



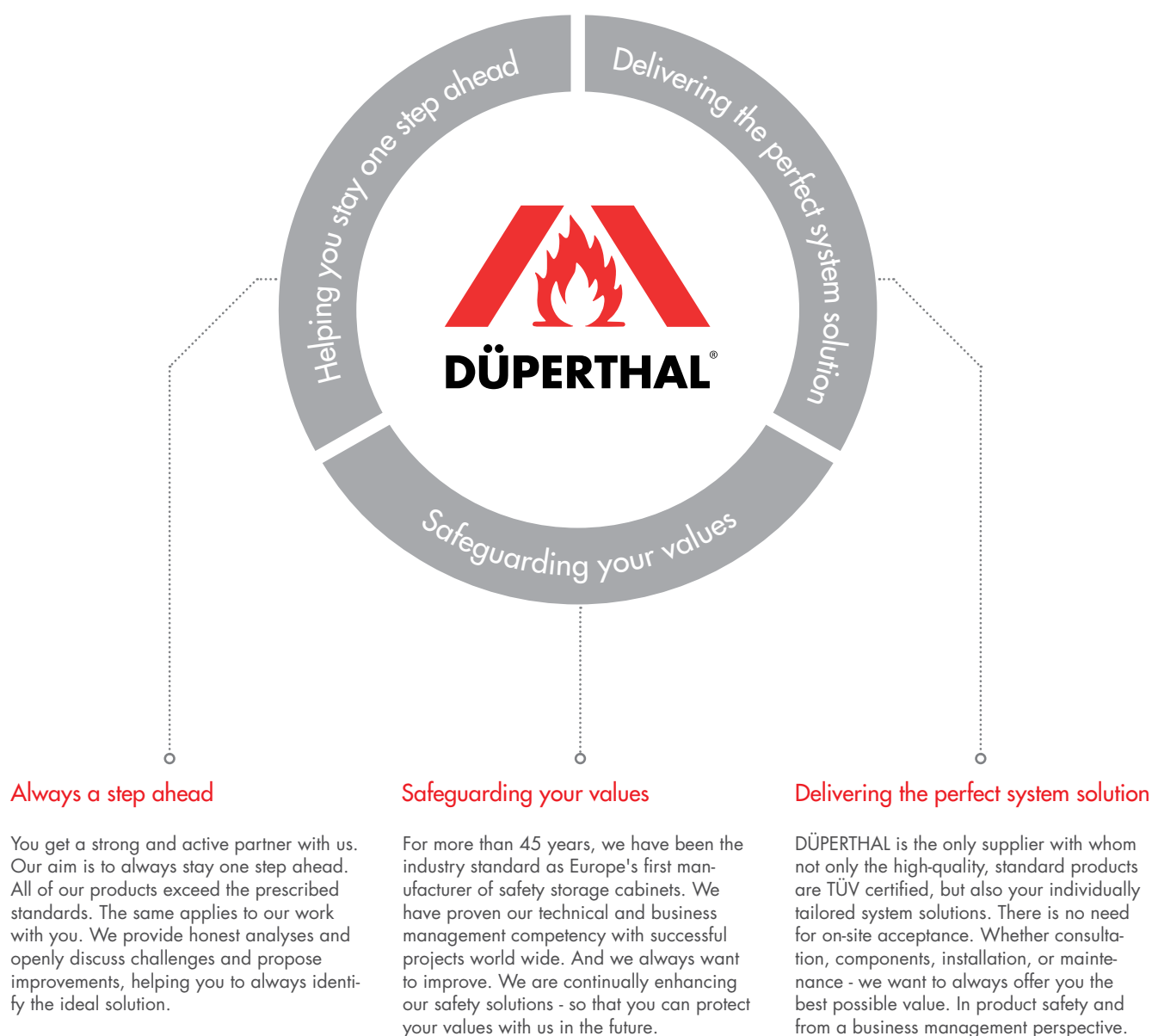
Safety Storage Cabinets Certified System Solutions

DÜPERTHAL – constant reassurance



Welcome to DÜPERTHAL

As a leading German quality and technology enterprise, we set the standards when it comes to designing system solutions for the process-optimised storage of chemicals and hazardous materials. All of our products and solutions are tailored specifically to meet your requirements. In addition to maximum safety, they offer the highest levels of effectiveness and efficiency – also in situations where there is no risk of fire. We are therefore providing you with constant reassurance. This is what we, as a family-run company, stand for. The original is what we stand for.





Constant development for your safety

We don't rest on our good reputation. Because we are aware that your work is constantly becoming more complex. That's why your demands on our safety solutions are increasing. In order to meet these requirements, we are continuously pushing ahead with further developing our products. We invest time, know-how and especially one thing: passion.

Did you know that ...

- » the name DÜPERTHAL stands for full service?
- » DÜPERTHAL markets more than just products?
- » MyDÜPERTHAL and the internet-enabled Cabi2Net brings smart technologies into the workplace?
- » the system solutions from DÜPERTHAL are more than just cabinets?
- » you profit economically and technologically from the wide range of solutions?

You can find detailed answers to these questions and further useful information on the following pages - compact, practical, and forward-looking!

Internet of Things - digital transformation is real

Innovative smart technologies such as networkable safety storage cabinets, the database MyDÜPERTHAL for all process-relevant cabinet information and the interactive Quick Scan feature with augmented reality function will support you even better with your processes - mobile and in real time. Learn more about this technological revolution from page 360.





Company and service overview 10

Our full-service promise.....	10
Reliable 90 minutes of protection in case of fire.....	16
High Quality safety storage cabinets for maximum fire protection.....	24
Tested safety - Made in Germany	26
Explosion and health protection.....	27
Future orientation and responsibility.....	28

1

Safety storage cabinets for storage 30

for flammable liquids – Type 90

1.1 CLASSIC line with wing doors	30
1.2 PREMIUM line with folding doors.....	66
1.3 COMFORT line with pneumatically controlled folding doors.....	88
1.4 COMPACT line for closed bulk containers up to 200 litres (52.83 gal)	98
1.5 UTS ergo line® and BENCH line for the under-bench.....	110

for combined storage or non-flammable media

1.6 HSC UTS ergo line® and hazardous substances centre	136
1.7 ACID line acids and lye cabinets.....	152
1.8 Environmental cabinets	166
1.9 Toxic substances cabinets.....	172

for flammable liquids – Type 30

1.10 BASIC line with wing doors.....	176
--------------------------------------	-----

2 Safety storage cabinets for supply and disposal 190

for flammable liquids – Type 90

2.1 TAP line – for supplies from containers	198
2.2 SUPPLY line – for supplies from drums	208
2.3 COMPLEX line – for filling and transferring	220
2.4 ACTCOM line – systems for supply and disposal	229
2.5 DISPOSAL line HPLC service station - for disposal	235
2.6 VisiCon® – waste collection system	257

3 Safety storage cabinets for pressurised gas cylinders 262

for inside storage of pressurised gas cylinders - Type G90

3.1 SUPREME line plus.....	270
----------------------------	-----

for inside storage of pressurised gas cylinders - Type G30

3.2 ECO line plus	281
-------------------------	-----

for outside storage of pressurised gas cylinders

3.3 Gas cylinder depots.....	291
3.4 Gas cylinder containers and boxes	292
3.5 Handling of gas cylinders	293

4 Safety storage cabinets for refrigerated storage 296

for refrigerated storage of flammable liquids – Type 90

4.1 COOL standard XL	301
4.2 COOL dual XL	309
4.3 COOL UTS ergo line®	317

5

Safety storage cabinets for clean rooms and batteries 324

for batteries – Type 90

5.1 BATTERY XL 327

5.2 COOL battery XL 336

for flammable liquids in clean rooms – Type 90

5.3 CLASSIC line pure 344

for non-flammable liquids in clean rooms

5.4 ACID line pure 352

6

Systems for process reliability 360

Networking for maximum safety

6. Cabi2Net, sensors, Smart Control and MyDÜPERTHAL 360

7

Ventilation of safety storage cabinets 380

7.1 Exhaust air systems 386

7.2 Filter systems 388

7.3 Ventilators 390

8

Safety containers and cleaning containers 392

8.1 for liquid hazardous substances 395

8.2 Safety funnels 406

8.3 for solid hazardous substances 408

8.4 Cleaning containers 409

8.5 Cleaning tanks 413

9

Storage equipment and accessories 414

- 9.1 Drum safety accessories 417
- 9.2 Pump systems 419
- 9.3 Drum transport and handling 421
- 9.4 Safety storage containers 422
- 9.5 Shelf systems for hazardous substances 424
- 9.6 Depots and collection trays 425
- 9.7 DÜANA tank filling 428

10

Absorbers and binders 430

- 10.1 Non-woven fabrics made of micro-fibres 433
- 10.2 Absorber emergency sets 434
- 10.3 Granulate binders 435

11

Emergency showers 436

- 11.1 Eye showers 439
- 11.2 Body showers 442
- 11.3 Combination showers 443

12

Safety ashtrays and waste paper baskets 444

- 12.1 Safety ashtrays and cigarette butt collectors 447
- 12.2 Self-extinguishing waste-paper baskets 450

i

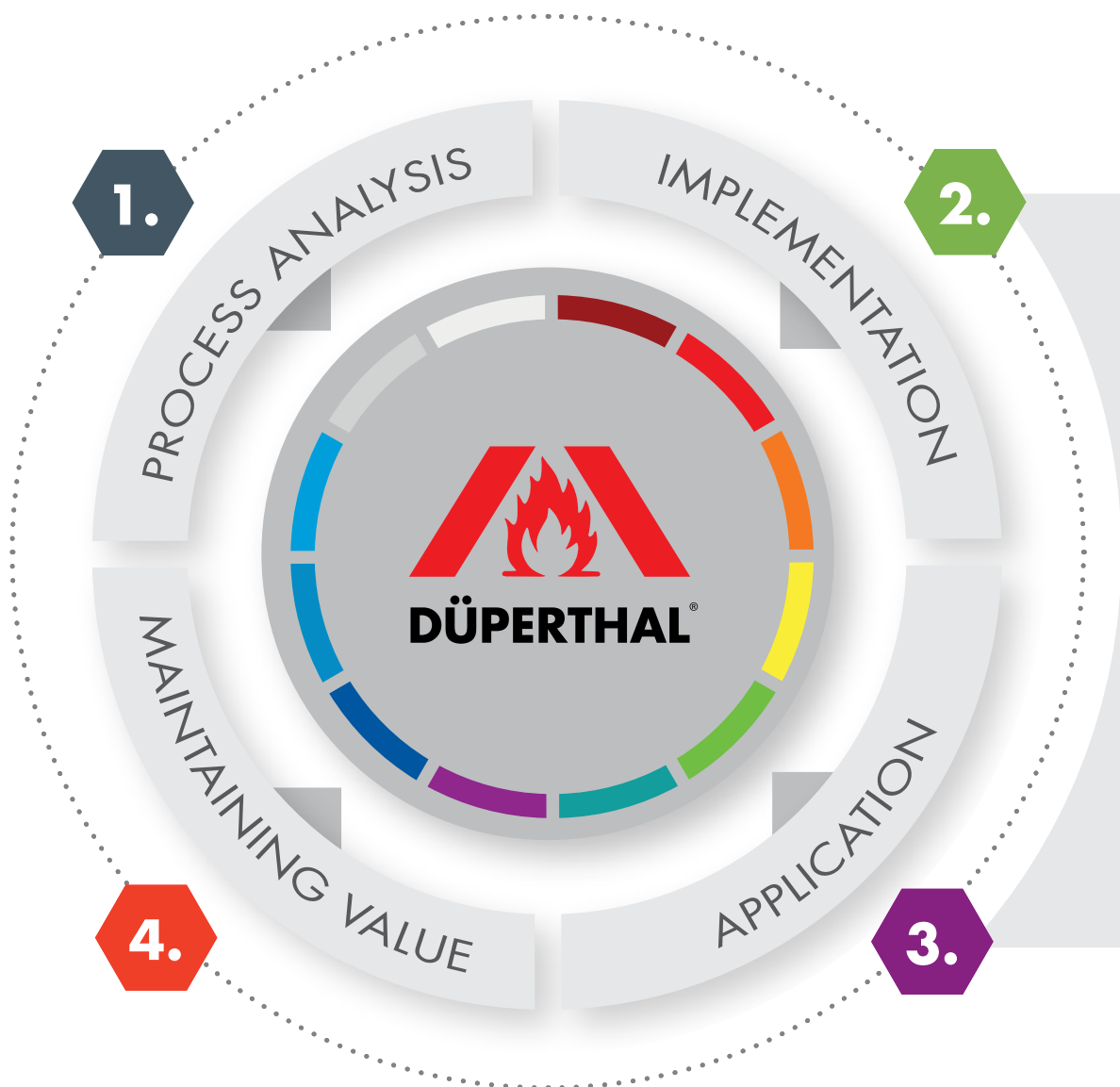
Additional information 452

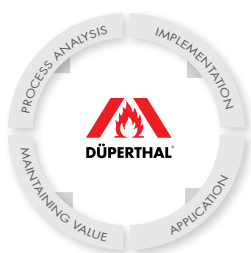
- Comfort service agreement - sample contract 452
- Checklist for shipping cabinets 454

From the process to realisation: We go with you

We offer products and service for every requirement

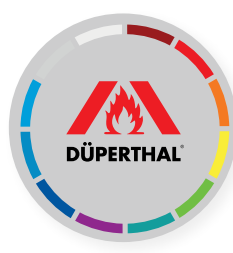
DÜPERTHAL offers system solutions for process-optimised storage of chemicals and hazardous substances for scientific research, development and production. Our goal is to always fulfil your individual requirements with customised solutions. This is why you can expect not only outstanding certified products from us, but also outstanding full service.





Services throughout the process

One of our central positioning features is the deep understanding of the processes of our customers. For more than 45 years, we have stood by you as an active companion and consultant: from the analysis of your individual requirements, to the planning and implementation of the optimal solution, through to permanent maintenance.



Innovative products for every situation

Our product portfolio for the storage, use and disposal of chemicals and hazardous substances is as diverse as the requirements for their handling. In addition to high-quality, certified safety storage cabinets, we offer a variety of fitting options and accompanying products for every need, however specific.



Technical **added advantages**

- » Safety storage cabinets and accompanying products for every application
- » More occupational safety and environmental protection through maximum fire protection.
- » Maximum comfort during use and operation

Economic **added advantages**

- » Optimisation of processes and work processes.
- » Continuous value retention
- » Excellent service throughout the process

 Video on
DÜPERTHAL



Tailored to your processes



Process analysis

Your problem is our challenge

Your processes should run optimally - in every respect. Our experts take a closer look at safety-relevant and profitability aspects. You are guaranteed the greatest possible flexibility in implementation. Because we have the right solution for every situation.



From process analysis to concept

Together with you on site, our experts will collect extensive data in an as-is analysis. Based on this information and your requirements, a target state is defined in a task folder.



Modular and tested system solutions

We use the full range of DÜPERTHAL's standard technologies and supplement them with modular and type-tested systems, adapted to your requirements.



Implementation

Safe and economical solutions

Not only do you get a technically perfect system from us, but we also make sure that you have to put in as little effort as possible. We deliver our products directly to the site and take over the implementation. Full service is our principle.



Shipment and delivery

Safety for us starts with the delivery of the product. The specialist carrier appointed by us works according to a detailed checklist and therefore ensures that our products are professionally transported to and installed in their final place of use - delivery just-in-time and just-in-place.



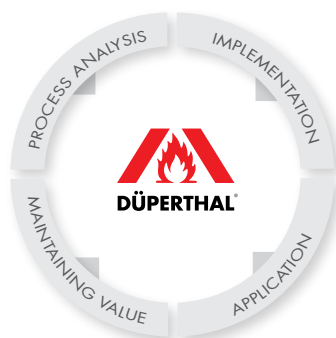
Project support on site

The professional handling of complex projects requires more than just delivering safety storage cabinets. DÜPERTHAL therefore provides comprehensive support for your national and international projects with planning, delivery service, construction site support and training of the lab managers and users.



Installation, implementation and final acceptance

Our team of specialists ensures a smooth and optimal assembly process on site. After complete installation of all components, the commissioning and joint final acceptance will be carried out with you.



3.

Application

Optimal integration – safe and economical solutions

We work conscientiously to optimise your process flows sustainably. This means that we attach great importance to documentation and training. In addition, the latest technology is used for evaluations. In this way, we integrate our products ideally into your existing structures.



Documentation

A detailed operations manual is supplied with each product, especially for complex projects. This already includes the CE certificate of conformity and the type certificate for the patented system solutions tested by independent third parties.



Training and risk assessment

In order that you are sure that our components can be used professionally and can be operated without any risk, we will be happy to train the responsible persons directly on the spot. The points treated can be included in your risk assessment.



Evaluation

With the Internet-capable Cabi2Net, all relevant operating parameters of the safety storage cabinets can be constantly monitored and evaluated. The query can be sent simply from a mobile phone, tablet or PC. This also safeguards your processes and helps you to make the internal value chain even more efficient.

4.

Maintaining value

Product life cycle - maximum safety

To ensure the functionality and safety of your system solution in the long term, we recommend an annual inspection. Our service agreement guarantees you maintenance and spare parts long after installation and commissioning.



Occupational safety and health OSHA / EU-OSHA

When dealing with hazardous substances, the highest priority is the protection of employees and the environment. Therefore, DÜPERTHAL safety storage cabinets guarantee compliance with the requirements of the Occupational Safety and Health Administration (OSHA and EU-OSHA). We will clarify all relevant topics and train you in the safe handling of our products

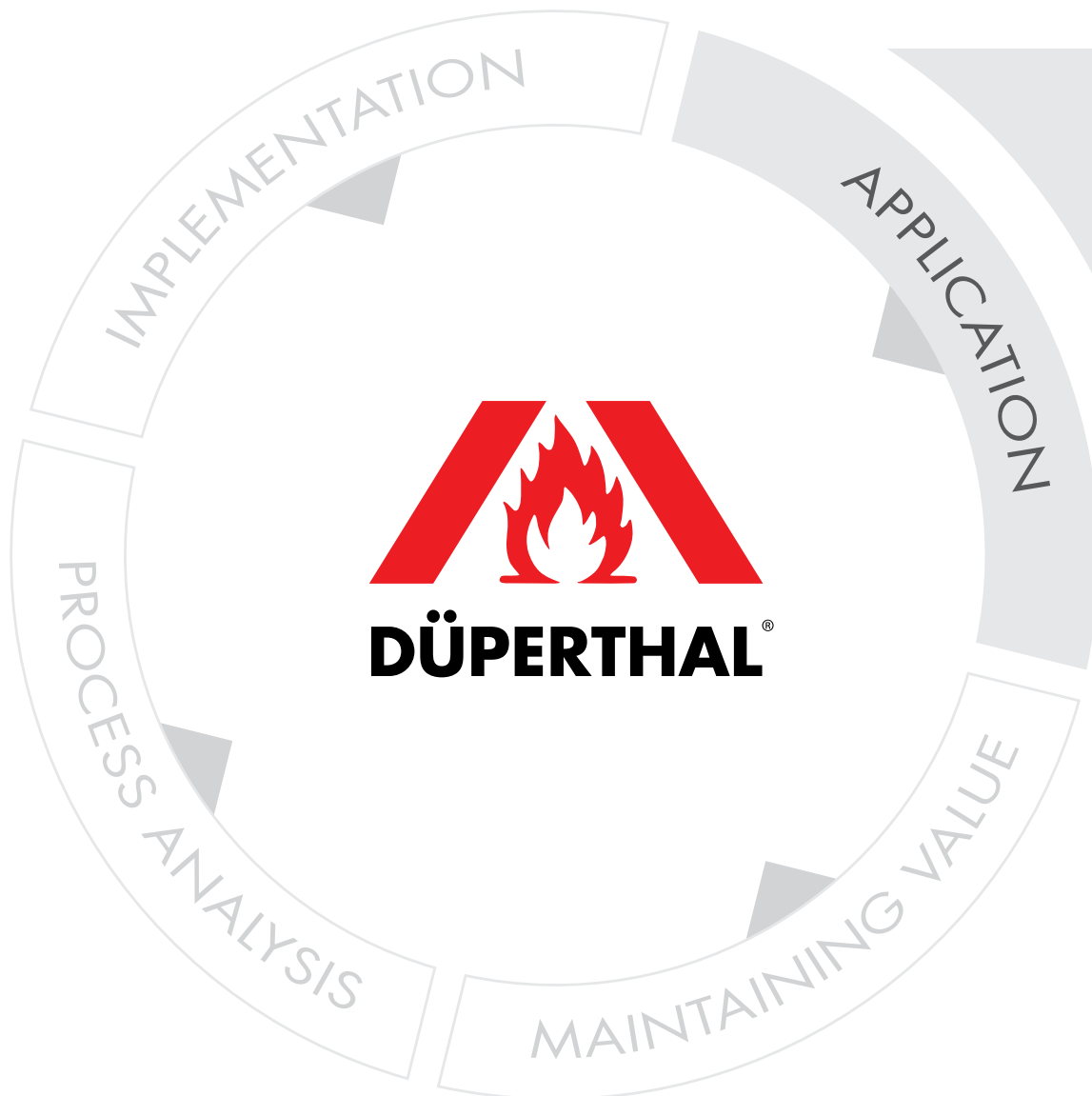


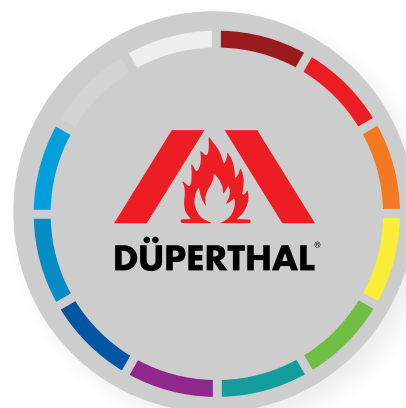
Permanent service agreement with regular maintenance and service

Highly complex processes rely on robust structures. With our service agreement, we can safeguard our reliable system solutions even better in your interest. The annual maintenance also extends the manufacturer's guarantee. A double benefit for you - in terms of safety and profitability.

Your Challenge – Our Solution

The handling of hazardous substances is subject to stringent regulations – for good reason. DÜPERTHAL can help you to meet all the relevant requirements whilst at the same time optimising your work processes. Based on the analysis of the actual status and the jointly defined objective, you receive an individually tailored and modular system solution from us. Thanks to our varied product range, you can design your laboratory and workplace flexibly and as needed.





1. Storage

Safely storing hazardous substances

We offer a wide range of products for the safe storage of sensitive hazardous goods. Up to 90 minutes of protection in case of fire ensures maximum safety.



2. Use

Using products ergonomically

In addition to a large range of standard solutions, we have tailor-made solutions that integrate seamlessly into your workflows and optimise them.



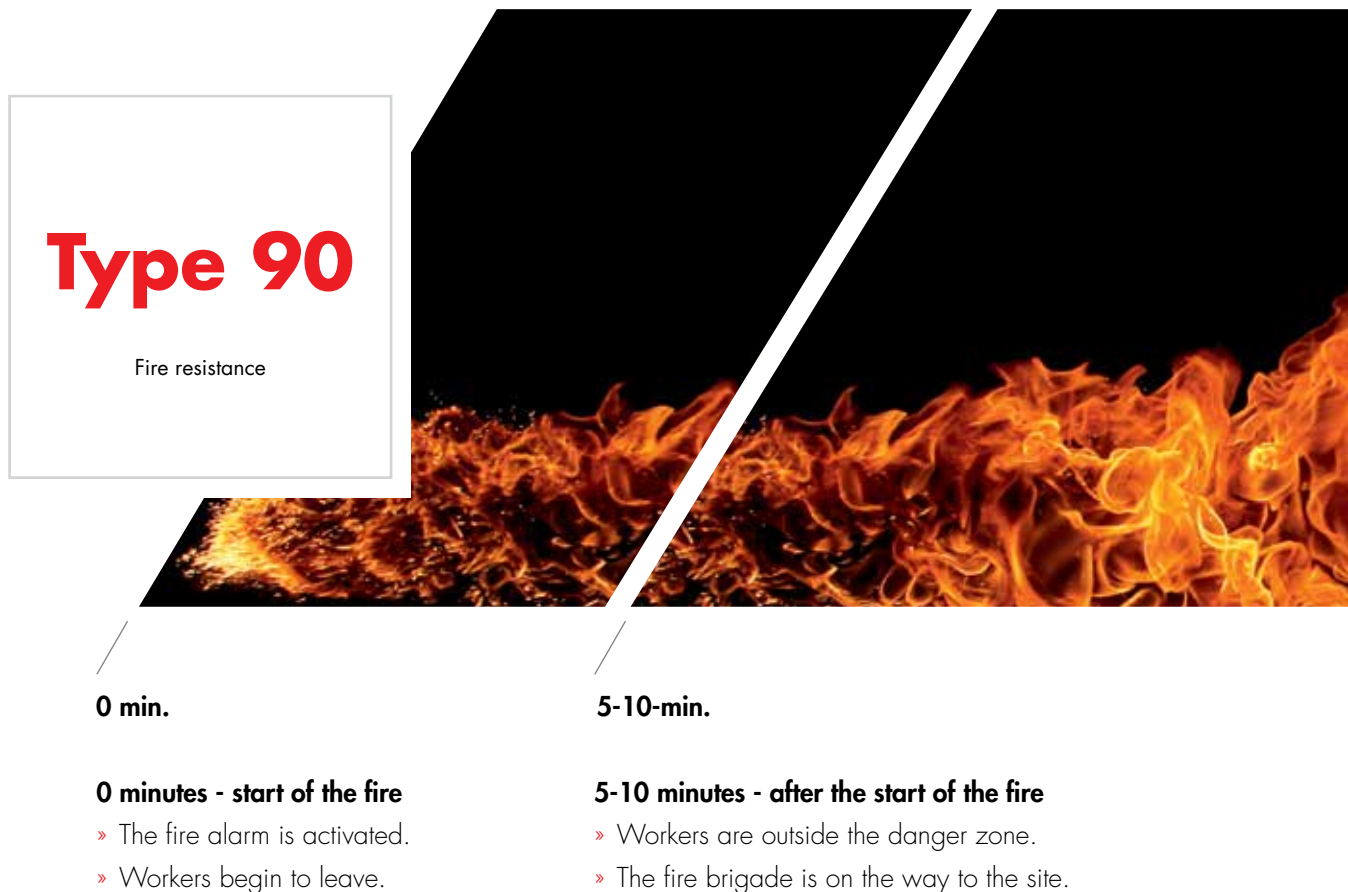
3. Disposal

Disposing of materials in an environmentally sound manner

There are strict regulations for the disposal of dangerous goods. We provide a wide range of products and components for safe implementation in compliance with regulations.

90 minutes – Course of events and timetable of a fire

In the event of a fire, the 90 minutes of tested fire protection is the decisive factor in protecting people and minimising damage to property. DÜPERTHAL safety storage cabinets of fire resistance rating Type 90 allow sufficient time for workers to leave the room in the event of a fire and allow the fire brigade sufficient time to get into the laboratory. Just before a smaller extinguishable fire from stored flammable substances causes an uncontrollable fire.



The test of the cabinet under fire conditions is part of the standard. Each cabinet model is type-tested in a fire chamber in accordance with DIN EN 14470-1. The test parameters and test temperatures in the fire chamber and directly in the cabinet are specified in the standard, and further details are provided on the following pages.



10-15 min.

90 min.

10-15 minutes - after the start of the fire

- » The fire brigade is at the source of the fire.

After 10 minutes of burn time

- » Safety storage cabinets with a fire resistance of 10 minutes are now losing their function.
- » The flammable substances are no longer safe.
- » The fire brigade must fight the fire at a considerably increased risk.
- » Heavy damage is to be expected.



Your benefits with the 90-minute technology

- » Safety storage cabinets Type 90 retain their function for 90 minutes.
- » The hazardous substances are stored safely for at least 90 minutes.
- » The fire brigade has considerably more time to extinguish the fire safely.
- » Reduction of the fire load and minimisation of damage.

Fire chamber test according to DIN EN 14470-1

The fire resistance rating of safety storage cabinets in accordance with DIN EN 14470-1 is determined by the rise of temperature of the cabinet interior inside of a fire chamber according to the temperature-time curve in accordance with DIN EN 1363-1. Starting from an initial temperature of 20 ± 5 °C and after the time until the temperature in the cabinet interior increases to 180 °C maximum, the cabinet is then classified as Type 15, 30, 60 or 90 (analogous to time in minutes). Safety storage cabinets for pressurised gas cylinders are subjected to a comparable test in accordance with DIN EN 14470-2, details on this are provided on page 264.



Your economic advantage

Example calculation:
(average values)

Cost of purchasing a
safety storage cabinet
tested fire resistance

Profitability/Costs


US standards European standard
FM/UL, NFPA 30 DIN EN 14470-1

€ 1,000
10 minutes

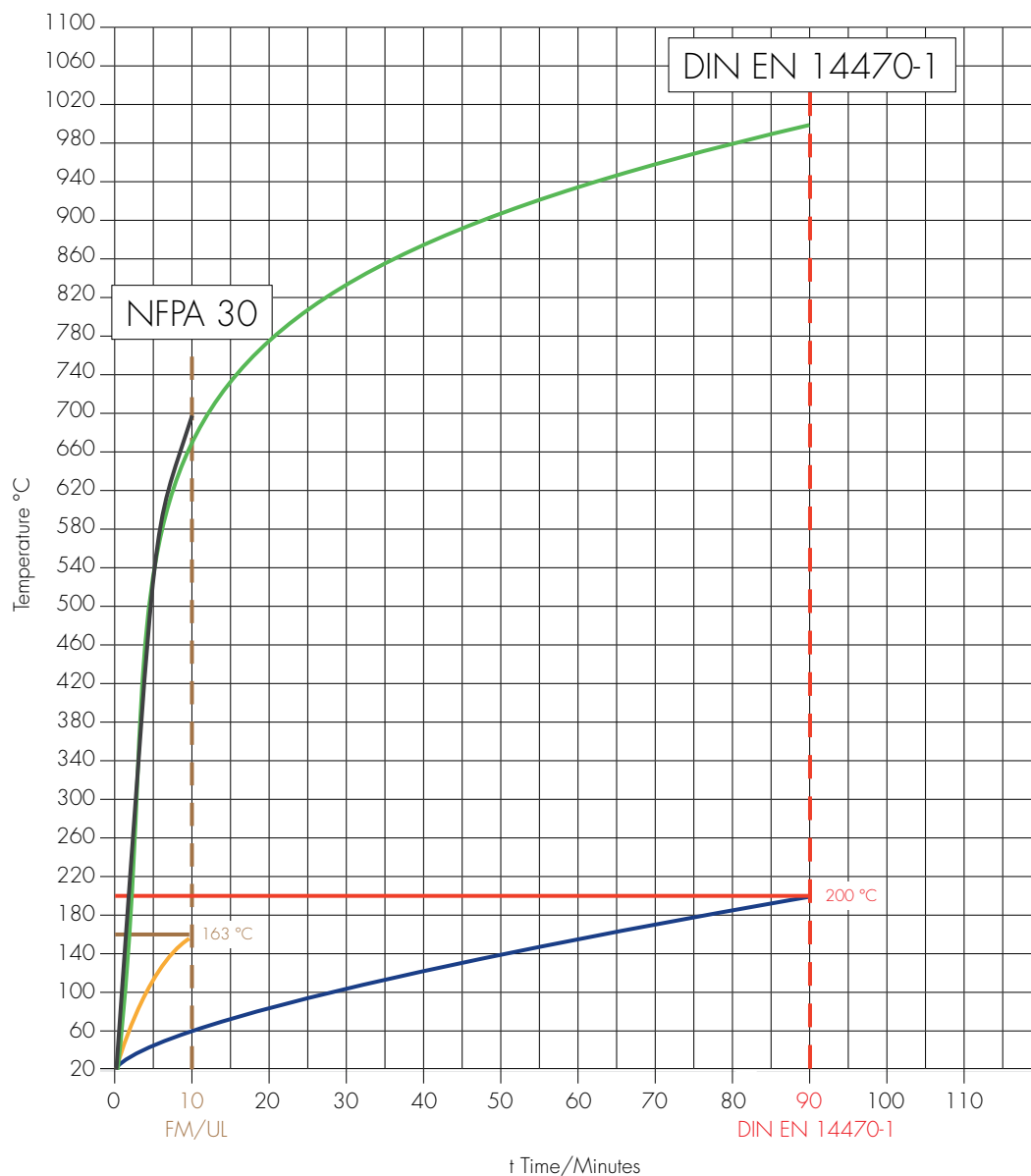
100 € per min.

€ 2,430
90 minutes

27 € per min.

 Video of an
extreme test





Fire and explosion-proof safety storage cabinets Type 90 by DÜPERTHAL offer a reliable fire resistance of 90 minutes in accordance with DIN EN 14470-1.

US standards according to FM/UL, NFPA 30

- Maximum allowed temperature in the cabinet in acc. with FM/UL = 163 °C (325 °F).
- Temperature profile in accordance with NFPA 251 in the open fire chamber.
- Example of the rising temperature in an FM/UL cabinet during the fire test, monitored with 1 thermometer.

European standard DIN EN 14470-1.

- Maximum allowed temperature in the cabinet in acc. with DIN EN 14470-1 = 200 °C (392 °F).
- Temperature profile in accordance with DIN EN 1363-1 in the closed fire chamber.
- Example of the rising temperature in a Type 90 cabinet during the fire test, monitored with 11 thermometers.

Fire resistance class – Type 90:

90 minutes of safety thanks to special construction

Utmost care is essential in the handling of hazardous substances. Our technology with maximum fire resistance helps you to achieve this. Thus, thanks to their special construction, our safety storage cabinets guarantee fire resistance of 90 minutes, type-tested according to DIN EN 14470-1.



Type 90

Fire resistance

Construction:

- » The doors and the outer carcass are made of powder-coated sheet steel.
- » The inner carcass and the inside of the doors are made of high-quality decor panels.
- » There is a special insulation between the inner and outer carcasses, so that the heat cannot penetrate into the cabinet interior in case of fire.
- » In case of fire, doors, drawers and ventilation openings for air supply and exhaust air are automatically closed and the door gaps as well as open joints are sealed by foam-forming gaskets.



Your benefits through DÜPERTHAL safety storage cabinets Type 90:

- » A chain reaction will be avoided in case of fire.
- » Workers, the fire brigade, and rescue services will be protected.
- » Maximum fire protection for buildings and systems.
- » Reduction of insurance contributions for fire protection is possible.
- » Financial security, e.g. by reducing the risk of default of production and buildings.
- » Fulfilment of the requirements of risk management in accordance with ISO 9000 and ISO 14001.
- » Use of high-quality safety storage cabinets conserves resources and strengthens the image of your company.

Test criteria, protection objectives and minimum requirements

The three essential requirements of a safety storage cabinet in accordance with DIN EN 14470-1 are the minimisation of the risk of fire, the minimisation of fumes released into the work environment, and the retention of possible leakages. The test requirements of the laboratory furniture standard DIN EN 14727 also ensure a minimum of quality.



DIN EN 14470-1
DIN EN 14727

Extracts from DIN EN 14470-1

Ventilation

- » To prevent an explosive atmosphere, the ventilation must be effective directly above the bottom tray.
- » Ventilation openings for air supply and exhaust air must self-close when the temperature reaches 70 °C (158 °F).

Interior fittings

- » The bottom tray for the restraint of possible leakages must still be functional even after the fire resistance test
- » The shelves must be made of non-absorbent material, bear the permissible load over the duration of the fire and be at most 1.75 m (5.74 ft) above the floor.

Door technology

- » Complete self-locking of the doors within a maximum of

20 seconds, optionally, an arrest system with temperature release at 50 °C (122 °F) is possible.

- » Closing force between the main closing and opposite closing edge of the door must not exceed 100 Newtons.
- » Each wing of the door must be operational with one hand.
- » If the doors are lockable, the locking device must not prevent self-closing in case of fire.

Fire chamber test

- » Each cabinet model and size is type-tested in a fire chamber test in accordance with DIN EN 14470-1 Type 90.

Tested safety at a very high level including:



Extracts from DIN EN 14727

Static endurance test

- » Standing surfaces, e.g. storage shelves, are subject to a static load and impact tests and must not show any breakage or other damage.

Dynamic load test

- » All components that move mechanically such as pull-out shelves, drawers and doors are tested with 50,000 cycles each. After the tests, the doors must close exactly and snap into place.



Tested safety at a very high level including

- » Type-testing according to DIN EN 14470-1 by recognised test institutes (TÜV Süd, iBMB Braunschweig, ift Rosenheim).
- » TÜV-tested according to DIN EN 14727 (laboratory furniture standard).
- » Type 90 classification in accordance with DIN EN 14470-1.
- » GS/CE mark.
- » High Quality mark of approval for upper-level style, user-friendliness and increased lifetime.

High-quality safety storage cabinets with maximum fire protection



Your added advantage with DÜPERTHAL safety storage cabinets!

» Maximum fire protection for your safety

Maximum safety with Type 90 technology and automatic self-closing doors in case of fire.

» Upper-level style for your health

Ventilation in every cabinet level with visual inspection of the butterfly valves, with a continuous earthing concept as a standard.

» Increased lifetime for your investment

Continuous testing in accordance with DIN EN 14727, even 80,000 instead of 50,000 cycles in the dynamic load test.



1 Ventilation

Ventilation in **every cabinet level** and visual inspection of the venting cut-off flaps.

2 Earthing system

To prevent ignition hazards through earthing in accordance with TRGS 727, the bearing surfaces are conductively connected as a standard to the equipotential bonding saddles.

3 Automatic closing of the doors

In case of fire, a thermocouple automatically triggers the uninterrupted closing system via the non-wearing safety feature (functional principle similar to the air bag system).

4 Base

A setback base is the solution to ergonomic working and a safe position.

5 Lock arrangement

The ergonomic lock arrangement at handle level increases handling convenience.

6 Transport

Due to the base construction with removable base boards, the cabinet is accessible from all sides. As a result, simple transport, for example with a hand pallet truck, is possible.

Solved internally, confirmed externally and independently

For DÜPERTHAL, quality is the main focus. Proof of this is provided by the quality marks of approval awarded to each of our safety storage cabinets, in recognition of our comprehensive quality management system as per DIN EN ISO 9001. One basic condition here is that, apart from our own in-house inspections, production of the safety storage cabinets is continuously monitored by external accredited test institutes.



Tested safety - Made in Germany

Tested safety at the highest level including

- » Type-tested according to DIN EN 14470-1 as well as DIN EN 14470-2 by recognised test institutes (TÜV Süd, iBMB Braunschweig, ift Rosenheim).
- » TÜV testing according to DIN EN 14727 (laboratory furniture standard).
- » GS/CE mark.
- » High Quality mark of approval for upper-level style, user-friendliness and increased lifetime.



DÜPERTHAL Innovation –
sustainably protected technical
inventions based on well over
**50 national and international
patents!**

DIN EN



Explosion and health protection

In accordance with DIN EN 14470, safety storage cabinets must be provided with supply and exhaust air connection in order to prevent hazardous vapours escaping into the working area by means of a technical exhaust air system. In this case, the ventilation must be carried out to the open air in a safe place. Alternatively, ATEX-compliant (2014/34/EU) recirculating air filter systems have been tried and tested in practice in safety storage cabinets for solvents. In accordance with TRGS 510, safety storage cabinets without industrial ventilation must be earthed due to the increased danger potential.



» Exhaust air systems

» Filter systems



Your added advantage with industrial ventilation!

» Preventing an explosive atmosphere

A concentration dilution can already be achieved in the safety storage cabinet from a 10-fold air exchange per hour, so that an ex-zone around the cabinet is avoided. Please note that a lab bottle that has been opened once can already be a permanent source of emissions.

» Minimisation of health risks

With industrial ventilation, an increased risk of explosion as well as odour pollution can be

counteracted. In practice, it might be necessary to set a higher air exchange.

» Effectiveness / Functionality

The ventilation must be effective immediately above the bottom tray, since solvent vapours are often heavier than air. The laboratory directive also requires that the extraction is applied directly at the point of danger. Therefore, all DÜPERTHAL safety storage cabinets are equipped with ventilation at each cabinet level.

Our commitment to sustainable action

As an internationally operating family business with a company culture characterised by the community, we maintain clear values that characterise our daily thinking and action. In this way, we always have the big picture in mind in order to achieve satisfaction and success together with our customers and partners. This vision is committed to bringing the requirements of customers, the environment and society into harmony.





Economic aspects

The holistic view of the processes of our customers is deeply rooted in our corporate philosophy. This is how we create the basic conditions for optimised, safe and ergonomic work processes. Retaining the value of the products not only reduces costs. The increased lifetime of the safety storage cabinets also saves resources and saves energy for production.



Ecological aspects

DÜPERTHAL is committed to environmental protection and resource efficiency. We attach great importance to the commitment to use locally available raw materials. The short transport routes from suppliers in the surrounding area help to reduce emissions of harmful substances. At the same time, the use of recyclable materials relieves the environment during production.



Socio-cultural aspects

We promote and protect scientific research and development. With our products and services we increase safety in the workplace. We help our customers focus on the essentials - their work and the development of innovations that advance our society. Therefore, we do not limit ourselves to Germany. We document and certify our services in many countries and languages in order to implement our high standards on a comprehensive basis.

We continue the advancement of our company with the same diligence. For that is how we lay the the foundation stone for securing our future-oriented production sites and the preservation of valuable jobs in the region.

Passive storage of flammable liquids





1

Safety storage cabinets Type 90 for flammable liquids

Door technologies

1.1

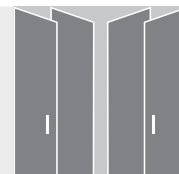
CLASSIC line



Type
90

1.2

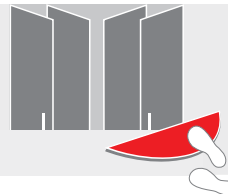
PREMIUM line



Type
90

1.3

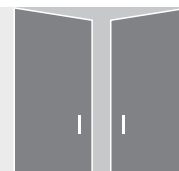
COMFORT line



Type
90

1.4

COMPACT line



Type
90

1.5

**UTS ergo line®
BENCH line**



Type
90

with **wing door technology**, interior fittings
bottom tray, optionally storage shelves
or pull-out shelves.



from page

36

with **folding door technology**, interior fittings
bottom tray, optionally storage shelves,
pull-out shelves or vario shelves.



66

with **folding door technology** and **pneumatic operation**
with foot pedal, interior fittings bottom tray,
optionally storage shelves or vario shelves.



88

with **wing door technology**, interior fittings
bottom tray with grating.



98

with **wing door technology**, interior fittings
optionally bottom tray or automatically extending
pull-out tray.



110

Safety storage cabinets for non-flammable media or combined storage

1.6

HSC line

Type
90

1.7

ACID line

**1.8
1.9**

**Environmental cabinet
Toxic substances cabinet**

1.10

BASIC line

Type
30

For the combined storage of acids, lye, toxins and flammable hazardous substances.



from page

136

For the storage of corrosive liquids
Interior fittings pull-out trays made of PE.



152

Environmental cabinet – for the storage of water-polluting substances.
Toxic substances cabinet – for the storage of toxic substances.



166

with **wing door technology**, interior fittings
bottom tray and shelves.



176

CLASSIC line 1.1



Safety storage cabinets with wing door technology



Your added advantage with the CLASSIC line!

» Health

Ventilation on each cabinet level provides optimised air exchange.

» Safety

In case of fire, a thermocouple automatically initiates the uninterrupted closing of the doors.

» Working safety

Equipotential bonding saddles as a standard on the cabinet help to prevent spark formation.

Your classical standard solution for the storage of hazardous substances: The CLASSIC line – highest level of fire protection and as practicable as you require.

1.1



1 Classical wing door technology

Easy-moving wing door technology is the correct solution for a multitude of possible applications.

2 One-hand wing door technology

The wing doors can be easily opened with minimum effort via a handle with a single operation.

3 Storage shelves

Storage shelves offer the largest storage capacity and ideal use of space due to their height adjustment at a pitch of 16 mm (0.63 inch).

4 Pull-out shelves

Containers can be safely stored with both hands due to the easy-moving pull-out shelves.

5 Double pull-out stop (patented)

A double pull-out stop prevents several pull-out shelves from being pulled out at the same time.

6 Self-closing in case of fire

The closure control system guarantees that in case of fire the pull-out shelves are retracted and only then are the doors closed.

CLASSIC line Type 90 at a glance

CLASSIC standard XL with storage shelves or storage shelves and centre partition wall

	Dimensions [mm] [inch]		
	Width	Depth	Height
CLASSIC standard XL 1-2	1194 47	612 24.1	2085 82.09



CLASSIC standard XL - V1



CLASSIC standard XL - V2

Max. volume of largest individual container [l]/[gal]	30/7.92	15/3.96
--------------------------------------------------------------	---------	---------

CLASSIC standard L, ML and M with storage shelves

	Dimensions [mm] [inch]		
	Width	Depth	Height
CLASSIC standard L	894 35.2	612 24.1	2085 82.09
CLASSIC standard ML	594 23.39	747 29.41	2085 82.09
CLASSIC standard M	594 23.39	612 24.1	2085 82.09



CLASSIC standard L



CLASSIC standard ML



CLASSIC standard M

Max. volume of largest individual container [l]/[gal]	20/5.28	15/3.96	10/2.64
--------------------------------------------------------------	---------	---------	---------

CLASSIC standard XS, SL and S with storage shelves

	Dimensions [mm] [inch]		
	Width	Depth	Height
CLASSIC standard XS	1194 47	612 24.1	1425 56.1
CLASSIC standard SL	594 23.39	747 29.41	1425 56.1
CLASSIC standard S	594 23.39	612 24.1	1425 56.1



CLASSIC standard XS



CLASSIC standard SL



CLASSIC standard S

Max. volume of largest individual container [l]/[gal]	30/7.93	15/3.96	10/2.64
--------------------------------------------------------------	---------	---------	---------

CLASSIC pro XL with pull-out shelves

	Dimensions [mm] [inch]		
	Width	Depth	Height
CLASSIC pro XL 1-4	1194 47	612 24.1	2085 82.09



CLASSIC pro XL - V1



CLASSIC pro XL - V2



CLASSIC pro XL - V3



CLASSIC pro XL - V4

Max. volume of largest individual container [l]/[gal]	30/7.93	30/7.93	30/7.93	30/7.93
--------------------------------------------------------------	---------	---------	---------	---------

CLASSIC pro XL with pull-out shelves and centre partition wall

Dimensions [mm] [inch]

	Width	Depth	Height
CLASSIC pro XL 5-8	1194 47	612 24.1	2085 82.09



CLASSIC pro
XL – V5



CLASSIC pro
XL – V6



CLASSIC pro
XL – V7



CLASSIC pro
XL – V8

Max. volume of largest individual container [l]/[gal]	10/2.64	10/2.64	10/2.64	10/2.64
--------------------------------------------------------------	---------	---------	---------	---------

1.1

CLASSIC pro L with pull-out shelves

Dimensions [mm] [inch]

	Width	Depth	Height
CLASSIC pro L 1-4	894 35.2	612 24.1	2085 82.09



CLASSIC pro
L – V1



CLASSIC pro
L – V2



CLASSIC pro
L – V3



CLASSIC pro
L – V4

Max. volume of largest individual container [l]/[gal]	20/5.28	20/5.28	20/5.28	20/5.28
--------------------------------------------------------------	---------	---------	---------	---------

CLASSIC pro ML with pull-out shelves

Dimensions [mm] [inch]

	Width	Depth	Height
CLASSIC pro ML 1-4	594 23.39	747 29.41	2085 82.09



CLASSIC pro
ML – V1



CLASSIC pro
ML – V2



CLASSIC pro
ML – V3



CLASSIC pro
ML – V4

Max. volume of largest individual container [l]/[gal]	15/3.96	15/3.96	15/3.96	15/3.96
--------------------------------------------------------------	---------	---------	---------	---------

CLASSIC pro M with pull-out shelves

Dimensions [mm] [inch]

	Width	Depth	Height
CLASSIC pro M 1-4	594 23.39	612 24.1	2085 82.09



CLASSIC pro
M – V1



CLASSIC pro
M – V2



CLASSIC pro
M – V3



CLASSIC pro
M – V4

Max. volume of largest individual container [l]/[gal]	10/2.64	10/2.64	10/2.64	10/2.64
--------------------------------------------------------------	---------	---------	---------	---------

CLASSIC standard – Type 90

Your classical standard solution for the storage of hazardous substances: The CLASSIC line standard – highest level of fire protection and as practicable as you require.



CLASSIC standard XL



CLASSIC standard L



CLASSIC standard M



CLASSIC standard S



CLASSIC pro – Type 90

The cabinets of the CLASSIC line pro offer an optimum level of comfort for the storage of flammable chemicals with 90 minutes of fire protection. Discover the versatility offered by CLASSIC pro cabinets.

1.1



CLASSIC pro XL – V1



CLASSIC pro L – V3



CLASSIC pro M – V1

Interior fittings:

- » Storage shelves, pull-out shelves and bottom tray, optionally made of powder-coated sheet steel or stainless steel.

Construction:

- » Wing doors, powder-coated sheet steel.
- » The doors are generally right-hinged for one-door cabinets. A left-hung door can be delivered at no extra charge.
- » Outer carcass, powder-coated sheet steel.
- » Inner carcass made of high-quality decor panels.

Colour standard version:

- » Wing doors in zinc yellow RAL 1018.
- » Carcass completely in light grey RAL 7035.
- » Individual colours possible.
- » Base in slate grey RAL 7015.

Golden yellow
RAL 1004

Light grey
RAL 7035

Zinc yellow
RAL 1018

Pure white
RAL 9010

Ordering information



Ref. no.

with classical wing door technology
with one-hand wing door technology

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[400 ml/11 oz] [1.0 l/0.26 gal] [1.0 l/0.26 gal] [2.5 l/0.66 gal]
------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings	Material
Interior fittings	Stainless steel
Storage shelf	Sheet steel
Storage shelf	Stainless steel
Insert for storage shelf	PP
Anti-slip mat	Rubber
Locker (door hung left)	
Locker (door hung right)	

CLASSIC standard XL - V1

with storage shelves

29-201267-030

29-201265-030

4 storage shelves, 1 bottom tray
and base

1194 x 612 x 2085
47 x 24.1 x 82.09

1098 x 469 x 1700
43.23 x 18.46 x 66.93

455
1003.1

105 spray cans
38 cans
45 glass lab bottles
19 glass lab bottles

CLASSIC standard XL - V2

with storage shelves
and centre partition wall

29-201267-032

29-201265-032

2x 4 storage shelves, 2 bottom trays,
centre partition wall and base

1194 x 612 x 2085
47 x 24.1 x 82.09

1098 x 469 x 1700
43.23 x 18.46 x 66.93

465
1025.15

53 spray cans
19 cans
23 glass lab bottles
9 glass lab bottles

29-51267-260

29-51267-013

29-51267-213

29-51267-323

29-51267-533

29-50000-036L

29-50000-036

29-51267-262

29-51267-015

29-51267-215

29-51267-325

29-51267-535

29-50000-036L

29-50000-036

Other accessories on page 58. Other technical details and dimensions from page 60 onwards.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



1.1

CLASSIC standard L	CLASSIC standard ML	CLASSIC standard M
with storage shelves	with storage shelves Special depth 747 mm/29.41 inch	with storage shelves
29-200967-030	29-200677-030	29-200667-030
29-200965-030	–	–
4 storage shelves, 1 bottom tray and base	4 storage shelves, 1 bottom tray and base	4 storage shelves, 1 bottom tray and base
894 x 612 x 2085 35.2 x 24.1 x 82.09	594 x 747 x 2085 23.39 x 29.41 x 82.09	594 x 612 x 2085 23.39 x 24.1 x 82.09
798 x 469 x 1700 31.42 x 18.46 x 66.93	498 x 604 x 1700 19.61 x 23.78 x 66.93	498 x 469 x 1700 19.61 x 18.46 x 66.93
365 804.69	325 716.5	265 584.22
77 spray cans 28 cans 34 glass lab bottles 14 glass lab bottles	57 spray cans 20 cans 25 glass lab bottles 10 glass lab bottles	45 spray cans 16 cans 20 glass lab bottles 8 glass lab bottles
29-50967-260	29-50677-260	29-50667-260
29-50967-013	29-50677-013	29-50667-013
29-50967-213	29-50677-213	29-50667-213
29-50967-323	29-50677-323	29-50667-323
29-50967-533	29-50677-533	29-50667-533
29-50000-036L	29-50000-036L	29-50000-036L
29-50000-036	29-50000-036	29-50000-036

Ordering information



Ref. no.

with classical wing door technology
with one-hand wing door technology

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[400 ml/11 oz] [1.0 l/0.26 gal] [1.0 l/0.26 gal] [2.5 l/0.66 gal]
------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings	Material
Interior fittings	Stainless steel
Storage shelf	Sheet steel
Storage shelf	Stainless steel
Insert for storage shelf	PP
Anti-slip mat	Rubber
Locker (door hung left)	
Locker (door hung right)	

CLASSIC standard XS

with storage shelves

29-131267-030

29-131265-030

2 storage shelves, 1 bottom tray
and base

1194 x 612 x 1425
47 x 24.1 x 56.1

1098 x 469 x 1040
43.23 x 18.46 x 40.94

380
837.76

105 spray cans
38 cans
45 glass lab bottles
19 glass lab bottles

CLASSIC standard SL

with storage shelves
Special depth 747 mm/29.41 inch

29-130677-030

–

2 storage shelves, 1 bottom tray
and base

594 x 747 x 1425
23.39 x 29.41 x 56.1

498 x 604 x 1040
19.61 x 23.78 x 40.94

225
496.04

75 spray cans
20 cans
25 glass lab bottles
10 glass lab bottles

29-51267-261

29-51267-013

29-51267-213

29-51267-323

29-51267-533

29-50000-036L

29-50000-036

29-50677-261

29-50677-013

29-50677-213

29-50677-323

29-50677-533

29-50000-036L

29-50000-036

Other accessories on page 58. Other technical details and dimensions from page 60 onwards.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



1.1

CLASSIC standard S

with storage shelves

29-130667-030

–

2 storage shelves, 1 bottom tray
and base

594 x 612 x 1425
23.39 x 24.1 x 56.1

498 x 469 x 1040
19.61 x 18.46 x 40.94

195
429.9

45 spray cans
16 cans
20 glass lab bottles
8 glass lab bottles

29-50667-261

29-50667-013

29-50667-213

29-50667-323

29-50667-533

29-50000-036L

29-50000-036

Ordering information



Ref. no.

with classical wing door technology
with one-hand wing door technology

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[400 ml/11 oz] [1.0 l/0.26 gal] [1.0 l/0.26 gal] [2.5 l/0.66 gal]
------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings	Material
Interior fittings	Stainless steel
Tray insert	PP
Label holder	
Anti-slip mat for pull-out shelf	Rubber
Locker (door hung left)	
Locker (door hung right)	

CLASSIC pro XL - V1

with pull-out shelves

29-201267-053

29-201265-053

6 pull-out shelves, 1 bottom tray
and base

1194 x 612 x 2085
47 x 24.1 x 82.09

979 x 469 x 1700
38.54 x 18.46 x 66.93

465
1025.15

77 spray cans
29 cans
35 glass lab bottles
14 glass lab bottles

CLASSIC pro XL - V2

with pull-out shelves

29-201267-052

29-201265-052

5 pull-out shelves, 1 bottom tray
and base

1194 x 612 x 2085
47 x 24.1 x 82.09

979 x 469 x 1700
38.54 x 18.46 x 66.93

465
1025.15

77 spray cans
29 cans
35 glass lab bottles
14 glass lab bottles

29-51267-273

29-51267-327

29-50000-001

29-51267-537

29-50000-037L

29-50000-037

29-51267-272

29-51267-327

29-50000-001

29-51267-537

29-50000-037L

29-50000-037

Other accessories on page 58. Other technical details and dimensions from page 60 onwards.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



1.1

CLASSIC pro XL - V3

with pull-out shelves

29-201267-051

29-201265-051

4 pull-out shelves, 1 bottom tray
and base

1194 x 612 x 2085
47 x 24.1 x 82.09

979 x 469 x 1700
38.54 x 18.46 x 66.93

465
1025.15

77 spray cans
29 cans
35 glass lab bottles
14 glass lab bottles

CLASSIC pro XL - V4

with pull-out shelves

29-201267-050

29-201265-050

3 pull-out shelves, 1 bottom tray
and base

1194 x 612 x 2085
47 x 24.1 x 82.09

979 x 469 x 1700
38.54 x 18.46 x 66.93

465
1025.15

77 spray cans
29 cans
35 glass lab bottles
14 glass lab bottles

29-51267-271

29-51267-327

29-50000-001

29-51267-537

29-50000-037L

29-50000-037

29-51267-270

29-51267-327

29-50000-001

29-51267-537

29-50000-037L

29-50000-037

Ordering information



Ref. no.

with classical wing door technology
with one-hand wing door technology

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[400 ml/11 oz] [1.0 l/0.26 gal] [1.0 l/0.26 gal] [2.5 l/0.66 gal]
------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings	Material
Interior fittings	Stainless steel
Tray insert	PP
Label holder	
Anti-slip mat for pull-out shelf	Rubber
Locker (door hung left)	
Locker (door hung right)	

CLASSIC pro XL - V5

with pull-out shelves and centre partition wall

29-201267-059

29-201265-059

2x 6 pull-out shelves, 2 bottom trays,
centre partition wall and base

1194 x 612 x 2085
47 x 24.1 x 82.09

979 x 469 x 1700
38.54 x 18.46 x 66.93

485
1069.24

37 spray cans
13 cans
16 glass lab bottles
6 glass lab bottles

CLASSIC pro XL - V6

with pull-out shelves and centre partition wall

29-201267-058

29-201265-058

2x 5 pull-out shelves, 2 bottom trays,
centre partition wall and base

1194 x 612 x 2085
47 x 24.1 x 82.09

979 x 469 x 1700
38.54 x 18.46 x 66.93

485
1069.24

37 spray cans
13 cans
16 glass lab bottles
6 glass lab bottles

29-51267-279

29-51267-329

29-50000-001

29-51267-539

29-50000-037L

29-50000-037

29-51267-278

29-51267-329

29-50000-001

29-51267-539

29-50000-037L

29-50000-037

Other accessories on page 58. Other technical details and dimensions from page 60 onwards.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



1.1

CLASSIC pro XL - V7

with pull-out shelves and centre partition wall

29-201267-057

29-201265-057

2x 4 pull-out shelves, 2 bottom trays,
centre partition wall and base

1194 x 612 x 2085
47 x 24.1 x 82.09

979 x 469 x 1700
38.54 x 18.46 x 66.93

485
1069.24

37 spray cans
13 cans
15 glass lab bottles
6 glass lab bottles

CLASSIC pro XL - V8

with pull-out shelves and centre partition wall

29-201267-056

29-201265-056

2x 3 pull-out shelves, 2 bottom trays,
centre partition wall and base

1194 x 612 x 2085
47 x 24.1 x 82.09

979 x 469 x 1700
38.54 x 18.46 x 66.93

485
1069.24

37 spray cans
13 cans
15 glass lab bottles
6 glass lab bottles

29-51267-277

29-51267-329

29-50000-001

29-51267-539

29-50000-037L

29-50000-037

29-51267-276

29-51267-329

29-50000-001

29-51267-539

29-50000-037L

29-50000-037

Ordering information



Ref. no.

with classical wing door technology
with one-hand wing door technology

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[400 ml/11 oz] [1.0 l/0.26 gal] [1.0 l/0.26 gal] [2.5 l/0.66 gal]
------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings	Material
Interior fittings	Stainless steel
Tray insert	PP
Label holder	
Anti-slip mat for pull-out shelf	Rubber
Locker (door hung left)	
Locker (door hung right)	

CLASSIC pro L - V1

with pull-out shelves

29-200967-053

29-200965-053

6 pull-out shelves, 1 bottom tray
and base

894 x 612 x 2085
35.2 x 24.1 x 82.09

679 x 469 x 1700
26.73 x 18.46 x 66.93

365
804.69

63 spray cans
22 cans
27 glass lab bottles
10 glass lab bottles

CLASSIC pro L - V2

with pull-out shelves

29-200967-052

29-200965-052

5 pull-out shelves, 1 bottom tray
and base

894 x 612 x 2085
35.2 x 24.1 x 82.09

679 x 469 x 1700
26.73 x 18.46 x 66.93

365
804.69

63 spray cans
22 cans
27 glass lab bottles
10 glass lab bottles

29-50967-273

29-50967-327

29-50000-001

29-50967-537

29-50000-037L

29-50000-037

29-50967-272

29-50967-327

29-50000-001

29-50967-537

29-50000-037L

29-50000-037

Other accessories on page 58. Other technical details and dimensions from page 60 onwards.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



1.1

CLASSIC pro L - V3

with pull-out shelves

29-200967-051

29-200965-051

4 pull-out shelves, 1 bottom tray
and base

894 x 612 x 2085
35.2 x 24.1 x 82.09

679 x 469 x 1700
26.73 x 18.46 x 66.93

365
804.69

63 spray cans
22 cans
27 glass lab bottles
10 glass lab bottles

CLASSIC pro L - V4

with pull-out shelves

29-200967-050

29-200965-050

3 pull-out shelves, 1 bottom tray
and base

894 x 612 x 2085
35.2 x 24.1 x 82.09

679 x 469 x 1700
26.73 x 18.46 x 66.93

365
804.69

63 spray cans
22 cans
27 glass lab bottles
10 glass lab bottles

29-50967-271

29-50967-327

29-50000-001

29-50967-537

29-50000-037L

29-50000-037

29-50967-270

29-50967-327

29-50000-001

29-50967-537

29-50000-037L

29-50000-037

Ordering information



Ref. no.

with classical wing door technology

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[400 ml/11 oz] [1.0 l/0.26 gal] [1.0 l/0.26 gal] [2.5 l/0.66 gal]
------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings	Material
Interior fittings	Stainless steel
Tray insert	PP
Label holder	
Anti-slip mat for pull-out shelf	Rubber
Locker (door hung left)	
Locker (door hung right)	

CLASSIC pro ML - V1

with pull-out shelves
Special depth 747 mm/29.41 inch

29-200677-053

6 pull-out shelves, 1 bottom tray
and base

594 x 747 x 2085
23.39 x 29.41 x 82.09

379 x 604 x 1700
14.92 x 23.78 x 66.93

335
738.55

50 spray cans
15 cans
19 glass lab bottles
7 glass lab bottles

CLASSIC pro ML - V2

with pull-out shelves
Special depth 747 mm/29.41 inch

29-200677-052

5 pull-out shelves, 1 bottom tray
and base

594 x 747 x 2085
23.39 x 29.41 x 82.09

379 x 604 x 1700
14.92 x 23.78 x 66.93

335
738.55

50 spray cans
15 cans
19 glass lab bottles
7 glass lab bottles

Other accessories on page 58. Other technical details and dimensions from page 60 onwards.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



1.1

CLASSIC pro ML - V3	CLASSIC pro ML - V4
with pull-out shelves Special depth 747 mm/29.41 inch	with pull-out shelves Special depth 747 mm/29.41 inch
29-200677-051	29-200677-050
4 pull-out shelves, 1 bottom tray and base	3 pull-out shelves, 1 bottom tray and base
594 x 747 x 2085 23.39 x 29.41 x 82.09	594 x 747 x 2085 23.39 x 29.41 x 82.09
379 x 604 x 1700 14.92 x 23.78 x 66.93	379 x 604 x 1700 14.92 x 23.78 x 66.93
335 738.55	335 738.55
50 spray cans 15 cans 19 glass lab bottles 7 glass lab bottles	50 spray cans 15 cans 19 glass lab bottles 7 glass lab bottles
29-50677-271	29-50677-270
29-50677-327	29-50677-327
29-50000-001	29-50000-001
29-50677-537	29-50677-537
29-50000-037L	29-50000-037L
29-50000-037	29-50000-037

Ordering information



Ref. no.

with classical wing door technology

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[400 ml/11 oz] [1.0 l/0.26 gal] [1.0 l/0.26 gal] [2.5 l/0.66 gal]
------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings	Material
Interior fittings	Stainless steel
Tray insert	PP
Label holder	
Anti-slip mat for pull-out shelf	Rubber
Locker (door hung left)	
Locker (door hung right)	

CLASSIC pro M - V1

with pull-out shelves

29-200667-053

6 pull-out shelves, 1 bottom tray
and base

594 x 612 x 2085
23.39 x 24.1 x 82.09

379 x 469 x 1700
14.92 x 18.46 x 66.93

275
606.27

46 spray cans
16 cans
20 glass lab bottles
8 glass lab bottles

CLASSIC pro M - V2

with pull-out shelves

29-200667-052

5 pull-out shelves, 1 bottom tray
and base

594 x 612 x 2085
23.39 x 24.1 x 82.09

379 x 469 x 1700
14.92 x 18.46 x 66.93

275
606.27

46 spray cans
16 cans
20 glass lab bottles
8 glass lab bottles

29-50667-273

29-50667-327

29-50000-001

29-50667-537

29-50000-037L

29-50000-037

29-50667-272

29-50667-327

29-50000-001

29-50667-537

29-50000-037L

29-50000-037

Other accessories on page 58. Other technical details and dimensions from page 60 onwards.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



1.1

CLASSIC pro M - V3	CLASSIC pro M - V4
with pull-out shelves	with pull-out shelves
29-200667-051	29-200667-050
4 pull-out shelves, 1 bottom tray and base	3 pull-out shelves, 1 bottom tray and base
594 x 612 x 2085 23.39 x 24.1 x 82.09	594 x 612 x 2085 23.39 x 24.1 x 82.09
379 x 469 x 1700 14.92 x 18.46 x 66.93	379 x 469 x 1700 14.92 x 18.46 x 66.93
275 606.27	275 606.27
46 spray cans 16 cans 20 glass lab bottles 8 glass lab bottles	46 spray cans 16 cans 20 glass lab bottles 8 glass lab bottles
29-50667-271	29-50667-270
29-50667-327	29-50667-327
29-50000-001	29-50000-001
29-50667-537	29-50667-537
29-50000-037L	29-50000-037L
29-50000-037	29-50000-037

Accessories - varied and flexible

Adapt the cabinets of the CLASSIC line to your requirements even better with the large variety of accessories offered. To make your workplace more efficient and safer.



Exhaust air systems

Monitoring exhaust air systems help prevent explosion risks in work areas, see programme section 7.



Earthing cables

Through the equipotential bonding saddles on the cabinet as a standard and an additional earthing cable with crocodile clip in the interior, conductive containers can be directly connected to the earthing cable as per TRGS 727.



Anti-slip mat

Anti-slip mats can prevent containers from inadvertently slipping. So everything stays where it belongs (see additional interior fittings).



Labelling system

When the doors are opened, the label holder folds forward for easier reading. Up to seven holders can be attached and the scannable labels can be easily changed.



Transport trolley

with antistatic rollers to safely transport hazardous substances.



Red-Box

for safely storing documents exactly where they are needed.



Absorber cloths

Absorber cloths are specially designed for use with chemicals and are thus ideal for picking up spilled hazardous substances.



Locker

bolted directly in the safety storage cabinet as additionally protected access control (see additional interior fittings).

Accessories

Pipe penetration (reclosable)
Pipe penetration
Red-Box

Ref. no.

on request
29-70000-048
2.233.04

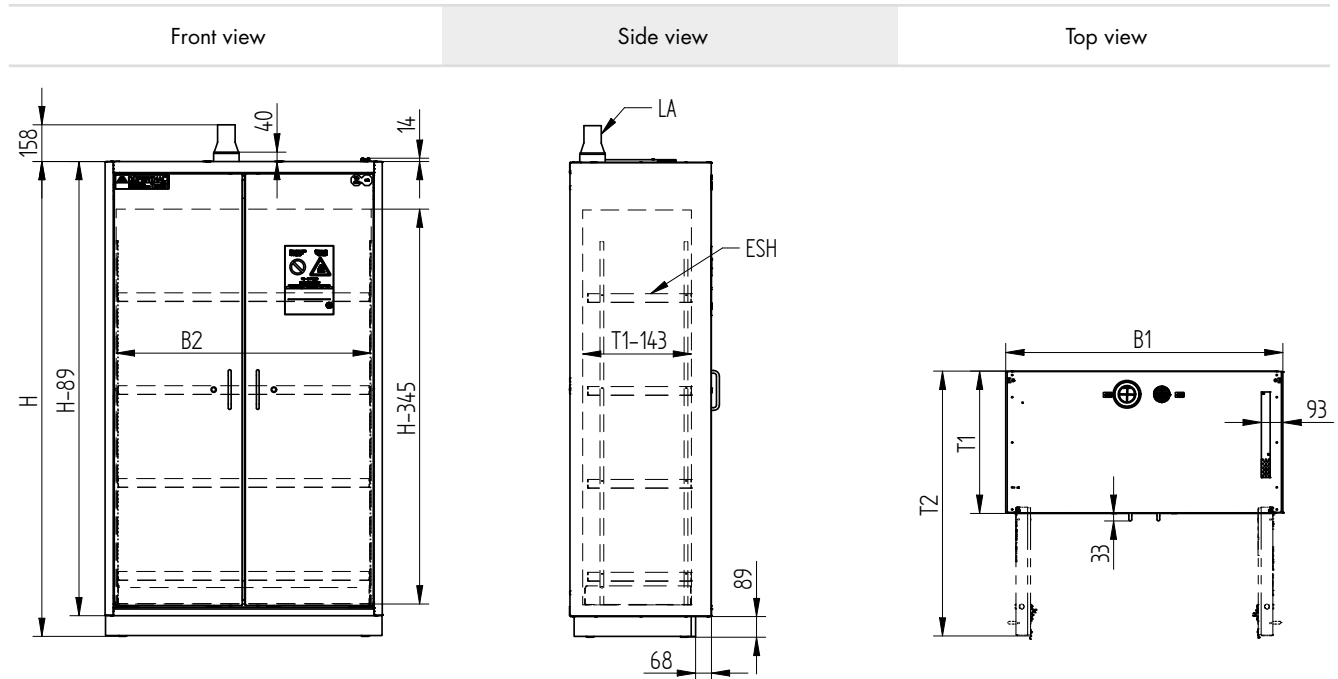
Optional extras

Transport trolley for flammable media
Earthing cable with crocodile clip
Exhaust air system or ventilator
Safety container
Absorber

7.02.100
1.806.63
see programme section 7 or at www.dueperthal.com
see programme section 8 or at www.dueperthal.com
see programme section 10 or at www.dueperthal.com

Tech specs CLASSIC standard – Type 90

Technical details - CLASSIC standard

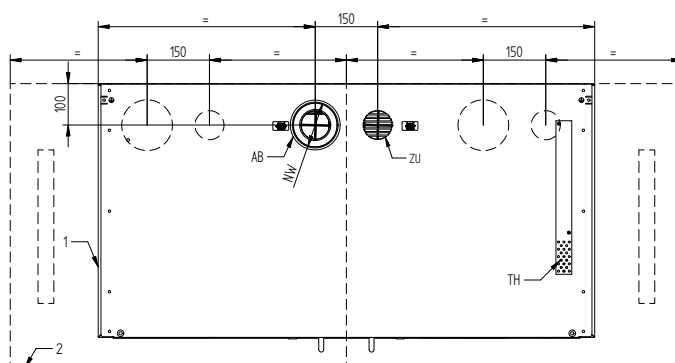


Model size		S	SL	XS	M	ML	L	LL	XL	XXL
H	[mm] [inch]	1385 54.53	1385 54.53	1385 54.53	2045 80.51	2045 80.51	2045 80.51	2045 80.51	2045 80.51	2045 80.51
B1	[mm] [inch]	594 23.39	594 23.39	1194 47	594 23.39	594 23.39	894 35.2	894 35.2	1194 47	1650 64.96
B2	[mm] [inch]	498 19.61	498 19.61	1098 43.23	498 19.61	498 19.61	798 31.42	798 31.42	1098 43.23	2x 746 2x 29.37
T1	[mm] [inch]	612 24.1	747 29.41	612 24.1	612 24.1	747 29.41	612 24.1	747 29.41	612 24.1	747 29.41
T2	[mm] [inch]	1100 43.31	1235 48.62	1140 44.88	1100 43.31	1235 48.62	990 38.98	1125 44.29	1140 44.88	1483 56.61
Doors		1	1	2	1	1	2	2	2	2

LA: Connection socket NW 75 (2.95)

ESH: Adjustable heights and standing surface dimensions

Top view - more details

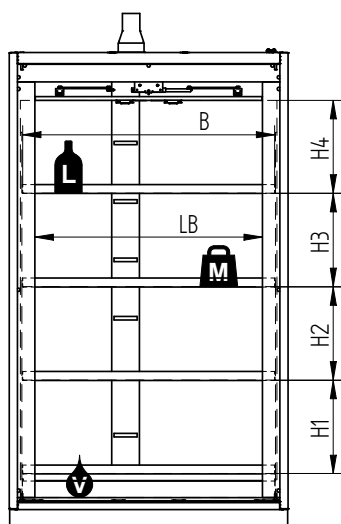


- 1: Cabinet size S-XL
- 2: Cabinet size XXL
- NW: 110 (4.33) with adapter 75 (2.95)
- AB: Exhaust air connection
- ZU: Air supply
- TH: Thermocouple

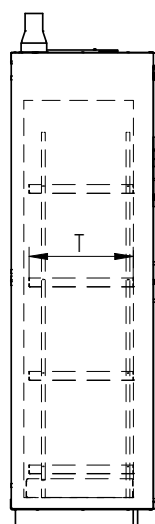
Tech specs CLASSIC standard – Type 90

Technical details | Adjustable heights - CLASSIC standard

Front view



Side view



Max. container height [mm]
[inch]

Model size		S SL XS	M ML L LL XL XXL
2 storage shelves	H1	478 18.82	798 31.42
	H4	457 18	797 31.38
3 storage shelves	H1	318 12.52	542 21.34
	H2	318 12.52	526 20.71
	H4	297 11.7	525 20.67
4 storage shelves	H1	–	398 15.67
	H2	–	398 15.67
	H3	–	398 15.67
	H4	–	397 15.63

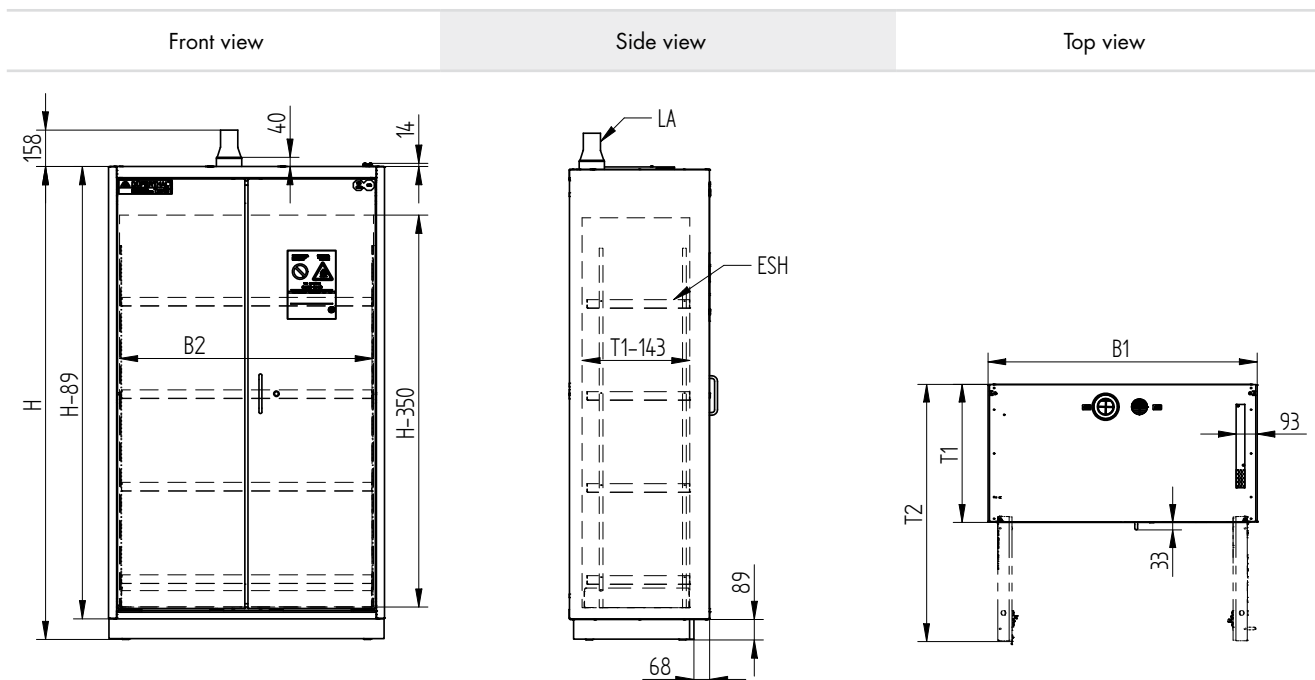
1.1

Model size		S	SL	XS	M	ML	L	LL	XL	XL (CPW)	XXL
B	[mm]	479	479	1079	479	479	779	779	1079	2x 522	2x 727
	[inch]	18.86	18.86	42.48	18.86	18.86	30.67	30.67	42.48	2x 20.55	2x 28.62
LB	[mm]	374	374	974	374	374	674	674	974	2x 479	2x 684
	[inch]	14.72	14.72	38.35	14.72	14.72	26.54	26.54	38.35	2x 18.86	2x 26.93
T	[mm]	445	580	445	445	580	445	580	445	445	580
	[inch]	17.52	22.83	17.52	17.52	22.83	17.52	22.83	17.52	17.52	22.83
M	[kg]	75	75	75	75	75	75	75	75	75	75
	[lbs]	165.35	165.35	165.35	165.35	165.35	165.35	165.35	165.35	165.35	165.35
L	[l]	10	15	30	10	15	20	25	30	15	25
	[gal]	2.64	3.96	7.93	2.64	3.96	5.28	6.6	7.93	3.96	6.6
V	[l]	11	16,5	33	11	16,5	22	27,5	33	16,5	27,5
	[gal]	2.91	4.36	8.72	2.91	4.36	5.81	7.26	8.72	4.36	7.26
Tare weight	[kg]	195	225	380	265	325	365	410	455	465	866
	[lbs]	429.9	496.04	837.76	584.22	716.5	804.69	903.9	1003.1	1025.15	1909.2
Max. additional load	[kg]	240	240	240	360	360	360	360	360	360	2x 360
	[lbs]	529.11	529.11	529.11	793.66	793.66	793.66	793.66	793.66	793.66	2x 793.66

- B: Inner width of standing surface, in millimetres
- LB: Clear width (doors), in millimetres
- T: Inner depth of standing surface, in millimetres
- M: Load bearing capacity per storage shelf (uniformly distributed), in kilograms
- L: Maximum volume of the largest individual container, in litres
- V: Max. collection volume, in litres
- CPW: (with) centre partition wall

Tech specs CLASSIC standard – Type 90

Technical details - CLASSIC standard with one-hand wing door technology

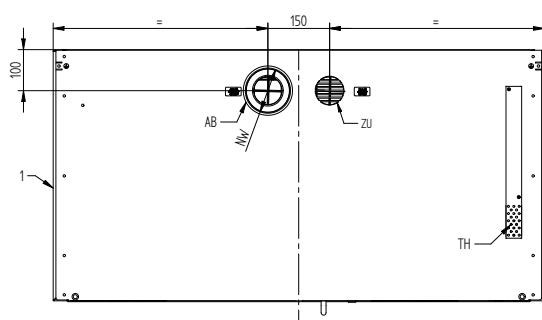


Model size		XS	L	LL	XL
H	[mm] [inch]	1385 54.53	2045 80.51	2045 80.51	2045 80.51
B1	[mm] [inch]	1194 47	894 35.2	894 35.2	1194 47
B2	[mm] [inch]	1098 43.23	798 31.42	798 31.42	1098 43.23
T1	[mm] [inch]	612 24.1	612 24.1	747 29.41	612 24.1
T2	[mm] [inch]	1140 44.88	990 38.98	1125 44.29	1140 44.88
Doors		2	2	2	2

LA: Connection socket NW 75 (2.95)

ESH: Adjustable heights and standing surface dimensions

Top view - more details

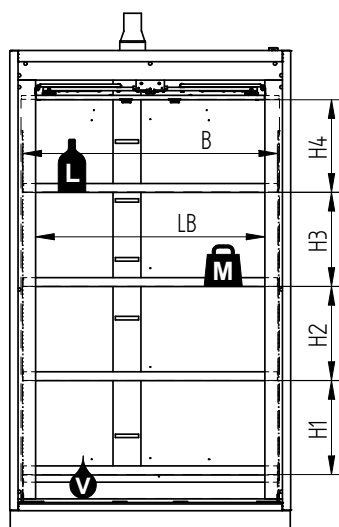


- 1: Cabinet size XS-XL
- NW: 110 (4.33) with adapter 75 (2.95)
- AB: Exhaust air connection
- ZU: Air supply
- TH: Thermocouple

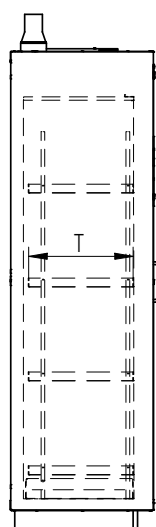
Tech specs CLASSIC standard – Type 90

Technical details | Adjustable heights - CLASSIC standard with one-hand wing door technology

Front view



Side view



Max. container height [mm]
[inch]

Model size		XS	L LL XL
2 storage shelves	H1	478 18.82	798 31.42
	H4	452 17.8	792 31.18
3 storage shelves	H1	318 12.52	542 21.34
	H2	318 12.52	526 20.71
	H4	292 11.5	520 20.47
4 storage shelves	H1	–	398 15.67
	H2	–	398 15.67
	H3	–	398 15.67
	H4	–	392 15.43

1.1

Model size		XS	L	LL	XL	XL (CPW)
B	[mm] [inch]	1079 42.48	779 30.67	779 30.67	1079 42.48	2x 522 2x 20.55
LB	[mm] [inch]	974 38.35	674 26.54	674 26.54	974 38.35	2x 479 2x 18.86
T	[mm] [inch]	445 17.52	445 17.52	580 22.83	445 17.52	445 17.52
M	[kg] [lbs]	75 165.35	75 165.35	75 165.35	75 165.35	75 165.35
L	[l] [gal]	30 7.93	20 5.28	25 6.6	30 7.93	15 3.96
V	[l] [gal]	33 8.72	22 5.81	27,5 7.26	33 8.72	16,5 4.36
Tare weight	[kg] [lbs]	380 837.76	365 804.69	410 903.9	455 1003.1	465 1025.15
Max. additional load	[kg] [lbs]	240 529.11	360 793.66	360 793.66	360 793.66	360 793.66

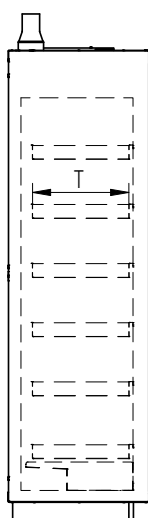
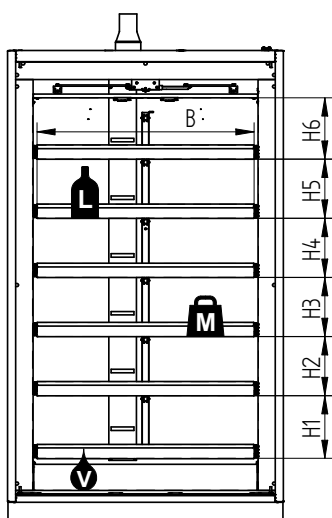
- B: Inner width of standing surface, in millimetres
 LB: Clear width (doors), in millimetres
 T: Inner depth of standing surface, in millimetres
 M: Load bearing capacity per storage shelf (uniformly distributed), in kilograms
 L: Maximum volume of the largest individual container, in litres
 V: Max. collection volume, in litres
 CPW: (with) centre partition wall

Tech specs CLASSIC pro – Type 90

Technical details | Adjustment heights - CLASSIC pro

Front view

Side view



Max. container height [mm]
[inch]

Model size		M ML L LL XL XXL
3 pull-out shelves	H1	527 20.74
	H2	527 20.74
	H6	505 19.88
4 pull-out shelves	H1	399 15.71
	H2	399 15.71
	H3	383 15.08
	H6	377 14.84
5 pull-out shelves	H1	319 12.56
	H2	319 12.56
	H3	319 12.56
	H4	303 11.89
	H6	297 11.7
6 pull-out shelves	H1	271 10.67
	H2	255 10.04
	H3	255 10.04
	H4	255 10.04
	H5	255 10.04
	H6	265 10.43

Model size		M	ML	L	LL	XL	XL (CPW)	XXL
B	[mm]	340	340	640	640	940	442	2x 588
	[inch]	13.39	13.39	25.2	25.2	37.01	17.4	2x 23.15
T	[mm]	417	552	417	552	417	417	552
	[inch]	16.42	21.73	16.42	21.73	16.42	16.42	21.73
M	[kg]	40	40	60	60	60	40	60
	[lbs]	88.18	88.18	132.28	132.28	132.28	88.18	132.28
L	[l]	10	15	20	25	30	10	25
	[gal]	2.64	3.96	5.28	6.6	7.93	2.64	6.6
V	[l]	11	16,5	22	27,5	33	11	27,5
	[gal]	2.91	4.36	5.81	7.26	8.72	2.91	7.26
Tare weight	[kg]	275	335	365	420	465	485	900
	[lbs]	606.27	738.55	804.69	925.94	1025.15	1069.24	1984.16
Max. additional load	[kg]	240	240	240	360	360	360	360
	[lbs]	529.11	529.11	529.11	793.66	793.66	793.66	793.66

B: Inner width of standing surface, in millimetres

T: Inner depth of standing surface, in millimetres

M: Load bearing capacity per pull-out shelf (evenly distributed), in kilograms

L: Maximum volume of the largest individual container, in litres

V: Max. collection volume, in litres

CPW: (with) centre partition wall

1.1

PREMIUM line 1.2



Safety storage cabinets with folding door technology



Your added advantage with the PREMIUM line!

» Health

Ventilation on each cabinet level provides optimised air exchange.

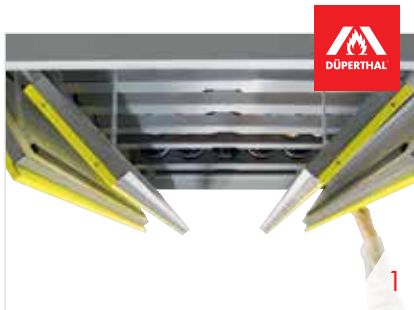
» Safety

Space-saving folding doors for more free moving space, in case of fire with automatic closing of the doors.

» Working safety

Equipotential bonding saddles as a standard on the cabinet help to prevent spark formation.

Discover the space-saving solution for the storage of flammable liquids, the PREMIUM line by DÜPERTHAL, with 90 minutes of fire protection. Experience the versatility and the comfort offered by the PREMIUM line.

1.2

1 Easy-moving folding door technology

The easy-moving folding doors can be opened easily with a minimum amount of effort using a single handle and they are very space-saving. Thus they are appropriate for smaller or confined labs.

2 Storage shelves

Storage shelves offer the largest storage capacity and ideal use of space due to their height adjustment at a pitch of 16 mm (0.63 inch).

3 Pull-out shelves

Containers can be safely stored with both hands due to the easy-moving pull-out shelves.

4 Double pull-out stop (patented)

A double pull-out stop prevents several pull-out shelves from being pulled out at the same time.

5 Self-closing in case of fire

The closure control system guarantees that in case of fire the pull-out shelves are retracted and only then are the doors closed.

6 Vario shelves

The vario shelves are ideal for the storage of small containers and have height adjustment in the 64 mm pitch. When the doors are being opened, the containers swivel down ready to be grabbed.

PREMIUM line Type 90 at a glance

PREMIUM standard XL with storage shelves or storage shelves and centre partition wall

	Dimensions [mm] [inch]		
	Width	Depth	Height
PREMIUM standard XL 1-2	1194 47	597 23.5	2077 81.77



PREMIUM standard XL - V1



PREMIUM standard XL - V2

Max. volume of largest individual container [l]/[gal]	30/7.93	15/3.96
--------------------------------------------------------------	---------	---------

PREMIUM standard M, ML with storage shelves

	Dimensions [mm] [inch]		
	Width	Depth	Height
PREMIUM standard M	594 23.39	597 23.5	2077 81.77
PREMIUM standard ML	594 23.39	747 29.41	2077 81.77



PREMIUM standard M



PREMIUM standard ML

Max. volume of largest individual container [l]/[gal]	10/2.64	15/3.96
--------------------------------------------------------------	---------	---------

PREMIUM pro XL with pull-out shelves

	Dimensions [mm] [inch]		
	Width	Depth	Height
PREMIUM pro XL 1-4	1194 47	597 23.5	2077 81.77



PREMIUM pro XL - V1



PREMIUM pro XL - V2



PREMIUM pro XL - V3



PREMIUM pro XL - V4

Max. volume of largest individual container [l]/[gal]	25/6.6	25/6.6	25/6.6	25/6.6
--------------------------------------------------------------	--------	--------	--------	--------

PREMIUM pro XL with pull-out shelves and centre partition wall

	Dimensions [mm] [inch]		
	Width	Depth	Height
PREMIUM pro XL 5-8	1194 47	597 23.5	2077 81.77



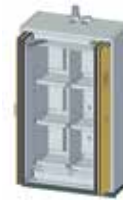
PREMIUM pro XL - V5



PREMIUM pro XL - V6



PREMIUM pro XL - V7



PREMIUM pro XL - V8

Max. volume of largest individual container [l]/[gal]	10/2.64	10/2.64	10/2.64	10/2.64
--------------------------------------------------------------	---------	---------	---------	---------

PREMIUM pro ML with pull-out shelves

Dimensions [mm]
[inch]

	Width	Depth	Height
PREMIUM pro ML 1-4	594 23.39	747 29.41	2077 81.77



PREMIUM pro
ML - V1



PREMIUM pro
ML - V2



PREMIUM pro
ML - V3



PREMIUM pro
ML - V4

Max. volume of largest individual container [l]/[gal]	15/3.96	15/3.96	15/3.96	15/3.96
--------------------------------------------------------------	---------	---------	---------	---------

1.2

PREMIUM pro M with pull-out shelves

Dimensions [mm]
[inch]

	Width	Depth	Height
PREMIUM pro M 1-4	594 23.39	597 23.5	2077 81.77



PREMIUM pro
M - V1



PREMIUM pro
M - V2



PREMIUM pro
M - V3



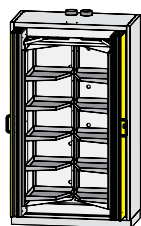
PREMIUM pro
M - V4

Max. volume of largest individual container [l]/[gal]	10/2.64	10/2.64	10/2.64	10/2.64
--------------------------------------------------------------	---------	---------	---------	---------

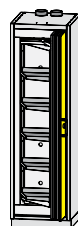
PREMIUM vario XL and M with vario shelves

Dimensions [mm]
[inch]

	Width	Depth	Height
PREMIUM vario XL	1195 47.04	595 23.43	2080 81.88
PREMIUM vario M	595 23.43	595 23.43	2080 81.88



PREMIUM vario
XL



PREMIUM vario
M

Max. volume of largest individual container [l]/[gal]	4.3/1.14	4.3/1.14
--------------------------------------------------------------	----------	----------

PREMIUM standard – Type 90

Discover the space-saving solution for the storage of large quantities of flammable liquids, the PREMIUM standard by DÜPERTHAL, with 90 minutes of fire protection. Experience the versatility and the comfort offered by the PREMIUM standard.



PREMIUM standard XL - V1



PREMIUM standard XL - V2



PREMIUM standard M

PREMIUM vario – Type 90

The cabinets in the PREMIUM vario Type 90 version are especially suitable for the storage of flammable hazardous substances in smaller containers. In this model, when the easy-moving doors are opened, the containers swivel towards you ready to be grasped.



PREMIUM vario XL



PREMIUM vario M



PREMIUM pro – Type 90

The PREMIUM pro type cabinets are the comfortable solution for the storage of several types of container. This is because the easy-moving pull-out shelves with double pull-out stop guarantee a simple and safe access to the contents of the cabinet.

1.2



PREMIUM pro XL – V1



PREMIUM pro M – V1



PREMIUM pro M – V2

Interior fittings:

- » Storage shelves, pull-out shelves, vario shelves and bottom trays, optionally made of powder-coated sheet steel or stainless steel.

Construction:

- » Folding doors of powder-coated sheet steel, with cascade construction.
- » The doors are generally right-hinged for one-door cabinets. A left-hung door can be delivered on request for no additional charge.
- » Outer carcass, powder-coated sheet steel.
- » Inner carcass made of high-quality decor panels.

Colour standard version:

- » Wing doors in zinc yellow RAL 1018.
- » Carcass completely in light grey RAL 7035.
- » Individual colours possible.
- » Base in slate grey RAL 7015.

Golden yellow
RAL 1004

Light grey
RAL 7035

Zinc yellow
RAL 1018

Pure white
RAL 9010

Ordering information



Ref. no.

with classical folding door technology

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[400 ml/11 oz] [1.0 l/0.26 gal] [1.0 l/0.26 gal] [2.5 l/0.66 gal]
------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings Material

Interior fittings	Stainless steel
Storage shelf	Sheet steel
Storage shelf	Stainless steel
Insert for storage shelf	PP
Anti-slip mat	Rubber
Locker (door hung left)	
Locker (door hung right)	

PREMIUM standard XL - V1

with storage shelves

29-201262-030

4 storage shelves, 1 bottom tray
and base

1194 x 597 x 2077
47 x 23.5 x 81.77

1098 x 468 x 1655
43.23 x 18.43 x 65.16

496
1093.5

105 spray cans
38 cans
45 glass lab bottles
19 glass lab bottles

PREMIUM standard XL - V2

with storage shelves and centre partition wall

29-201262-032

2x 4 storage shelves, 2 bottom trays,
centre partition wall and base

1194 x 597 x 2077
47 x 23.5 x 81.77

1098 x 468 x 1655
43.23 x 18.43 x 65.16

505
1113.33

52 spray cans
19 cans
22 glass lab bottles
9 glass lab bottles

on request

29-51267-013

on request

29-51267-323

29-51267-533

on request

on request

on request

29-51267-015

on request

29-51267-325

29-51267-535

on request

on request

Other accessories on page 83. Other technical details and dimensions from page 84 onwards.



Tested safety at a very high level including:



1.2

PREMIUM standard ML		PREMIUM standard M	
with storage shelves Special depth 750 mm/29.53 inch		with storage shelves	
29-200672-030		29-200662-030	
4 storage shelves, 1 bottom tray and base		4 storage shelves, 1 bottom tray and base	
594 x 747 x 2077 23.39 x 29.41 x 81.77		594 x 597 x 2077 23.39 x 23.5 x 81.77	
498 x 618 x 1655 19.6 x 24.33 x 65.12		498 x 468 x 1655 19.6 x 18.43 x 65.12	
357 787.1		297 654.77	
64 spray cans 23 cans 27 glass lab bottles 11 glass lab bottles		46 spray cans 16 cans 20 glass lab bottles 8 glass lab bottles	
on request		on request	
29-50677-013		29-50667-013	
on request		on request	
29-50677-323		29-50667-323	
29-50677-533		29-50667-533	
on request		on request	
on request		on request	

Ordering information



Ref. no.

with classical folding door technology

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[400 ml/11 oz] [1.0 l/0.26 gal] [1.0 l/0.26 gal] [2.5 l/0.66 gal]
------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings Material

Interior fittings	Stainless steel
Tray insert	PP
Label holder	
Anti-slip mat for pull-out shelf	Rubber
Locker (door hung left)	
Locker (door hung right)	

PREMIUM pro XL – V1

with pull-out shelves

29-201262-053

6 pull-out shelves, 1 bottom tray
and base

1194 x 597 x 2077
47 x 23.5 x 81.77

1098 x 468 x 1655
43.23 x 18.43 x 65.16

528
1164.04

77 spray cans
29 cans
35 glass lab bottles
14 glass lab bottles

PREMIUM pro XL – V2

with pull-out shelves

29-201262-052

5 pull-out shelves, 1 bottom tray
and base

1194 x 597 x 2077
47 x 23.5 x 81.77

1098 x 468 x 1655
43.23 x 18.43 x 65.16

528
1164.04

77 spray cans
29 cans
35 glass lab bottles
14 glass lab bottles

on request

29-51262-327

29-50000-001

29-51262-537

on request

on request

on request

29-51262-327

29-50000-001

29-51262-537

on request

on request

Other accessories on page 83. Other technical details and dimensions from page 84 onwards.



Tested safety at a very high level including:



1.2

PREMIUM pro XL – V3		PREMIUM pro XL – V4	
With pull-out shelves		with pull-out shelves	
29-201262-051		29-201262-050	
4 pull-out shelves, 1 bottom tray and base		3 pull-out shelves, 1 bottom tray and base	
1194 x 597 x 2077 47 x 23.5 x 81.77		1194 x 597 x 2077 47 x 23.5 x 81.77	
1098 x 468 x 1655 43.23 x 18.43 x 65.16		1098 x 468 x 1655 43.23 x 18.43 x 65.16	
528 1164.04		528 1164.04	
77 spray cans 29 cans 35 glass lab bottles 14 glass lab bottles		77 spray cans 29 cans 35 glass lab bottles 14 glass lab bottles	
on request		on request	
29-51262-327		29-51262-327	
29-50000-001		29-50000-001	
29-51262-537		29-51262-537	
on request		on request	
on request		on request	

Ordering information



Ref. no.

with classical folding door technology

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[400 ml/11 oz] [1.0 l/0.26 gal] [1.0 l/0.26 gal] [2.5 l/0.66 gal]
------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings Material

Interior fittings	Stainless steel
Tray insert	PP
Label holder	
Anti-slip mat for pull-out shelf	Rubber
Locker (door hung left)	
Locker (door hung right)	

PREMIUM pro XL – V5

with pull-out shelves
and centre partition wall

29-201262-059

2x 6 pull-out shelves, 2 bottom trays,
centre partition wall and base

1194 x 597 x 2077
47 x 23.5 x 81.77
1098 x 468 x 1655
43.23 x 18.43 x 65.16

600
1322.77

37 spray cans
13 cans
16 glass lab bottles
6 glass lab bottles

PREMIUM pro XL – V6

with pull-out shelves
and centre partition wall

29-201262-058

2x 5 pull-out shelves, 2 bottom trays,
centre partition wall and base

1194 x 597 x 2077
47 x 23.5 x 81.77
1098 x 468 x 1655
43.23 x 18.43 x 65.16

600
1322.77

37 spray cans
13 cans
16 glass lab bottles
6 glass lab bottles

on request

29-51262-329

29-50000-001

29-51262-539

on request

on request

on request

29-51262-329

29-50000-001

29-51262-539

on request

on request

Other accessories on page 83. Other technical details and dimensions from page 84 onwards.



Tested safety at a very high level including:



1.2

PREMIUM pro XL – V7		PREMIUM pro XL – V8	
with pull-out shelves and centre partition wall		with pull-out shelves and centre partition wall	
29-201262-057		29-201262-056	
2x 4 pull-out shelves, 2 bottom trays, centre partition wall and base		2x 3 pull-out shelves, 2 bottom trays, centre partition wall and base	
1194 x 597 x 2077 47 x 23.5 x 81.77		1194 x 597 x 2077 47 x 23.5 x 81.77	
1098 x 468 x 1655 43.23 x 18.43 x 65.16		1098 x 468 x 1655 43.23 x 18.43 x 65.16	
600 1322.77		600 1322.77	
37 spray cans 13 cans 16 glass lab bottles 6 glass lab bottles		37 spray cans 13 cans 16 glass lab bottles 6 glass lab bottles	
on request		on request	
29-51262-329		29-51262-329	
29-50000-001		29-50000-001	
29-51262-539		29-51262-539	
on request		on request	
on request		on request	

Ordering information



Ref. no.

with classical folding door technology

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[400 ml/11 oz] [1.0 l/0.26 gal] [1.0 l/0.26 gal] [2.5 l/0.66 gal]
------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings Material

Interior fittings	Stainless steel
Tray insert	PP
Label holder	
Anti-slip mat for pull-out shelf	Rubber
Locker (door hung left)	
Locker (door hung right)	

PREMIUM pro ML – V1

with pull-out shelves
special depth
747 mm/29.41 inch

29-200672-053

6 pull-out shelves,
1 bottom tray
and base

594 x 747 x 2077
23.39 x 29.41 x 81.77

498 x 618 x 1655
19.6 x 24.33 x 65.16

389
857.6

50 spray cans
15 cans
19 glass lab bottles
7 glass lab bottles

PREMIUM pro ML – V2

with pull-out shelves
special depth
747 mm/29.41 inch

29-200672-052

5 pull-out shelves,
1 bottom tray
and base

594 x 747 x 2077
23.39 x 29.41 x 81.77

498 x 618 x 1655
19.6 x 24.33 x 65.16

389
857.6

50 spray cans
15 cans
19 glass lab bottles
7 glass lab bottles

PREMIUM pro ML – V3

with pull-out shelves
special depth
747 mm/29.41 inch

29-200672-051

4 pull-out shelves,
1 bottom tray
and base

594 x 747 x 2077
23.39 x 29.41 x 81.77

498 x 618 x 1655
19.6 x 24.33 x 65.16

389
857.6

50 spray cans
15 cans
19 glass lab bottles
7 glass lab bottles

on request

29-50672-327

29-50000-001

29-50672-537

on request

on request

on request

29-50672-327

29-50000-001

29-50672-537

on request

on request

on request

29-50672-327

29-50000-001

29-50672-537

on request

on request

Other accessories on page 83. Other technical details and dimensions from page 84 onwards.



Tested safety at a very high level including:



1.2



PREMIUM pro ML – V4

with pull-out shelves
special depth
747 mm/29.41 inch

29-200672-050

3 pull-out shelves,
1 bottom tray
and base

594 x 747 x 2077
23.39 x 29.41 x 81.77

498 x 618 x 1655
19.6 x 24.33 x 65.16

389
857.6

37 spray cans
13 cans
16 glass lab bottles
6 glass lab bottles

on request

29-50672-327

29-50000-001

29-50672-537

on request

on request

PREMIUM pro M – V1

with pull-out shelves

29-200662-053

6 pull-out shelves,
1 bottom tray
and base

594 x 597 x 2077
23.39 x 29.41 x 81.77

498 x 468 x 1655
19.6 x 24.33 x 65.16

329
725.32

46 spray cans
16 cans
20 glass lab bottles
8 glass lab bottles

on request

29-50662-327

29-50000-001

29-50662-537

on request

on request

PREMIUM pro M – V2

with pull-out shelves

29-200662-052

5 pull-out shelves,
1 bottom tray
and base

594 x 597 x 2077
23.39 x 29.41 x 81.77

498 x 468 x 1655
19.6 x 24.33 x 65.16

329
725.32

46 spray cans
16 cans
20 glass lab bottles
8 glass lab bottles

on request

29-50662-327

29-50000-001

29-50662-537

on request

on request

PREMIUM pro M – V3

with pull-out shelves

29-200662-051

4 pull-out shelves,
1 bottom tray
and base

594 x 597 x 2077
23.39 x 29.41 x 81.77

498 x 468 x 1655
19.6 x 24.33 x 65.16

329
725.32

46 spray cans
16 cans
20 glass lab bottles
8 glass lab bottles

on request

29-50662-327

29-50000-001

29-50662-537

on request

on request

PREMIUM pro M – V4

with pull-out shelves

29-200662-050

3 pull-out shelves,
1 bottom tray
and base

594 x 597 x 2077
23.39 x 29.41 x 81.77

498 x 468 x 1655
19.6 x 24.33 x 65.16

329
725.32

46 spray cans
16 cans
20 glass lab bottles
8 glass lab bottles

on request

29-50662-327

29-50000-001

29-50662-537

on request

on request



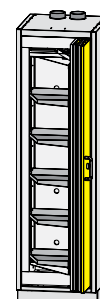
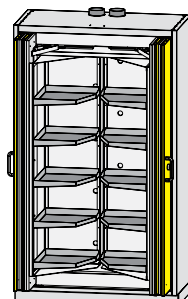
Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



Ordering information



Ref. no.

with classical folding door technology

Details

Dimensions

Outer [mm]
(width x depth x height) [inch]

Inner [mm]
(width x depth x height) [inch]

Weight [kg]
[lbs]

Storage capacity/standing surface (approx. data)

Size [400 ml/11 oz]
[1.0 l/0.26 gal]
[1.0 l/0.26 gal]
[2.5 l/0.66 gal]

Ref. no.

Additional interior fittings Material

Interior fittings Stainless steel

Anti-slip mat for vario shelf Rubber

PREMIUM vario XL

with vario shelves

29-201262-051V

2x 5 vario shelves
and base

1195 x 595 x 2080
47.05 x 23.43 x 81.89

1099 x 446 x 1830
43.27 x 17.56 x 72.05

475
1047.2

36 spray cans
12 cans
16 glass lab bottles
6 glass lab bottles

on request

29-81266-550

PREMIUM vario M

with vario shelves

29-200662-051V

5 vario shelves
and base

595 x 595 x 2080
23.43 x 23.43 x 81.89

499 x 446 x 1830
19.65 x 17.56 x 72.05

290
639.34

36 spray cans
12 cans
16 glass lab bottles
6 glass lab bottles

on request

29-81266-550

Other accessories on page 83. Other technical details and dimensions from page 84 onwards.

Accessories - varied and flexible

Adapt the cabinets of the PREMIUM line to your requirements even better with the large variety of accessories offered. To make your workplace more efficient and safer.

1.2



Exhaust air systems

Monitoring exhaust air systems help prevent explosion risks in work areas, see programme section 7.



Earthing cables

Through the equipotential bonding saddles on the cabinet as a standard and an additional earthing cable with crocodile clip in the interior, conductive containers can be directly connected to the earthing cable as per TRGS 727.



Anti-slip mat

Anti-slip mats can prevent containers from inadvertently slipping. So everything stays where it belongs (see additional interior fittings).



Labelling system

When the doors are opened, the label holder folds forward for easier reading. Up to seven holders can be attached and the scannable labels can be easily changed.



Transport trolley

with antistatic rollers to safely transport hazardous substances.



Locker

bolted directly in the safety storage cabinet as additionally protected access control (see additional interior fittings).



Absorber cloths

Absorber cloths are specially designed for use with chemicals and are thus ideal for picking up spilled hazardous substances.



Pipe penetration

Safety storage cabinets can be adapted to your requirements by incorporating additional penetrations for pipes, hoses and cables.

Accessories

Pipe penetration (reclosable)

Pipe penetration

Red-Box

Optional extras

Transport trolley for flammable media

Earthing cable with crocodile clip

Exhaust air system or ventilator

Safety container

Absorber

Ref. no.

on request

29-70000-048

2.233.04

7.02.100

1.806.63

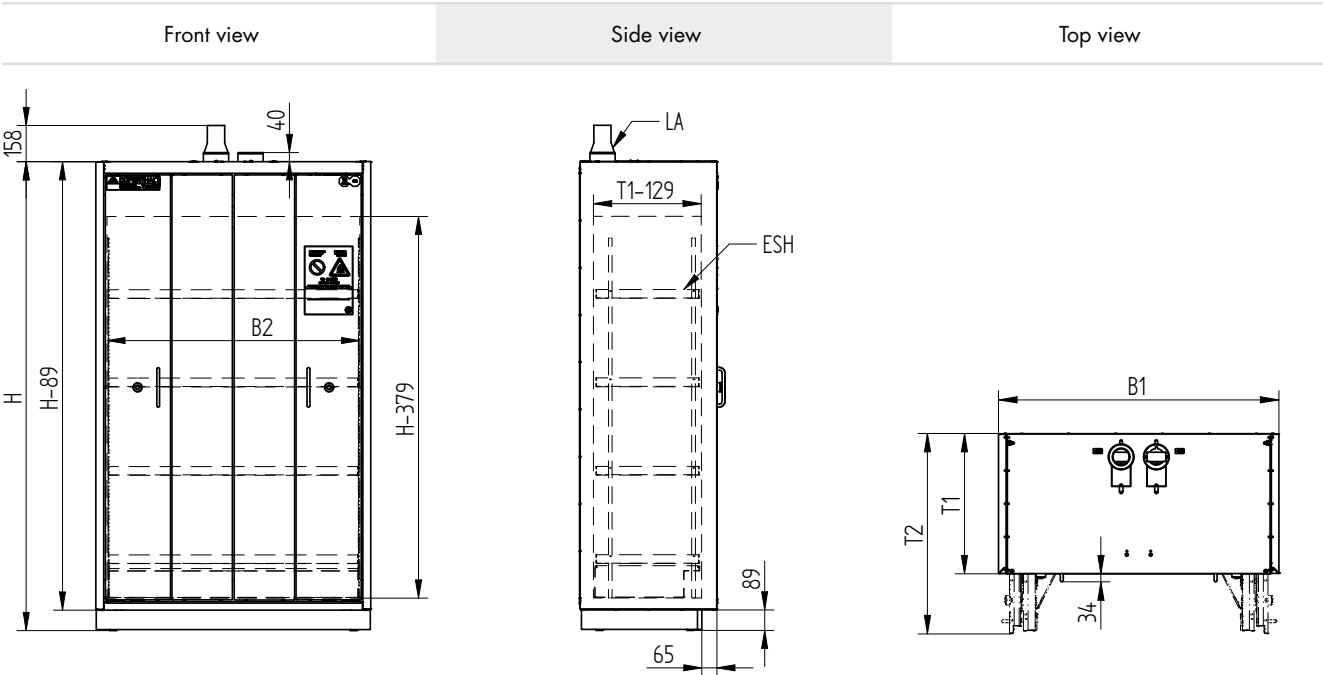
see programme section 7 or at www.dueperthal.com

see programme section 8 or at www.dueperthal.com

see programme section 10 or at www.dueperthal.com

Tech specs PREMIUM standard – Type 90

Technical details - PREMIUM standard

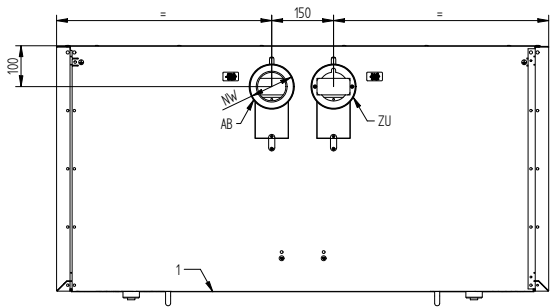


Model size		M	ML	XL
H	[mm]	2037	2037	2037
	[inch]	80.2	80.2	80.2
B1	[mm]	594	594	1194
	[inch]	23.39	23.39	47
B2	[mm]	498	498	1098
	[inch]	19.6	19.6	43.23
T1	[mm]	597	747	597
	[inch]	23.5	29.41	23.5
T2	[mm]	854	1004	854
	[inch]	33.62	39.53	33.62
Doors		1	1	2

LA: Connection socket NW 75 (2.95)

ESH: Adjustable heights and standing surface dimensions

Top view - more details

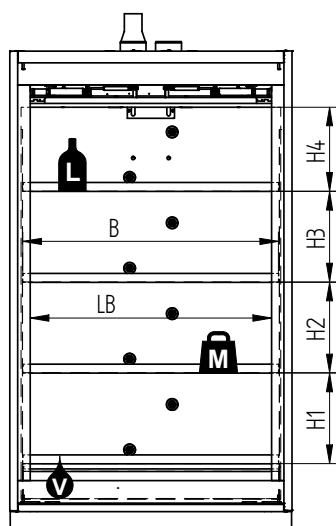


- 1: Cabinet size M-XL
- NW: 110 (4.33) with adapter 75 (2.95)
- AB: Exhaust air connection
- ZU: Air supply

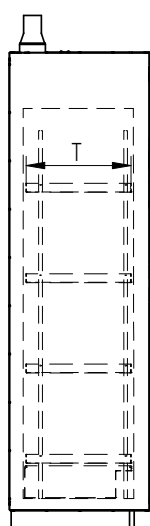
Tech specs PREMIUM standard – Type 90

Technical details | Adjustment heights - PREMIUM standard

Front view



Side view



Max. container height [mm]
[inch]

Model size	M ML XL
2 storage shelves	H1 766 30.16
	H4 739 29.09
3 storage shelves	H1 510 20.08
	H2 510 20.08
	H4 483 19.02
4 storage shelves	H1 382 15.04
	H2 382 15.04
	H3 382 15.04
	H4 355 13.98

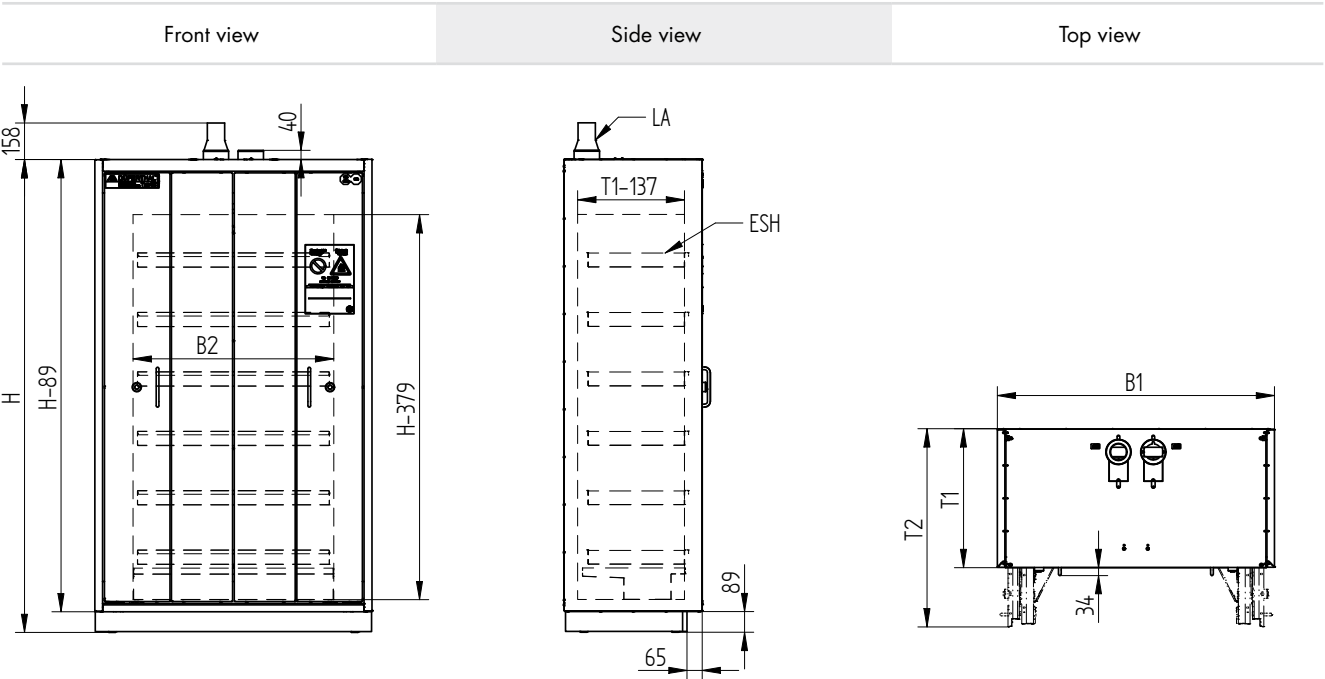
1.2

Model size		M	ML	XL	XL (CPW)
B	[mm]	481	481	1081	2x 522
	[inch]	18.94	18.94	42.56	2x 20.55
LB	[mm]	420	420	1020	2x 502
	[inch]	16.54	16.54	40.16	2x 19.76
T	[mm]	445	580	445	445
	[inch]	17.52	22.83	17.52	17.52
M	[kg]	75	75	75	75
	[lbs]	165.35	165.35	165.35	165.35
L	[l]	10	15	30	15
	[gal]	2.64	3.96	7.9	3.96
V	[l]	11	16,5	33	16,5
	[gal]	2.91	4.36	8.72	4.36
Tare weight	[kg]	297	357	496	505
	[lbs]	654.77	787.1	1093.5	1113.33
Max. additional load	[kg]	360	360	360	360
	[lbs]	793.66	165.35	165.35	165.35

- B: Inner width of standing surface, in millimetres
 LB: Clear width (doors), in millimetres
 T: Inner depth of standing surface, in millimetres
 M: Load bearing capacity per storage shelf (uniformly distributed), in kilograms
 L: Maximum volume of the largest individual container, in litres
 V: Max. collection volume, in litres
 CPW: (with) centre partition wall

Tech specs PREMIUM pro – Type 90

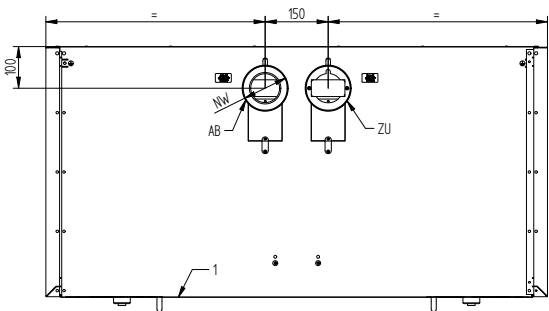
Technical details - PREMIUM pro



Model size		M	ML	XL
H	[mm]	2037	2037	2037
	[inch]	80.2	80.2	80.2
B1	[mm]	594	594	1194
	[inch]	23.39	23.39	47
B2	[mm]	344	344	864
	[inch]	13.54	13.54	34.02
T1	[mm]	597	747	597
	[inch]	23.5	29.41	23.5
T2	[mm]	854	1004	854
	[inch]	33.62	39.53	33.62
Doors		1	1	2

LA: Connection socket NW 75 (2.95)
 ESH: Adjustable heights and standing surface dimensions

Top view - more details

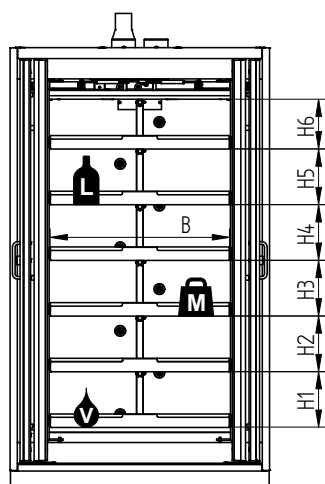


1: Cabinet size M-XL
 NW: 110 (4.33) with adapter 75 (2.95)
 AB: Exhaust air connection
 ZU: Air supply

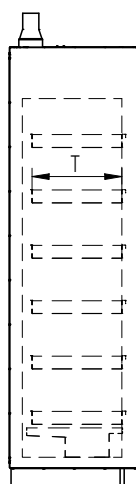
Tech specs PREMIUM pro – Type 90

Technical details | Adjustment heights - PREMIUM pro

Front view



Side view



Max. container height [mm]
[inch]

Model size	M ML XL
3 pull-out shelves	
H1	511 20.12
H2	511 20.12
H6	484 19.06
4 pull-out shelves	
H1	383 15.08
H2	383 15.08
H3	383 15.08
H6	356 14.02
5 pull-out shelves	
H1	303 11.93
H2	303 11.93
H3	303 11.93
H4	303 11.93
H6	292 11.5
6 pull-out shelves	
H1	255 10.04
H2	255 10.04
H3	255 10.04
H4	255 10.04
H5	255 10.04
H6	228 8.98

Model size		M	ML	XL	XL (CPW)
B	[mm] [inch]	305 12.01	305 12.01	825 32.48	2x 385 2x 15.16
T	[mm] [inch]	415 16.34	565 22.24	415 16.34	2x 415 2x 16.34
M	[kg] [lbs]	40 88.18	40 88.18	60 132.28	40 88.18
L	[l] [gal]	10 2.64	15 3.96	25 6.6	10 2.64
V	[l] [gal]	11 2.91	17,5 4.62	28 7.4	13,5 3.57
Tare weight	[kg] [lbs]	329 725.32	389 857.6	528 1164.04	600 1322.77
Max. additional load	[kg] [lbs]	240 529.12	240 529.12	360 793.66	360 793.66

B: Inner width of standing surface, in millimetres
 LB: Clear width (doors), in millimetres
 T: Inner depth of standing surface, in millimetres
 M: Load bearing capacity per storage shelf (uniformly distributed), in kilograms
 L: Maximum volume of the largest individual container, in litres
 V: Max. collection volume, in litres
 CPW: (with) centre partition wall

1.2

COMFORT line 1.3



Safety storage cabinets with pneumatically controlled folding doors



Your added advantage with the COMFORT line!

» Health

Ventilation on each cabinet level provides optimised air exchange.

» Safety

Space-saving folding doors for more free moving space, in case of fire with automatic closing of the doors.

» Working safety

Ergonomic working with pneumatic door control and removal of containers with both hands.

A maximum of ergonomics and comfort is offered by the COMFORT line from DÜPERTHAL with 90-minute fire protection and pneumatic foot control.

1.3



1 Pneumatically controlled folding doors

Pneumatic door control easily activated by foot pedal. The space-saving folding doors open automatically.

2 Easy-moving folding door technology

In case of failure of compressed air, comfortable opening of the folding doors with minimum effort via a single handle.

3 Earthing system

To prevent ignition hazards through earthing in accordance with TRGS 727, the bearing surfaces are conductively connected as a standard to the equipotential bonding saddles.

4 Storage shelves

Storage shelves offer the largest storage capacity and ideal use of space due to their height adjustment at a pitch of 16 mm (0.63 inch).

5 Automatic closing system

When the foot pedal is released, or if activated by a thermocouple in case of fire, the doors close automatically within 20 seconds.

6 Ventilation

Ventilation on every cabinet level and optical control option of the venting cut-off flaps.

COMFORT standard – Type 90

A maximum of ergonomics and comfort is offered by the COMFORT line from DÜPERTHAL with 90-minute fire protection and pneumatic foot control. The storage shelves offer the largest storage capacity and ideal use of space with their height adjustment in the 16 mm (0.63 inch) pitch.



COMFORT standard XL



COMFORT standard M

Interior fittings:

- » Storage shelves, vario shelves and bottom trays, optionally made of powder-coated sheet steel or stainless steel.

Construction:

- » Folding doors made of powder-coated sheet steel, in cascade structure.
- » The doors are generally righthinged for one-door cabinets. A lefthung door can be delivered on request for no additional charge.
- » Outer carcass, powder-coated sheet steel.
- » Inner carcass made of high-quality decor panels.

Colour standard version:

- » Wing doors in zinc yellow RAL 1018.
- » Carcass completely in light grey RAL 7035.
- » Individual colours possible.
- » Base in slate grey RAL 7015.

Golden yellow
RAL 1004

Light grey
RAL 7035

Zinc yellow
RAL 1018

Pure white
RAL 9010



Tested safety at a very high level including:



Ordering information

1.3



Ref. no.		COMFORT standard XL	COMFORT standard M
with classical folding door technology		with storage shelves	with storage shelves
Details		29-201266-021	29-200666-021
Dimensions		4 storage shelves, 1 bottom tray, pedal and base	4 storage shelves, 1 bottom tray, pedal and base
Outer (width x depth x height)	[mm] [inch]	1195 x 595 x 2080 47.05 x 23.43 x 81.89	595 x 595 x 2080 23.43 x 23.43 x 81.89
Inner (width x depth x height)	[mm] [inch]	1099 x 446 x 1830 43.27 x 17.56 x 72.05	499 x 446 x 1830 17.68 x 17.56 x 72.05
Weight	[kg] [lbs]	475 1047.2	290 639.34
Storage capacity/standing surface (approx. data)		105 spray cans 38 cans 45 glass lab bottles 19 glass lab bottles	46 spray cans 16 cans 20 glass lab bottles 8 glass lab bottles
Ref. no.		Additional interior fittings	
Additional interior fittings	Material	on request	on request
Storage shelf	Sheet steel	29-81260-114	29-80660-114
Storage shelf	Stainless steel	on request	on request
Insert for storage shelf	PP	29-81260-314	29-80660-314
Anti-slip mat	Rubber	29-81260-514	29-80660-514
Locker (door hung left)		on request	on request
Locker (door hung right)		on request	on request

Other accessories on page 96. Other technical details and dimensions from page 97 onwards.

Accessories - varied and flexible

Adjust your DÜPERTHAL safety storage cabinet to meet your requirements even better with a variety of accessories. To make your workplace more efficient and safer.



Exhaust air systems

Monitoring exhaust air systems help prevent explosion risks in work areas, see programme section 7.



Red-Box

for safely storing documents exactly where they are needed.



Absorber cloths

Absorber cloths are specially designed for use with chemicals and are thus ideal for picking up spilled hazardous substances.



Pipe penetration

Safety storage cabinets can be adapted to your requirements by incorporating additional penetrations for pipes, hoses and cables.

Accessories:

Pipe penetration (reclosable)

Pipe penetration

Red-Box

Optional extras:

Transport trolley for flammable media

Earthing cable with crocodile clip

Exhaust air system or ventilator

Safety container

Absorber

Ref. no.:

on request

29-70000-048

2.233.04

7.02.100

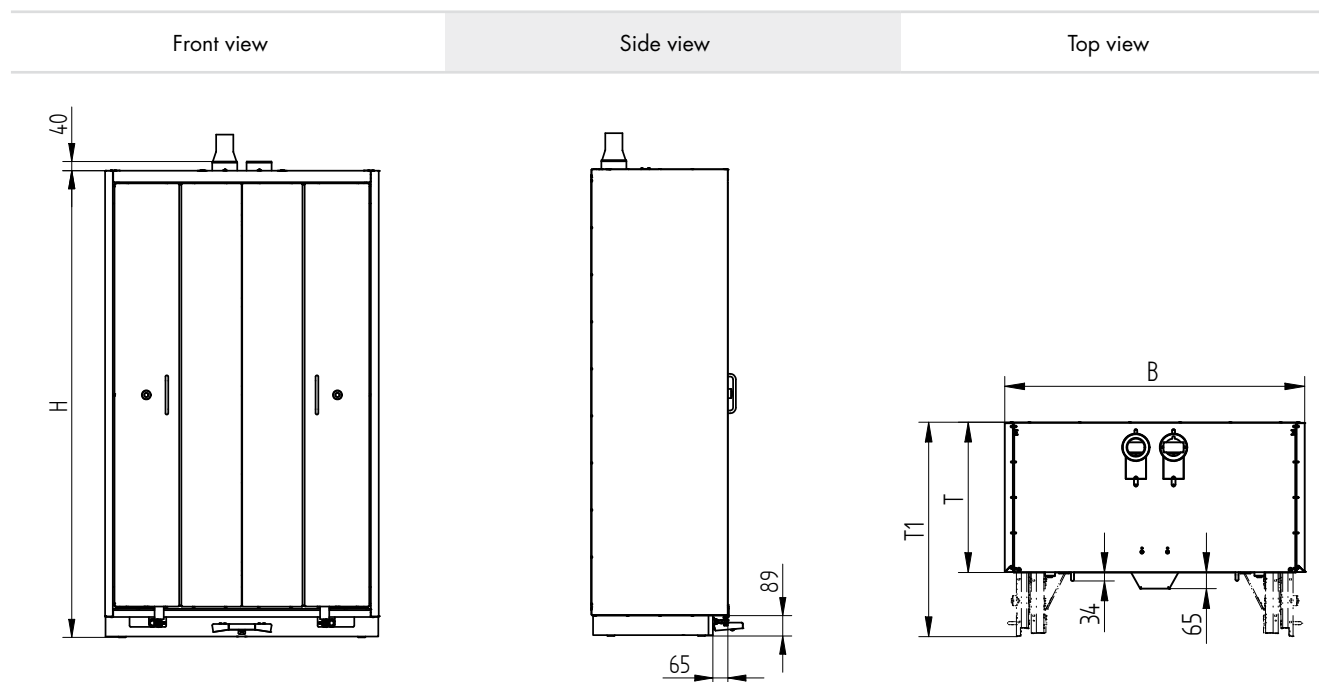
1.806.63

see programme section 7 or at www.dueperthal.com

see programme section 8 or at www.dueperthal.com

see programme section 10 or at www.dueperthal.com

Technical details - COMFORT standard



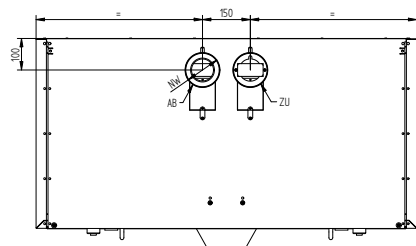
1.3

Model size		M	XL
H	[mm] [inch]	2037 80.2	2037 80.2
B	[mm] [inch]	594 23.39	1194 47
T	[mm] [inch]	597 23.5	597 23.5
T1	[mm] [inch]	854 33.62	854 33.62
Doors		1	2
Tare weight	[kg] [lbs]	300 661.39	510 1124.36
Interior volume of cabinet	[m³] [cu. ft.]	0,43 15.19	0,94 33.2

Data - compressed air

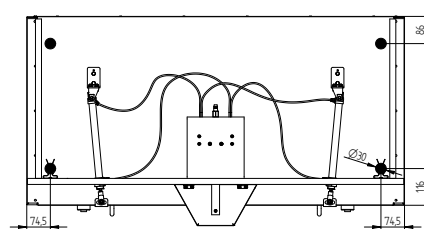
Model size		M XL
Compressed air	[bar] [psi]	6,5 94.27

Top view - more details



NW: 110 (4.33) with adapter 75 (2.95)
AB: Exhaust air connection
ZU: Air supply

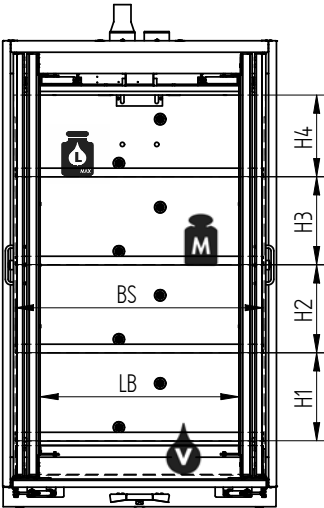
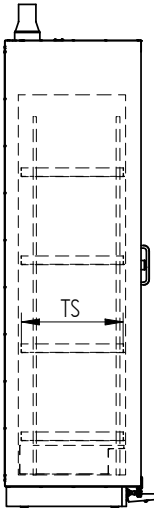
Detail - adjustable feet



● Standing surface of adjustable foot

Tech specs COMFORT line – Type 90

Technical details | Adjustment heights - COMFORT standard

Front view		Side view	
			
		Max. adjustment heights [mm] [inch]	
Model size		M XL	
4 Storage shelves	H1	382	15.04
	H2	382	15.04
	H3	382	15.04
	H4	355	13.98
Adjustable in grid of 16 mm (0.63 inch)			

Model size		M	XL
BS	[mm]	481	1081
	[inch]	18.94	42.56
LB	[mm]	346	866
	[inch]	13.62	34.09
TS	[mm]	444	444
	[inch]	17.48	17.48
M	[kg]	75	75
	[lbs]	165.35	165.35
L	[l]	10	30
	[gal]	2.64	7.93
V	[l]	11	33
	[gal]	2.91	8.72
Max. additional load		360	360
		793.66	793.66
Number of storage shelf		4	4

- BS: Width of standing surface, in millimetres
LB: Clear width, in millimetres
TS: Depth of standing surface, in millimetres
M: Load bearing capacity per storage shelf (uniformly distributed), in kilograms
L: Maximum volume of the largest individual container, in litres
V: Max. collection volume, in litres

COMPACT line 1.4



Safety storage cabinets for passive storage of drums



Your added advantage with the COMPACT line!



» Health

Ventilation on each cabinet level provides optimised air exchange.

» Safety

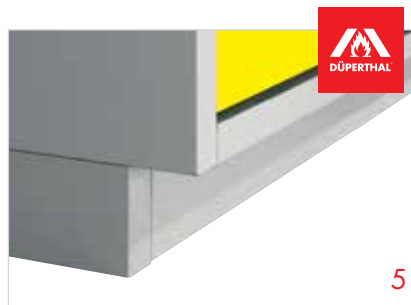
In case of fire, a thermocouple automatically initiates the uninterrupted closing of the doors.

» Working safety

Equipotential bonding saddles as a standard on the cabinet help to prevent spark formation.

Drums can also be stored with safety and comfort near the work site. The COMPACT line by DÜPERTHAL, with 90 minutes of fire protection, allows short paths and efficient work even for the storage of large containers.

1.4



1 Classical wing door technology

Easy-moving wing door technology is the correct solution for a multitude of possible applications.

2 Simple to load and unload

General concept for easy and ergonomic loading and unloading with an optional drum lifter and heavy load drawer.

3 Arrest system

The heavy load drawer is fitted with safety locking to prevent the uncontrolled activation of the heavy load drawer.

4 Base bezel

Base bezel easy to remove in all COMPACT XXL models. After the removal of the base with the drum lifter 1.31.045* roll-under.

5 Ventilation

Ventilation on every cabinet level and optical control option of the venting cut-off flaps.

6 Self-closing in case of fire

Maximum safety with the automatic closing of the doors in case of fire.

COMPACT line – Type 90

Discover the space-saving solution for the storage of large quantities of hazardous goods, the COMPACT line by DÜPERTHAL, with 90 minutes of fire protection. Experience the versatility and the comfort offered by the COMPACT line.



COMPACT LL - V1



COMPACT LL - V2



COMPACT XXL - V3



Interior fittings:

- » Bottom tray optionally made of powder-coated sheet steel with galvanised grating or made of stainless steel, including grating.
- » Optional heavy load drawer with safety locking for 200 litre (52.83 gal) drums in light grey RAL 7035.

Construction:

- » Wing doors, powder-coated sheet steel.
- » Outer carcass, powder-coated sheet steel.
- » Inner carcass made of high-quality decor panels.

Colour standard version:

- » Wing doors in zinc yellow RAL 1018.
- » Carcass completely in light grey RAL 7035.
- » Base in slate grey RAL 7015.
- » Individual colours possible.

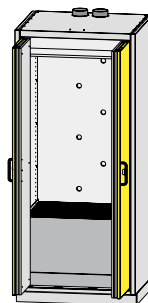
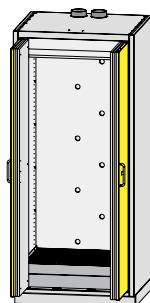
Golden yellow
RAL 1004

Light grey
RAL 7035

Zinc yellow
RAL 1018

Pure white
RAL 9010

Ordering information



Ref. no.

with classical wing door technology

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[50/60 l] [13.21/15.85 gal]
	[200 l] [52.83 gal]

Ref. no.

Additional interior fittings Material

Interior fittings	Sheet steel
Storage shelf	Sheet steel
Storage shelf	Stainless steel
Drum lifter for 60/200 l (15.85/52.83 gal) drums/containers	
Heavy load drawer with safety locking for 200 litre (52.83 gal) drum, load bearing capacity 250 kg (551.16 lbs)	

COMPACT LL – V1

for max. 60 litre (15.85 gal) drum/container

29-200977-011

1 bottom tray for 60 litre drum with grating
and base

894 x 747 x 2085
35.20 x 29.41 x 82.09

798 x 604 x 1540
31.42 x 23.78 x 60.63

400
881.85

COMPACT LL - V2

for max. 200 litre (52.83 gal) drum/container

29-200977-031

1 bottom tray for 200 litre drum with grating
and base

894 x 747 x 2085
35.20 x 29.41 x 82.09

798 x 604 x 1180
31.42 x 23.78 x 46.46

424
934.76

2 drums

–

2 drums

1 drum

on request

29-50977-013

29-50977-213

see programme section 9

–

on request

–

–

see programme section 9

29-50977-069

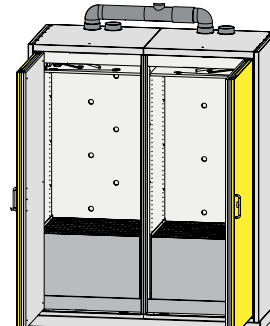
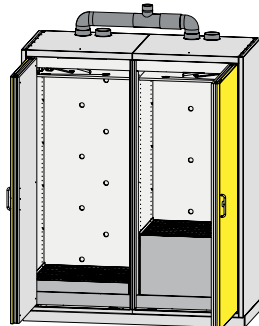
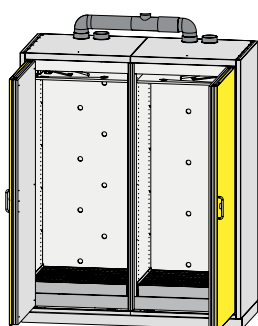
Other accessories on page 106. Other technical details and dimensions from page 108 onwards.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



1.4

COMPACT XXL - V1	COMPACT XXL - V2	COMPACT XXL - V3
for 60 litre (15.85 gal) drums	for 60/200 litre (15.85 / 52.83 gal) drums	for 200 litre (52.83 gal) drum
29-201777-011	29-201777-033	29-201777-031
2 bottom trays each for 1x 60 litre drum with grating and base	1 bottom tray each for 1x 60 litre drum (left), 1 bottom tray for 1x 200 litre drum (right) each with grating and base	2 bottom trays each for 1x 200 litre drum with grating and base
1650 x 747 x 2085 65.00 x 29.41 x 82.09	1650 x 747 x 2085 65.00 x 29.41 x 82.09	1650 x 747 x 2085 65.00 x 29.41 x 82.09
L/R: 724 x L/R: 594 x L/R: 1540 L/R: 28.50 x L/R: 23.39 x L/R: 60.63	L/R: 724 x L/R: 594 x L: 1540 R: 1180 L/R: 28.50 x L/R: 23.39 x L: 60.63 R: 46.46	L/R: 724 x L/R: 594 x L/R: 1180 L/R: 28.50 x L/R: 23.39 x L/R: 46.46
820 1807.8	844 1860.7	866 1909.2
2 drums	2 drums	2 drums
–	1 drum	1 drum
on request	on request	on request
29-51777-013	29-51777-013	–
29-51777-213	29-51777-213	–
see programme section 9	see programme section 9	see programme section 9
–	29-50977-069	29-50977-069

Accessories - varied and flexible

Adapt the cabinets of the COMPACT line to your requirements even better with the large variety of accessories offered. To make your workplace more efficient and safer.



Exhaust air systems

Monitoring exhaust air systems help prevent explosion risks in work areas, see programme section 7.



Heavy load drawer

with safety locking for 200 litre (52.83 gal) drums in light grey RAL 7035.



Drum lifter

for picking up and transporting 200 l (52.83 gal) drums. Ideally in connection with heavy load drawer, see programme section 9.



Pipe penetration

Safety storage cabinets can be adapted to your requirements by incorporating additional penetrations for pipes, hoses and cables.



Platform lift

Ideal for lifting and transporting of drums and canisters when used in conjunction with a transport unit with rollers.



Transport unit with rollers

with arrest system for easy intake of drums and canisters.



Cabi2Net

for central control of work processes. Configuration according to individual requirements.



Absorber cloths

Absorber cloths are specially designed for use with chemicals and are thus ideal for picking up spilled hazardous substances.

Accessories

Cabi2Net
Pipe penetration (reclosable)
Pipe penetration
Red-Box

Ref. no.

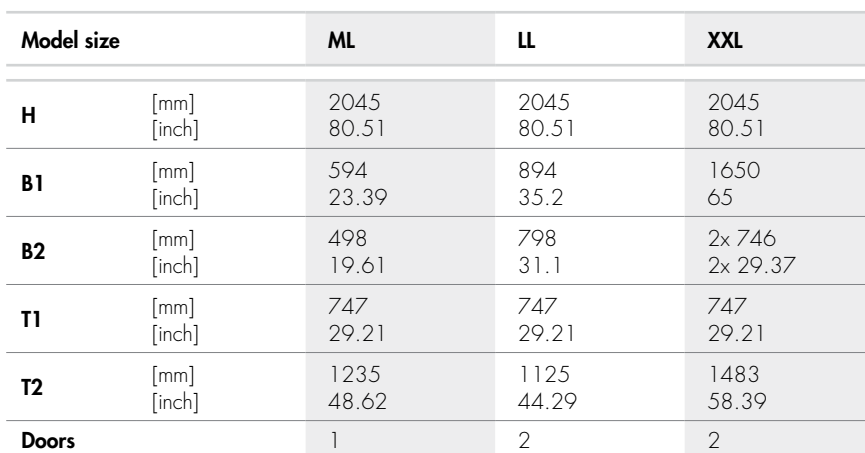
on request
on request
29-70000-048
2.233.04

Optional extras

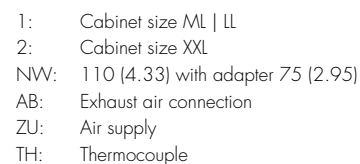
Drum lifter with quick lift, load bearing capacity 300 kg (661.39 lbs) for 200 litre (52.83 gal) drum
Platform lift, load bearing capacity 100 kg (220.46 lbs)
Transport unit with rollers - left right
Transport unit with rollers and additional front rollers - left right
Centering tabs for transport unit
Earthing cable with crocodile clip
Exhaust air system or ventilator
Safety container
Absorber

1.31.045*
1.31.050
1.31.051 1.31.052
1.31.053 1.31.054
1.31.055
1.806.63
see programme section 7 or at www.dueperthal.com
see programme section 8 or at www.dueperthal.com
see programme section 10 or at www.dueperthal.com

Technical details - COMPACT line



Top view - more details

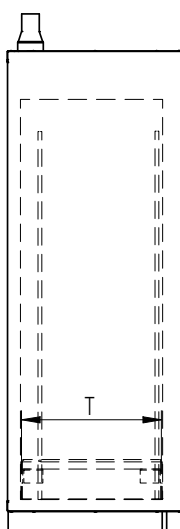
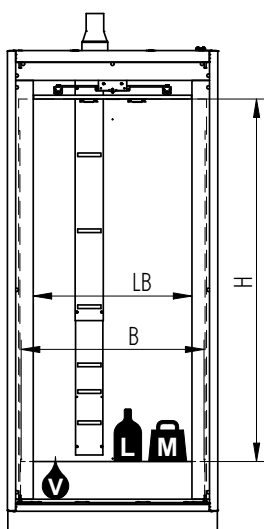


Tech specs COMPACT line – Drum cabinets

Technical details | Adjustable heights - COMPACT line

Front view

Side view



1.4

Model size		ML	LL - V1	LL - V2	XXL - V1 (CPW)	XXL - V2 (CPW)	XXL - V3 (CPW)
B	[mm] [inch]	479 18.86	776 30.55	776 30.55	2x 724 2x 28.5	2x 724 2x 28.5	2x 724 2x 28.5
LB	[mm] [inch]	374 14.72	674 26.54	674 26.54	2x 684 2x 26.93	2x 684 2x 26.93	2x 684 2x 26.93
H	[mm] [inch]	1540 60.63	1540 60.63	1180 46.46	1540 60.63	1540 1180 60.63 46.46	1180 46.46
T	[mm] [inch]	594 23.39	594 23.39	594 23.39	594 23.39	594 23.39	594 23.39
M	[kg] [lbs]	250 551.16	250 551.16	250 551.16	250 551.16	250 551.16	250 551.16
L	[l] [gal]	60 15.85	60 15.85	200 52.83	60 15.85	60 200 15.85 52.83	200 52.83
V	[l] [gal]	66 17.44	66 17.44	220 58.12	66 17.44	66 220 17.44 58.12	220 58.12
Tare weight	[kg] [lbs]	325 716.5	400 881.85	424 934.76	820 1807.8	844 1860.7	866 1909.2
Max. additional load	[kg] [lbs]	360 793.66	360 793.66	360 793.66	2x 360 2x 793.66	2x 360 2x 793.66	2x 360 2x 793.66

- B:** Inner width of standing surface, in millimetres
LB: Clear width (doors), in millimetres
H: Inner height (maximum container height), in millimetres
T: Inner depth of standing surface, in millimetres
M: Load bearing capacity per storage shelf (uniformly distributed), in kilograms
L: Maximum volume of the largest individual container, in litres
V: Max. collection volume, in litres
CPW: (with) centre partition wall

UTS ergo line® | BENCH line

1.5



Safety storage cabinets for under-benches



Your added advantage with the
UTS ergo line® and BENCH line!

» **Health**

Ideal layout of ventilation ensures an optimised air exchange.

» **Safety**

In case of fire, a thermocouple automatically initiates the uninterrupted closing of the doors.

» **Working safety**

Equipotential bonding saddles as a standard on the cabinet help to prevent spark formation.

The safety storage cabinets of the UTS ergo line and BENCH line are specially constructed for the storage of hazardous substances close to where they are needed. With the UTS ergo line and BENCH line, all containers are always safely stored and at your fingertips when you need them.

1.5



1 Push-to-open wing doors

Very easy-moving push-to-open wing doors can be opened by light pressure on the front.

2 One-hand wing door technology

The wing doors can be opened comfortably with minimal effort using a single handle and the pull-out tray comes out automatically.

3 Ventilation

Optimal layout of ventilation and exhaust valves for visual inspection. Efficient air flow system results in low energy consumption and lowers ongoing operating costs.

4 Floor extraction

Permanent floor extraction through slotted base. This ensures that vapours collecting at the bottom of the cabinet are safely removed and passed to the exhaust air system.

5 PP inserts

PP inserts for the bottom tray and the pull-out tray are perfect for collecting small leakages.

6 Roller set

Roller set available for all base variants with which the UTS ergo line can be installed more easily into existing equipment.

UTS ergo line® | BENCH line – Type 90 at a glance

UTS ergo S and ST with pull-out tray or bottom tray

Dimensions [mm] [inch]		
Width	Depth	Height
600	593	631
23.62	23.35	24.84



UTS ergo ST



UTS ergo S

Max. volume of largest individual container [l]/[gal]	12/3.17	10/2.64
-------------------------------------------------------	---------	---------

UTS ergo M and MT with pull-out tray or bottom tray

Dimensions [mm] [inch]		
Width	Depth	Height
888	593	631
34.96	23.35	24.84



UTS ergo MT

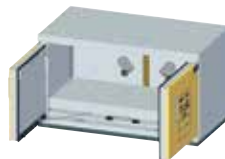


UTS ergo M

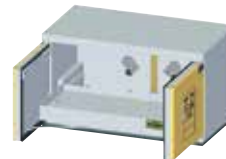
Max. volume of largest individual container [l]/[gal]	19/5.02	16/4.23
-------------------------------------------------------	---------	---------

UTS ergo L, LT and LD with pull-out tray or bottom tray

Dimensions [mm] [inch]		
Width	Depth	Height
1100	593	631
43.31	23.35	24.84



UTS ergo LT



UTS ergo L



UTS ergo LD

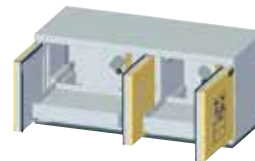
Max. volume of largest individual container [l]/[gal]	24/6.34	21/5.54	10/2.64
-------------------------------------------------------	---------	---------	---------

UTS ergo XL, XLT with pull-out tray or bottom tray

Dimensions [mm] [inch]		
Width	Depth	Height
1400	593	631
55.12	23.35	24.84



UTS ergo XLT



UTS ergo XL

Max. volume of largest individual container [l]/[gal]	19/5.02	15/3.96
-------------------------------------------------------	---------	---------

BENCH ST and S with pull-out tray or bottom tray

Dimensions [mm] [inch]		
Width	Depth	Height
601	594	805
23.66	23.39	31.69



BENCH ST



BENCH S

Max. volume of largest individual container [l]/[gal]	12/3.17	10/2.64
-------------------------------------------------------	---------	---------

UTS ergo S-5 and ST-5 with pull-out tray or bottom tray

Dimensions [mm] [inch]		
Width	Depth	Height
600	493	631
23.62	19.41	24.84



UTS ergo S-5



UTS ergo ST-5

Max. volume of largest individual container [l]/[gal]	8/2.11	9/2.38
-------------------------------------------------------	--------	--------

1.5

UTS ergo M-5 and MT-5 with pull-out tray or bottom tray

Dimensions [mm] [inch]		
Width	Depth	Height
888	493	631
34.96	19.41	24.84



UTS ergo M-5



UTS ergo MT-5

Max. volume of largest individual container [l]/[gal]	11/2.91	14/3.7
-------------------------------------------------------	---------	--------

UTS ergo L-5, LT-5 and LD-5 with pull-out tray or bottom tray

Dimensions [mm] [inch]		
Width	Depth	Height
1100	493	631
43.31	19.41	24.84



UTS ergo L-5



UTS ergo LT-5

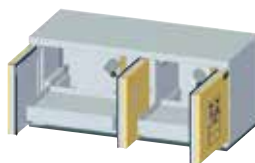


UTS ergo LD-5

Max. volume of largest individual container [l]/[gal]	16/4.23	19/5.02	7/1.85
-------------------------------------------------------	---------	---------	--------

UTS ergo XL-5 and XLT-5 with pull-out tray or bottom tray

Dimensions [mm] [inch]		
Width	Depth	Height
1400	493	631
55.12	19.41	24.84



UTS ergo XL-5



UTS ergo XLT-5

Max. volume of largest individual container [l]/[gal]	11/2.91	14/3.7
-------------------------------------------------------	---------	--------

UTS ergo line® – Type 90

Depth 600 mm | 500 mm

23.63 inch | 19.96 inch

The safety storage cabinets in the UTS ergo line are the ideal solution for fire resistant storage of flammable liquids close to where they are needed – under the worktop. Configure your own custom storage solution from the various sizes and varied optional extras offered by the range.



UTS ergo ST -
Depth 600 mm/23.62 inch
UTS ergo ST-5 -
Depth 500 mm/19.96 inch



UTS ergo S -
Depth 600 mm/23.62 inch
UTS ergo S-5 -
Depth 500 mm/19.96 inch



UTS ergo MT -
Depth 600 mm/23.62 inch
UTS ergo MT-5 -
Depth 500 mm/19.96 inch



UTS ergo M -
Depth 600 mm/23.62 inch
UTS ergo M-5 -
Depth 500 mm/19.96 inch



UTS ergo LT -
Depth 600 mm/23.62 inch
UTS ergo LT-5 -
Depth 500 mm/19.96 inch



UTS ergo L -
Depth 600 mm/23.62 inch
UTS ergo L-5 -
Depth 500 mm/19.96 inch



UTS ergo LD -
Depth 600 mm/23.62 inch
UTS ergo LD-5 -
Depth 500 mm/19.96 inch



UTS ergo XLT -
Depth 600 mm/23.62 inch
UTS ergo XLT-5 -
Depth 500 mm/19.96 inch



UTS ergo XL -
Depth 600 mm/23.62 inch
UTS ergo XL-5 -
Depth 500 mm/19.96 inch



BENCH line – Type 90

Depth 600 mm

23.62 inch

1.5

The compact safety storage cabinets of the BENCH line are ideal for the fire-protected storage of larger containers of flammable liquids under the worktop. Attain maximum flexibility with the varied optional extras.

**BENCH ST****BENCH S****Interior fittings:**

- » Bottom trays and pull-out trays optionally made of powder-coated sheet steel or stainless steel.

Construction:

- » Wing doors, powder-coated sheet steel.
- » The doors are generally right-hinged for one-door cabinets. A left-hung door can be delivered on request for no additional charge.
- » Outer carcass, powder-coated sheet steel.
- » Inner carcass made of high-quality decor panels.

Colour standard version:

- » Wing doors in zinc yellow RAL 1018.
- » Carcass completely in light grey RAL 7035.
- » Base in slate grey RAL 7015.
- » Individual colours possible.

**Golden yellow
RAL 1004****Light grey
RAL 7035****Zinc yellow
RAL 1018****Pure white
RAL 9010**

Ordering information



Ref. no.

with classical door technology

with push-to-open technology

Details

Dimensions

Width	[mm] [inch]
Depth	[mm] [inch]
Height (classical)	[mm] [inch]
Height (ToeKick)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[400 ml/11 oz] [1,0 l/0.26 gal] [1,0 l/0.26 gal] [2.5 l/0.66 gal]
------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings	Material
Interior fittings	Stainless steel
Pull-out tray	Sheet steel
Insert for pull-out tray/ bottom tray	PP
Anti-slip mat	Rubber
Classical base 85 mm/3.35 inch (instead of 35 mm/1.38 inch)	
ToeKick base 85 mm/3.35 inch	
Roller set	

UTS ergo ST

with bottom tray

29-060667-001

29-060669-001

1 bottom tray,
1 perforated sheet insert and
classical 35 mm (1.38 inch) base

Outer	Inner
600 23.62	503 19.8
593 23.35	463 18.23
631 24.84	480 18.9
681 26.81	480 18.9
106 233.69	

UTS ergo S

with pull-out tray

29-060667-003

29-060669-003

1 pull-out tray,
1 perforated sheet insert and
classical 35 mm (1.38 inch) base

Outer	Inner
600 23.62	503 19.8
593 23.35	463 18.23
631 24.84	480 18.9
681 26.81	480 18.9
110 242.51	

45	spray cans
16	cans
20	glass lab bottles
7	glass lab bottles

38	spray cans
14	cans
7	glass lab bottles
7	glass lab bottles

29-10660-260

–

29-10660-314

29-10660-514

29-10660-084

29-10660-085

29-10900-011

29-10661-261

29-10661-119

29-10661-314

29-10661-514

29-10660-084

29-10660-085

29-10900-011

Other accessories on page 126. Other technical details and dimensions from page 128 onwards.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



1.5

UTS ergo MT	UTS ergo M	UTS ergo LT	UTS ergo L
with bottom tray	with pull-out tray	with bottom tray	with pull-out tray

29-060967-001	29-060967-003	29-061167-001	29-061167-003
29-060969-001	29-060969-003	29-061169-001	29-061169-003

1 bottom tray, 1 perforated sheet insert and classical 35 mm (1.38 inch) base	1 pull-out tray, 1 perforated sheet insert and classical 35 mm (1.38 inch) base	1 bottom tray, 1 perforated sheet insert and classical 35 mm (1.38 inch) base	1 pull-out tray, 1 perforated sheet insert and classical 35 mm (1.38 inch) base
-------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------

Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
888 34.96	790 31.1	888 34.96	790 31.1	1100 43.31	1003 39.49	1100 43.31	1003 43.31
593 23.35	463 18.23	593 23.35	463 18.23	593 23.35	463 18.23	593 23.35	463 18.23
631 24.84	480 18.9	631 24.84	480 18.9	631 24.84	480 18.9	631 24.84	480 18.9
681 26.81	480 18.9	681 26.81	480 18.9	681 26.81	480 18.9	681 26.81	480 18.9

141 310.85	149 328.49	169 372.58	182 401.24
---------------	---------------	---------------	---------------

74 spray cans 26 cans 31 glass lab bottles 13 glass lab bottles	61 spray cans 22 cans 25 glass lab bottles 9 glass lab bottles	94 spray cans 33 cans 40 glass lab bottles 18 glass lab bottles	82 spray cans 29 cans 34 glass lab bottles 15 glass lab bottles
--------------------------------------------------------------------------	-------------------------------------------------------------------------	--------------------------------------------------------------------------	--------------------------------------------------------------------------

29-10960-260	29-10961-261	29-11160-260	29-11161-261
–	29-10961-119	–	29-11161-119
29-10960-314	29-10961-314	29-11160-314	29-11161-314
29-10960-514	29-10961-514	29-11160-514	29-11161-514
29-10960-084	29-10960-084	29-11160-084	29-11160-084
29-10960-085	29-10960-085	29-11160-085	29-11160-085
29-10900-011	29-10900-011	29-11400-011	29-11400-011

Ordering information



Ref. no.

with classical door technology

with push-to-open technology

Details

Dimensions

Width	[mm] [inch]
Depth	[mm] [inch]
Height (classical)	[mm] [inch]
Height (ToeKick)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[400 ml/11 oz] [1,0 l/0.26 gal] [1,0 l/0.26 gal] [2.5 l/0.66 gal]
------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings	Material
Interior fittings	Stainless steel
Pull-out tray	Sheet steel
Shelf	Sheet steel
Insert for pull-out tray/ bottom tray	PP
Anti-slip mat	Rubber
Classical base 85 mm/3.35 inch (instead of 35 mm/1.38 inch)	
ToeKick base 85 mm/3.35 inch	
Roller set	

UTS ergo LD

with pull-out tray

29-061167-005

29-061169-005

2 pull-out trays,
2 perforated sheet inserts
and classical base 35 mm (1.38 inch)

Outer	Inner
1100 43.31	L: 490 R: 490 19.3 19.3
593 23.35	463 18.23
631 24.84	480 18.9
681 26.81	480 18.9

187
412.26

38/38	spray cans
14/14	cans
17/17	glass lab bottles
6/6	glass lab bottles

UTS ergo XLT

with bottom tray

29-061467-001

29-061469-001

2 bottom trays,
2 perforated sheet insert and
classical base 35 mm (1.38 inch)

Outer	Inner
1400 55.12	L: 790 R: 490 31.1 19.3
593 23.35	463 18.23
631 24.84	480 18.9
681 26.81	480 18.9

220
485.02

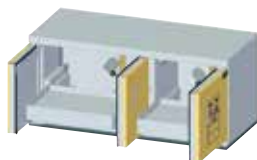
74/44	spray cans
26/17	cans
31/20	glass lab bottles
13/8	glass lab bottles

29-11163-261	29-11460-260
L: 29-11163-119L R: 29-11163-119	–
–	–
L: 29-11163-314L R: 29-11163-314	L: 29-11460-314L R: 29-11460-314
29-11163-514	L: 29-11460-514L R: 29-11460-514
29-11160-084	29-11460-084
29-11160-085	29-11460-085
29-11400-011	29-11400-011

Other accessories on page 126. Other technical details and dimensions from page 128 onwards.



Tested safety at a very high level including:



UTS ergo XL

with pull-out tray

29-061467-005

29-061469-005

2 pull-out trays,
2 perforated sheet inserts
and classical base 35 mm (1.38 inch)

Outer	Inner
1400 55.12	L: 790 R: 490 31.1 19.3

593
23.35

463
18.23

631
24.84

480
18.9

681
26.81

480
18.9

232
511.47

56/38 spray cans
20/14 cans
23/17 glass lab bottles
9/6 glass lab bottles



BENCH ST

with bottom tray

29-080667-001

29-080669-001

1 bottom tray,
1 perforated sheet insert and
classical base 35 mm (1.38 inch)

Outer	Inner
601 23.67	503 19.8

594
23.39

463
18.23

805
31.7

655
25.78

855
33.66

655
25.78

132
291.01

45 spray cans
16 cans
20 glass lab bottles
7 glass lab bottles



BENCH S

with pull-out tray

29-080667-003

29-080669-003

1 pull-out tray,
1 perforated sheet insert and
classical base 35 mm (1.38 inch)

Outer	Inner
601 23.67	503 19.8

594
23.39

463
18.23

805
31.7

655
25.78

855
33.66

655
25.78

120
264.55

38 spray cans
14 cans
17 glass lab bottles
7 glass lab bottles

1.5

29-11463-261

L: 29-11463-119L
R: 29-11163-119

–

L: 29-11463-314L
R: 29-11163-314

L: 29-11463-514L
R: 29-11163-514

29-11460-084

29-11460-085

29-11400-011

on request

–

29-20660-120

29-10660-314

29-10660-514

29-10660-084

29-10660-085

29-10900-011

on request

29-20661-119

–

29-10661-314

29-10661-514

29-10660-084

29-10660-085

29-10900-011

Ordering information



Ref. no.

with classical door technology

with push-to-open technology

Details

Dimensions

Width	[mm] [inch]
Depth	[mm] [inch]
Height (classical)	[mm] [inch]
Height (ToeKick)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[400 ml/11 oz] [1,0 l/0.26 gal] [1,0 l/0.26 gal] [2.5 l/0.66 gal]
------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings Material

Interior fittings	Stainless steel
Pull-out tray	Sheet steel
Insert for pull-out tray/ bottom tray	pp
Anti-slip mat	Rubber
Classical base 85 mm/3.35 inch (instead of 35 mm/1.38 inch)	
ToeKick base 85 mm/3.35 inch	
Roller set	

UTS ergo ST-5

with bottom tray

29-060657-001

29-060659-001

1 bottom tray,
1 perforated sheet insert and
classical 35 mm (1.38 inch) base

Outer	Inner
600 23.62	503 19.8
493 19.41	363 14.29
631 24.84	480 18.9
681 26.81	480 18.9
99 218.26	

UTS ergo S-5

with pull-out tray

29-060657-003

29-060659-003

1 pull-out tray,
1 perforated sheet insert and
classical 35 mm (1.38 inch) base

Outer	Inner
600 23.62	503 19.8
493 19.41	363 14.29
631 24.84	480 18.9
681 26.81	480 18.9
101 222.67	

35 spray cans
13 cans
15 glass lab bottles
5 glass lab bottles

28 spray cans
9 cans
11 glass lab bottles
4 glass lab bottles

29-10650-260

–

29-10650-314

29-10650-514

29-10650-084

29-10650-085

29-10900-011

29-10651-261

29-10651-119

29-10651-314

29-10651-514

29-10650-084

29-10650-085

29-10900-011

Other accessories on page 126. Other technical details and dimensions from page 128 onwards.



Tested safety at a very high level including:



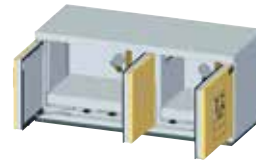
DIN EN 14470-1
DIN EN 14727



1.5

UTS ergo MT-5		UTS ergo M-5		UTS ergo LT-5		UTS ergo L-5	
with bottom tray		with pull-out tray		with bottom tray		with pull-out tray	
29-060957-001		29-060957-003		29-061157-001		29-061157-003	
29-060959-001		29-060959-003		29-061159-001		29-061159-003	
1 bottom tray, 1 perforated sheet insert and classical 35 mm (1.38 inch) base		1 pull-out tray, 1 perforated sheet insert and classical 35 mm (1.38 inch) base		1 bottom tray, 1 perforated sheet insert and classical 35 mm (1.38 inch) base		1 pull-out tray, 1 perforated sheet insert and classical 35 mm (1.38 inch) base	
Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
888 34.96	790 31.1	888 34.96	790 31.1	1100 43.31	1003 39.49	1100 43.31	1003 43.31
493 19.41	363 14.29	493 19.41	363 14.29	493 19.41	363 14.29	493 19.41	363 14.29
631 24.84	480 18.9	631 24.84	480 18.9	631 24.84	480 18.9	631 24.84	480 18.9
681 26.81	480 18.9	681 26.81	480 18.9	681 26.81	480 18.9	681 26.81	480 18.9
134 295.42		137 302.03		161 354.9		168 370.37	
56 spray cans 19 cans 24 glass lab bottles 10 glass lab bottles		45 spray cans 16 cans 21 glass lab bottles 7 glass lab bottles		70 spray cans 25 cans 31 glass lab bottles 12 glass lab bottles		61 spray cans 22 cans 29 glass lab bottles 10 glass lab bottles	
29-10950-260		29-10951-261		29-11150-260		29-11151-261	
–		29-10951-119		–		29-11151-119	
29-10950-314		29-10951-314		29-11150-314		29-11151-314	
29-10950-514		29-10951-514		29-11150-514		29-11151-514	
29-10950-084		29-10950-084		29-11150-084		29-11150-084	
29-10950-085		29-10950-085		29-11150-085		29-11150-085	
29-10900-011		29-10900-011		29-11400-011		29-11400-011	

Ordering information



Ref. no.

with classical door technology

with push-to-open technology

Details

Dimensions

Width	[mm] [inch]
Depth	[mm] [inch]
Height (classical)	[mm] [inch]
Height (ToeKick)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size (L/R)	[400 ml/11 oz] [1,0 l/0.26 gal] [1,0 l/0.26 gal] [2.5 l/0.66 gal]
------------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings	Material
Interior fittings	Stainless steel
Pull-out tray	Sheet steel
Insert for pull-out tray/ bottom tray	PP
Anti-slip mat	Rubber
Classical base 85 mm/3.35 inch (instead of 35 mm/1.38 inch)	
ToeKick base 85 mm/3.35 inch	
Roller set	

UTS ergo LD-5

with pull-out tray

29-061157-005

29-061159-005

2 pull-out trays,
2 perforated sheet inserts
and classical 35 mm (1.38 inch) base

Outer	Inner
1100 43.31	L: 490 R: 490 19.3 19.3
493 19.41	363 14.29
631 24.84	480 18.9
681 26.81	480 18.9

173
381.4

UTS ergo XLT-5

with bottom tray

29-061457-001

29-061459-001

2 bottom trays,
2 perforated sheet inserts and
classical 35 mm (1.38 inch) base

Outer	Inner
1400 55.12	L: 790 R: 490 31.1 19.3
493 19.41	363 14.29
631 24.84	480 18.9
681 26.81	480 18.9

211
465.18

26/26	spray cans
9/9	cans
11/11	glass lab bottles
4/4	glass lab bottles

56/35	spray cans
19/13	cans
24/15	glass lab bottles
10/5	glass lab bottles

29-11153-261

L: 29-11153-119L
R: 29-11153-119

L: 29-11153-314L
R: 29-11153-314

29-11153-514

29-11150-084

29-11150-085

29-11400-011

29-11450-260

–

L: 29-11450-314L
R: 29-11450-314

L: 29-11450-514L
R: 29-11450-514

29-11450-084

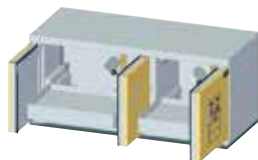
29-11450-085

29-11400-011

Other accessories on page 126. Other technical details and dimensions from page 128 onwards.



Tested safety at a very high level including:



1.5

UTS ergo XL-5	
with pull-out tray	
29-061457-005	
29-061459-005	
2 pull-out trays, 2 perforated sheet inserts and classical 35 mm (1.38 inch) base	
Outer	Inner
1400 55.12	L: 790 R: 490 31.1 19.3
493 19.41	363 14.29
631 24.84	480 18.9
681 26.81	480 18.9
223 491.63	
42/26	spray cans
15/9	cans
20/11	glass lab bottles
6/4	glass lab bottles
29-11453-261	
L: 29-11453-119L R: 29-11153-119	
L: 29-11453-314L R: 29-11153-314	
L: 29-11453-514L R: 29-11153-514	
29-11450-084	
29-11450-085	
29-11400-011	

Accessories - varied and flexible

Choose from the great variety of optional extras the best suited items for your laboratory. Create your own individual work environment tailored to your requirements and work processes.



Exhaust air systems

Monitoring exhaust air systems help prevent explosion risks in work areas, see programme section 7.



Pipe penetration

Safety storage cabinets can be adapted to your requirements by incorporating additional penetrations for pipes, hoses and cables.



Earthing cables

Through the equipotential bonding saddles on the cabinet as a standard and an additional earthing cable with crocodile clip in the interior, conductive containers can be directly connected to the earthing cable as per TRGS 727.



Anti-slip mat

Anti-slip mats can prevent containers from inadvertently slipping. So everything stays where it belongs (see additional interior fittings).



ToeKick base

for ergonomic working. The user can easily use the worktop above the UTS ergo line and BENCH line, protecting their back (see additional interior fittings).



Roller set

The under-bench cabinet is optionally available with a roller set. This facilitates integration into existing equipment.



Transport trolley

in conductive design with antistatic rollers to safely transport hazardous substances.



VisiCon safety container

with integrated sight glass and measuring scale.

Accessories - UTS ergo line® BENCH line	Ref. no.
Locking systems:	
Cylinder lock	included
Lock with profile half-cylinder	on request
MPS-1 with automatic locking system	50-30000-920
Additional interior fittings	
Earthing cable with crocodile clip	1.806.63
Pipe penetration (reclosable)	on request
Pipe penetration	29-70000-048
Optional extras	
Transport trolley for flammable media	7.02.100
VisiCon - safety container, 1 litre (0.26 gal) 2 litre (0.53 gal)	5.90.001 5.90.002
Exhaust air system or ventilator	see programme section 7 or at www.dueperthal.com
Safety container	see programme section 8 or at www.dueperthal.com
Absorber	see programme section 10 or at www.dueperthal.com

Tech specs UTS ergo line® – Depth 600 mm/23.62 inch

Max. container height [mm]
[inch]

Interior fittings		Interior fittings with additional pull-out tray	
Pull-out tray with perforated sheet insert	340 13.39	from pull-out tray with perforated sheet insert up to bottom edge of additional pull-out tray	190 7.48
Pull-out tray	404 15.91	from pull-out tray without perforated sheet insert up to bottom edge of additional pull-out tray	200 7.87
Bottom tray with perforated sheet insert	386 15.2	from addit. pull-out tray to cabinet roof	190 7.48
Bottom tray	450 17.72		

Technical details - UTS ergo line - Depth 600 mm/23.62 inch

Model size			ST	S	MT	M	LT	L	LD left right	XLT left right	XL left right
Load bearing capacity with uniformly distributed load (maximum load capacity/shelf)	[kg] [lbs]	Bottom tray	60 132	–	60 132	–	60 132	–	–	60 60 132 132	–
		Pull-out tray	–	45 99	–	45 99	–	45 99	45 45 99 99	–	45 45 99 99
Maximum volume of the largest individual container which may be stored in the cabinet	[l] [gal]	Bottom tray	12 3.2	10 2.6	19 5	16 4.2	24 6.3	21 5.5	10 10 2.6 2.6	19 12 5 3.2	15 10 3.9 2.6
		Pull-out tray	–	11,3 3	–	18,1 4.8	–	23,9 6.3	11 2.9	– –	16,8 11 4.4 2.9
Collection volume	[l] [gal]	Bottom tray	13,2 3.5	–	21,3 5.6	–	27,2 7.2	–	– –	21,3 13,2 5.6 3.5	– –
		Pull-out tray	–	11,3 3	–	18,1 4.8	–	23,9 6.3	11 2.9	– –	16,8 11 4.4 2.9
Base height (other base heights on request)	[mm] [inch]	with classical base	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4
		with ToeKick base	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35
Volumetric flow rate with 10-fold air exchange	approx. [m³/h] approx. [cubic ft/h]		1,1 38.8	1,1 38.8	1,7 60	1,7 60	2,2 77.7	2,2 77.7	2,2 77.7	2,7 95.3	2,7 95.3
Pressure drop in the cabinet	[Pa] [Psi]		<1	<1	<1	<1	<1	<1	<1	<1	<1

Dimensions – interior fittings [mm] - UTS ergo line - Depth 600 mm/23.62 inch

Model size	ST			S			MT			M			LT			L		
	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height
Pull-out tray	–	–	–	427 16.8	432 16.7	101 3.9	–	–	–	677 26.7	432 16.7	101 3.9	–	–	–	892 35.1	432 16.7	101 3.9
Bottom tray	494 19.5	438 17.2	64 2.5	–	–	–	781 30.7	438 17.2	64 2.5	–	–	–	994 39.1	438 17.2	64 2.5	–	–	–
Perforated sheet insert	476 18.7	420 16.5	64 2.5	–	–	–	763 30	420 16.5	64 2.5	–	–	–	976 38.4	420 16.5	64 2.5	–	–	–
Perforated sheet insert/ pull-out tray	–	–	–	413 16.2	414 16.3	64 2.5	–	–	–	659 25.9	414 16.3	64 2.5	–	–	–	847 33.3	414 16.3	64 2.5

Dimensions – interior fittings [mm] - UTS ergo line - Depth 600 mm/23.62 inch

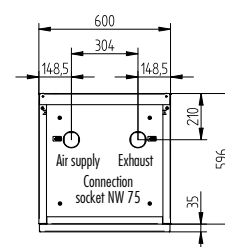
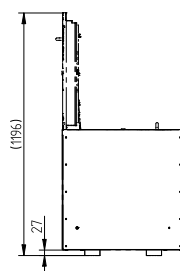
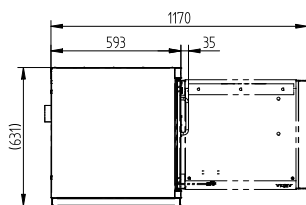
Model size	LD			XLT left right			XL left right		
	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height
Pull-out tray	416 16.4	432 16.7	101 3.9	–	–	–	631 416 24.8 16.4	432 432 16.7 16.7	101 101 3.9 3.9
Bottom tray	–	–	–	781 485 30.7 19.1	438 438 17.2 17.2	64 64 2.5 2.5	–	–	–
Perforated sheet insert	–	–	–	763 467 30 18.4	420 420 16.5 16.5	64 64 2.5 2.5	–	–	–
Perforated sheet insert/ pull-out tray	398 15.7	414 16.3	64 2.5	–	–	–	613 398 24.1 15.7	414 414 16.3 16.3	64 64 2.5 2.5

Tech specs UTS ergo line® – Depth 600 mm/23.62 inch

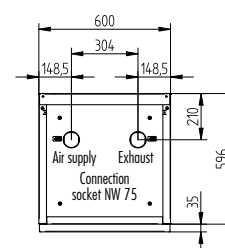
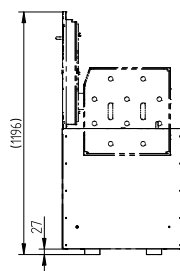
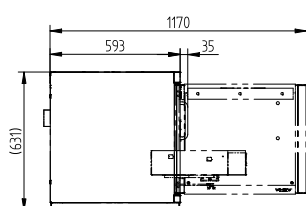
1.5

Side view	Top view	Rear view
-----------	----------	-----------

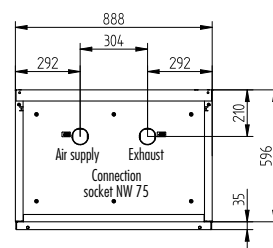
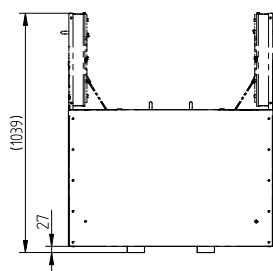
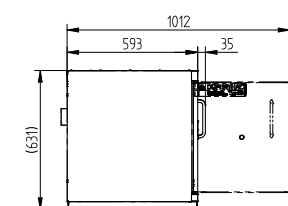
UTS ergo ST



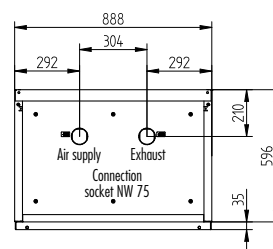
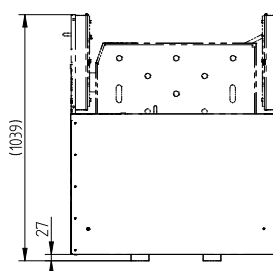
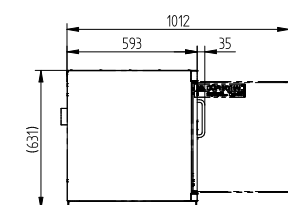
UTS ergo S



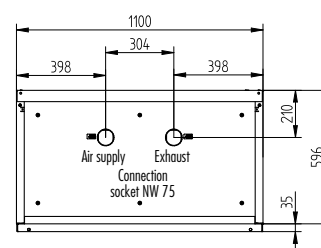
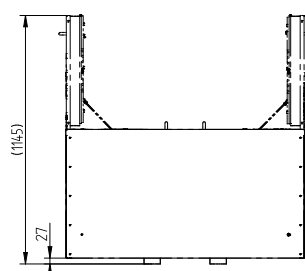
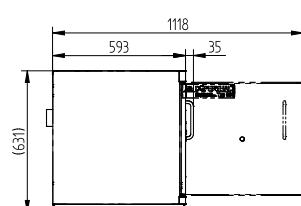
UTS ergo MT



UTS ergo M



UTS ergo LT



Tech specs UTS ergo line® – Depth 600 mm/23.62 inch

Side view	Top view	Rear view
UTS ergo L		
UTS ergo LD		
UTS ergo XLT		
UTS ergo XL		

Tech specs UTS ergo line® – Depth 500 mm/19.69 inch



Max. container height [mm]
[inch]

Interior fittings	
Pull-out tray with perforated sheet insert	340 13.39
Pull-out tray	404 15.91
Bottom tray with perforated sheet insert	386 15.2
Bottom tray	450 17.72

Interior fittings with additional pull-out tray

from pull-out tray with perforated sheet insert up to bottom edge of additional pull-out tray	190 7.48
from pull-out tray without perforated sheet insert up to bottom edge of additional pull-out tray	200 7.87
from addit. pull-out tray to cabinet roof	190 7.48

1.5

Technical details - UTS ergo line - Depth 500 mm/19.69 inch

Model size			ST-5	S-5	MT-5	M-5	LT-5	L-5	LD-5 left right	XLT-5 left right	XL-5 left right
Load bearing capacity with uniformly distributed load (maximum load capacity/shelf)	[kg] [lbs]	Bottom tray	60 132	–	60 132	–	60 132	–	–	60 60 132 132	–
		Pull-out tray	–	40 88	–	40 88	–	40 88	40 40 88 88	–	40 40 88 88
Maximum volume of the largest individual container which may be stored in the cabinet	[l] [gal]	Bottom tray	9 2.4	8 2.1	14 3.7	12 3.2	19 5	16 4.2	7 7 1.8 1.8	14 9 3.7 2.4	11 7 2.9 1.8
		Pull-out tray	–	8,9 2.3	–	13,9 3.6	–	18,3 4.8	8,4 2.2	– –	12,9 8,4 3.4 2.2
Collection volume	[l] [gal]	Bottom tray	10,4 2.7	–	16,4 4.3	–	20,9 5.5	–	– –	16,4 10,2 4.3 2.6	– –
		Pull-out tray	–	8,9 2.3	–	13,9 3.6	–	18,3 4.8	8,4 2.2	– –	12,9 8,4 3.4 2.2
Base height (other base heights on request)	[mm] [inch]	with classical base	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4
		with ToeKick base	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35
Volumetric flow rate with 10-fold air exchange	approx. [m³/h] approx. [cubic ft/h]		0,9 31.7	0,9 31.7	1,4 49.4	1,4 49.4	1,7 60	1,7 60	1,7 60	2,2 77.6	2,2 77.6
			<1	<1	<1	<1	<1	<1	<1	<1	<1

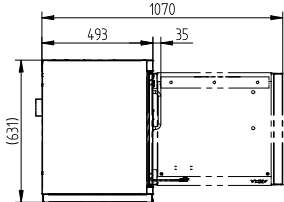
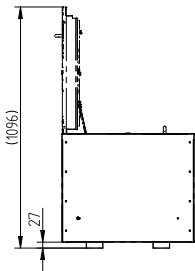
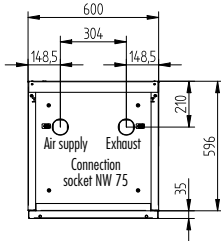
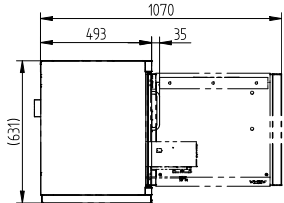
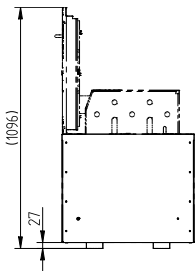
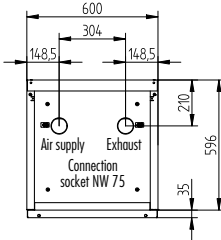
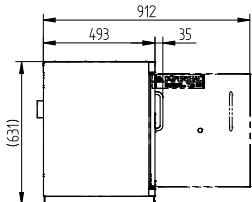
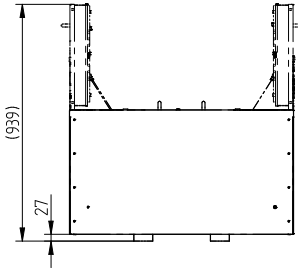
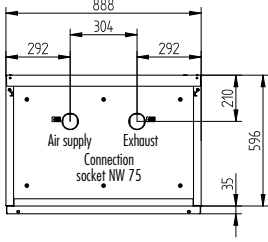
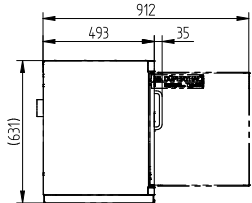
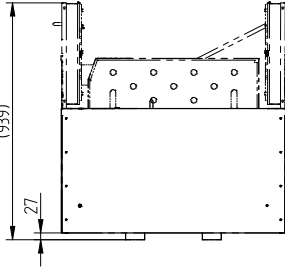
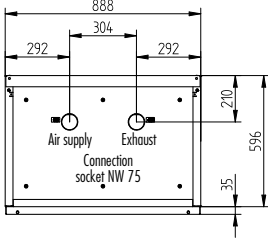
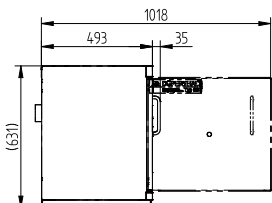
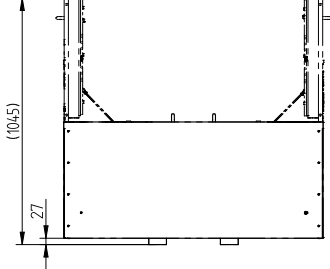
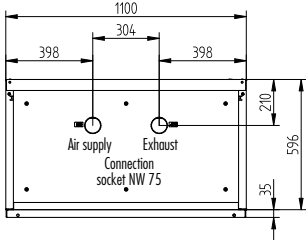
Dimensions – interior fittings [mm] - UTS ergo line - Depth 500 mm/19.69 inch

Model size	ST-5			S-5			MT-5			M-5			LT-5			L-5		
	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height
Pull-out tray	–	–	–	427 16.8	332 13.1	101 3.9	–	–	–	677 26.7	332 13.1	101 3.9	–	–	–	892 35.1	332 13.1	101 3.9
Bottom tray	494 19.4	338 13.3	64 2.5	–	–	–	781 30.7	338 13.3	64 2.5	–	–	–	994 39.1	338 13.3	64 2.5	–	–	–
Perforated sheet insert	476 18.7	320 12.6	64 2.5	–	–	–	763 30	320 12.6	64 2.5	–	–	–	976 38.4	320 12.6	64 2.5	–	–	–
Perforated sheet insert/ pull-out tray	–	–	–	413 16.2	314 12.4	64 2.5	–	–	–	659 25.9	314 12.4	64 2.5	–	–	–	847 33.3	314 12.4	64 2.5

Dimensions – interior fittings [mm] - UTS ergo line - Depth 500 mm/19.69 inch

Model size	LD-5			XLT-5 left right			XL-5 left right		
	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height
Pull-out tray	416 16.4	332 13.1	101 3.9	–	–	–	631 416 24.8 16.4	332 332 13.1 13.1	101 101 3.9 3.9
Bottom tray	–	–	–	781 485 30.7 19.1	338 338 13.3 13.3	64 64 2.5 2.5	–	–	–
Perforated sheet insert	–	–	–	763 467 30 18.4	320 320 12.6 12.6	64 64 2.5 2.5	–	–	–
Perforated sheet insert/ pull-out tray	398 15.7	314 12.4	64 2.5	–	–	–	613 398 24.1 15.7	314 314 12.4 12.4	64 64 2.5 2.5

Tech specs UTS ergo line[®] – Depth 500 mm/19.69 inch

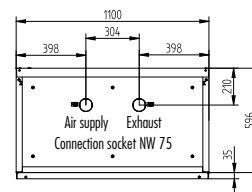
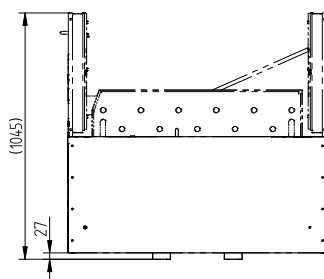
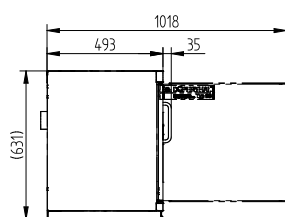
Side view	Top view	Rear view
UTS ergo ST-5		
		
UTS ergo S-5		
		
UTS ergo MT-5		
		
UTS ergo M-5		
		
UTS ergo LT-5		
		

Tech specs UTS ergo line® – Depth 500 mm/19.69 inch

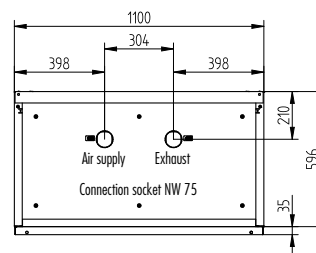
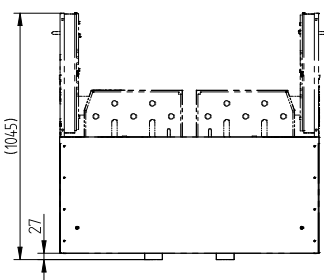
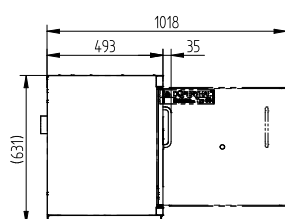
1.5

Side view	Top view	Rear view
-----------	----------	-----------

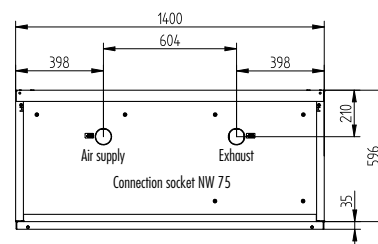
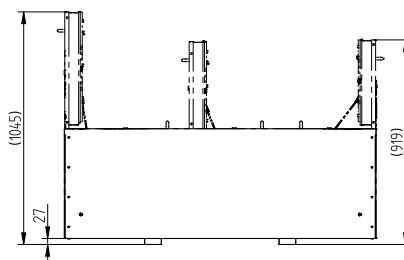
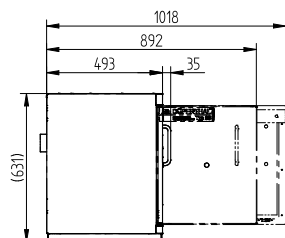
UTS ergo L-5



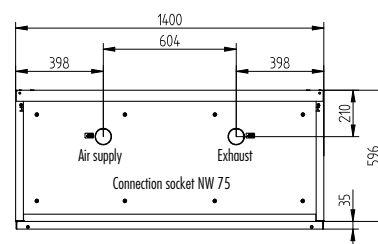
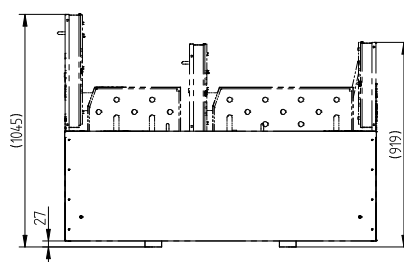
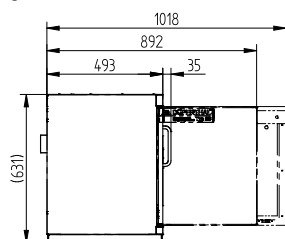
UTS ergo LD-5



UTS ergo XLT-5

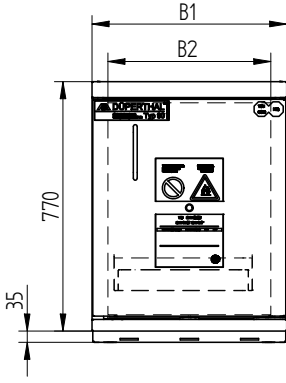
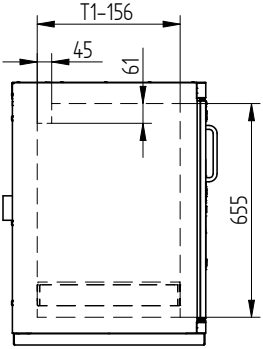
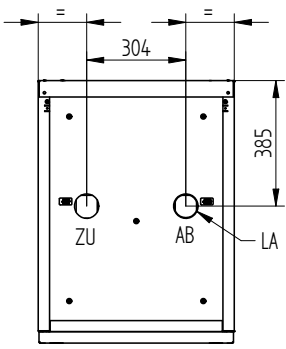
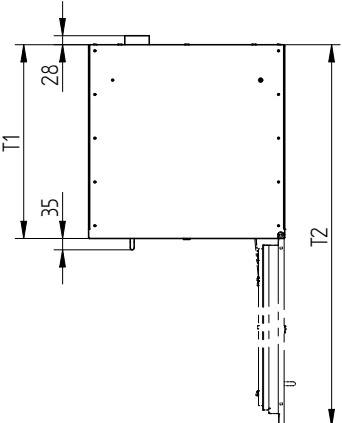


UTS ergo XL-5

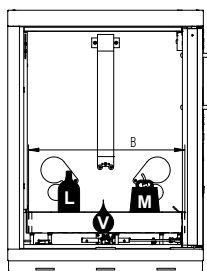
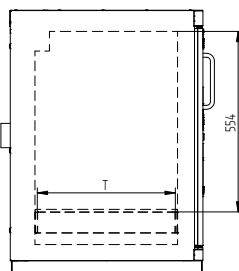


Tech specs BENCH line – ST

Technical details - BENCH line ST

Front view	Side view	Rear view																														
																																
Top view	<table><tr><th>Model size</th><th>ST</th><th>ST-5</th></tr><tr><td>B1</td><td>[mm] 601</td><td>601</td></tr><tr><td></td><td>[inch] 23.66</td><td>23.66</td></tr><tr><td>B2</td><td>[mm] 503</td><td>503</td></tr><tr><td></td><td>[inch] 19.8</td><td>19.8</td></tr><tr><td>T1</td><td>[mm] 594</td><td>494</td></tr><tr><td></td><td>[inch] 23.39</td><td>19.45</td></tr><tr><td>T2</td><td>[mm] 1170</td><td>1070</td></tr><tr><td></td><td>[inch] 46.06</td><td>42.13</td></tr><tr><td>Doors</td><td>1</td><td>1</td></tr></table> <p>LA: Connection socket NW 75 (2.95) AB: Exhaust air connection ZU: Air supply</p>		Model size	ST	ST-5	B1	[mm] 601	601		[inch] 23.66	23.66	B2	[mm] 503	503		[inch] 19.8	19.8	T1	[mm] 594	494		[inch] 23.39	19.45	T2	[mm] 1170	1070		[inch] 46.06	42.13	Doors	1	1
Model size	ST	ST-5																														
B1	[mm] 601	601																														
	[inch] 23.66	23.66																														
B2	[mm] 503	503																														
	[inch] 19.8	19.8																														
T1	[mm] 594	494																														
	[inch] 23.39	19.45																														
T2	[mm] 1170	1070																														
	[inch] 46.06	42.13																														
Doors	1	1																														
																																

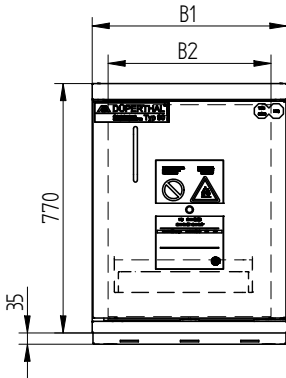
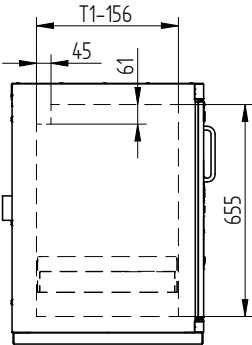
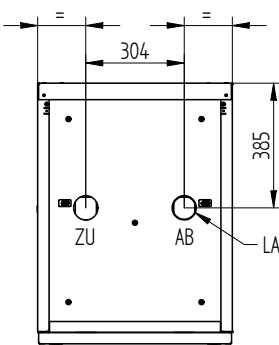
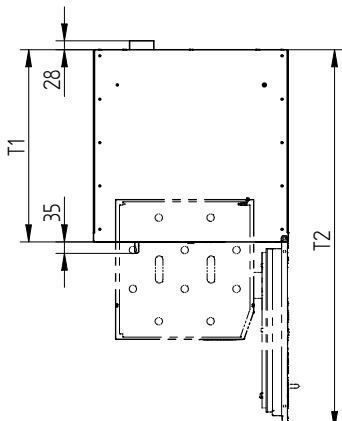
Dimensions | adjustable heights - BENCH line ST

Front view	Side view	Model size	ST	ST-5
		B	[mm] 480	480
			[inch] 18.9	18.9
		T	[mm] 424	324
			[inch] 16.7	12.76
		M	[kg] 60	60
			[lbs] 132.28	132.28
		L	[l] 12	9
			[gal] 3.17	2.38
		V	[l] 13,2	10,4
			[gal] 3.49	2.75
		Tare weight	[kg] 111	104
			[lbs] 244.71	229.28
		Max. additional load	[kg] 60	60
			[lbs] 132.28	132.28

B: Inner width of standing surface, in millimetres
T: Inner depth of standing surface, in millimetres
M: Load bearing capacity (uniformly distributed), in kilograms.
L: Maximum volume of the largest individual container, in litres
V: Max. collection volume, in litres

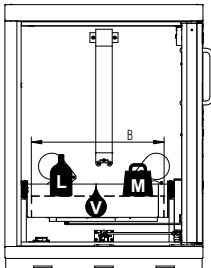
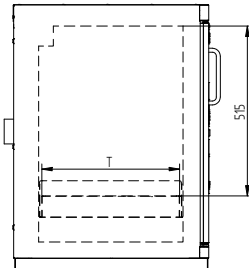
Tech specs BENCH line – S

Technical details - BENCH line S

Front view	Side view	Rear view																														
																																
Top view	<table border="1"> <thead> <tr> <th>Model size</th><th>S</th><th>S-5</th></tr> </thead> <tbody> <tr> <td>B1</td><td>[mm] 601</td><td>601</td></tr> <tr> <td></td><td>[inch] 23.66</td><td>23.66</td></tr> <tr> <td>B2</td><td>[mm] 503</td><td>503</td></tr> <tr> <td></td><td>[inch] 19.8</td><td>19.8</td></tr> <tr> <td>T1</td><td>[mm] 594</td><td>494</td></tr> <tr> <td></td><td>[inch] 23.39</td><td>19.45</td></tr> <tr> <td>T2</td><td>[mm] 1170</td><td>1070</td></tr> <tr> <td></td><td>[inch] 46.06</td><td>42.13</td></tr> <tr> <td>Doors</td><td>1</td><td>1</td></tr> </tbody> </table>		Model size	S	S-5	B1	[mm] 601	601		[inch] 23.66	23.66	B2	[mm] 503	503		[inch] 19.8	19.8	T1	[mm] 594	494		[inch] 23.39	19.45	T2	[mm] 1170	1070		[inch] 46.06	42.13	Doors	1	1
Model size	S	S-5																														
B1	[mm] 601	601																														
	[inch] 23.66	23.66																														
B2	[mm] 503	503																														
	[inch] 19.8	19.8																														
T1	[mm] 594	494																														
	[inch] 23.39	19.45																														
T2	[mm] 1170	1070																														
	[inch] 46.06	42.13																														
Doors	1	1																														
	LA: Connection socket NW 75 (2.95) AB: Exhaust air connection ZU: Air supply																															

1.5

Dimensions | adjustable heights - BENCH line S

Front view		Side view	
			

Model size		S	S-5
B	[mm]	403	403
	[inch]	15.87	15.87
T	[mm]	418	318
	[inch]	16.46	12.52
M	[kg]	45	40
	[lbs]	99.21	88.18
L	[l]	10	8
	[gal]	2.64	2.11
V	[l]	11,3	8,9
	[gal]	2.99	2.35
Tare weight	[kg]	134	115
	[lbs]	295.42	253.53
Max. additional load	[kg]	45	40
	[lbs]	99.21	88.18

B:

Inner width of standing surface, in millimetres

T:

Inner depth of standing surface, in millimetres

M

Load bearing capacity (uniformly distributed), in kilograms.

L:

Maximum volume of the largest individual container, in litres

V:

Max. collection volume, in litres

HSC line 1.6



Safety storage cabinets for combined storage in the smallest possible space



Your added advantage with the HSC UTS ergo line!

» Health

Ideal layout of ventilation ensures an optimised air exchange.

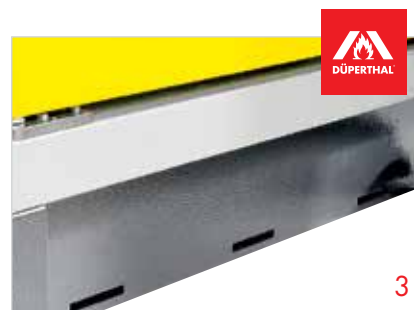
» Safety

Safe storage of various hazardous substances in the smallest space.

» Working safety

Equipotential bonding saddles as a standard on the cabinet help to prevent spark formation.

For compact storage of acids, lye and flammable liquids, we recommend the HSC UTS ergo line. Along with 90 minutes of fire protection, this versatile under-bench solution offers a new dimension of safety and comfort for your workplace.

1.6

1 Separate units

The cabinets have separate storage compartments for acids and lye and for flammable liquids, thus enabling combined storage where space is limited.

2 Ventilation

Optimal layout of ventilation and exhaust valves for visual inspection. Vapours arising from acids, lye and solvents are extracted via separate connection sockets.

3 Floor extraction

Permanent floor extraction through slotted base. Vapours collecting at the bottom of the cabinet are safely removed and passed to the exhaust air system.

4 Earthing (system)

Equipotential bonding saddles as a standard on the cabinet unit for flammable liquids help to prevent spark formation.

5 Acids and lye unit

The arrest system of the pull-out tray prevents accidental pulling out. In order to remove the pull-out tray for cleaning, it only needs to be tilted slightly.

6 One-hand wing door technology

The wing doors can be opened with minimal effort via a single handle and the pull-out tray comes out automatically.

HSC UTS ergo line[®] – Type 90

The safety storage cabinets of the HSC UTS ergo line are ideal for safe combined storage of both acids and lye as well as flammable liquids. They have varied additional functionalities which help increase safety and work comfort.



HSC UTS ergo LD



HSC UTS ergo XL

**Interior fittings:**

- » Pull-out tray and perforated sheet insert in safety storage cabinet Type 90 made optionally of powder-coated sheet steel or stainless steel.
- » Pull-out trays in the acids and lye cabinet made of polypropylene.

Construction:

- » Wing doors of the safety storage cabinet Type 90 made of powder-coated sheet steel.
- » Outer carcass, powder-coated sheet steel.
- » Inner carcass of the safety storage cabinet Type 90 made of high-quality decor panels.
- » Inner carcass of acids and lye cabinet made of polypropylene.

Colour standard version:

- » Wing doors of the safety storage cabinet in zinc yellow RAL 1018, wing doors of the acids and lye cabinet in grey white RAL 9002.
- » Carcass completely in light grey RAL 7035.
- » Base in slate grey RAL 7015.
- » Individual colours possible.

Golden yellow
RAL 1004

Light grey
RAL 7035

Zinc yellow
RAL 1018

Pure white
RAL 9010



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



Ordering information



Ref. no.

with classical door technology

Details

Dimensions

Width	[mm] [inch]
Depth	[mm] [inch]
Height (classical)	[mm] [inch]
Height (ToeKick)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size (L/R)	[400 ml/11 oz] [1.0 l/0.26 gal] [1.0 l/0.26 gal] [2.5 l/0.66 gal]
------------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings Material

Insert for pull-out tray	PP
Anti-slip mat	Rubber
Classical base 85 mm/3.35 inch (instead of 35 mm/1.38 inch)	
ToeKick base 85 mm/3.35 inch	
Roller set	

HSC UTS ergo LD

With pull-out trays

39-061167-005

2 pull-out trays, 1 perforated sheet insert
and classical 35 mm (1.38 inch) base

Outer	Inner	
1100 43.31	L: 418 R: 503 16.46 19.8	
595 23.43	L: 543 R: 463 21.38 18.23	
631 24.84	L: 501 R: 480 19.72 18.9	
681 26.81	L: 501 R: 480 19.72 18.9	
210 462.97		

HSC UTS ergo XL

With pull-out trays

39-061467-005

2 pull-out trays, 1 perforated sheet inserts
and classical 35 mm (1.38 inch) base

Outer	Inner	
1400 55.12	L: 418 R: 790 16.46 31.1	
595 23.43	L: 543 R: 463 21.38 18.23	
631 24.84	L: 501 R: 480 19.72 18.9	
681 26.81	L: 501 R: 480 19.72 18.9	
249 548.95		

39/28	spray cans
12/10	cans
14/11	glass lab bottles
7/5	glass lab bottles

39/46	spray cans
12/16	cans
14/18	glass lab bottles
7/9	glass lab bottles

29-10661-314	29-10961-314
29-10661-514	29-10961-514
29-11160-084	29-11460-084
29-11160-085	29-11460-085
29-11400-011	29-11400-011

Other accessories on page 143. Other technical details and dimensions from page 144 onwards.

Accessories - varied and flexible

Adjust the cabinets of the HSC UTS ergo line with a variety of accessories to meet your requirements even better. To make your workplace more efficient and safer.

1.6



Exhaust air systems

Monitoring exhaust air systems help prevent explosion risks in work areas, see programme section 7.



Pipe penetration

Safety storage cabinets can be adapted to your requirements by incorporating additional penetrations for pipes, hoses and cables.



Anti-slip mat

Anti-slip mats can prevent containers from inadvertently slipping. So everything stays where it belongs (see additional interior fittings).



VisiCon safety container

with integrated sight glass and measuring scale.



Earthing cables

Through the equipotential bonding saddles on the cabinet as a standard and an additional earthing cable with crocodile clip in the interior, conductive containers can be directly connected to the earthing cable as per TRGS 727.



Base

The ToeKick version of the base design for ergonomic working. Users can stand comfortably and use the worktop above the HSC UTS ergo line® cabinet, protecting their back.



Roller set

The under-bench cabinet is optionally available with a roller set. This facilitates integration into existing equipment.



Transport trolley

with antistatic rollers to safely transport hazardous substances.

Accessories

Locking systems:

Cylinder lock

Additional interior fittings

Earthing cable with crocodile clip

Pipe penetration (reclosable)

Pipe penetration

Optional extras

Transport trolley for flammable media | for acids and lye

VisiCon - safety container, 1 litre (0.26 gal) | 2 litre (0.53 gal)

Exhaust air system or ventilator

Safety container

Absorber

Ref. no.

included

1.806.63

on request

29-70000-048

7.02.100 | 7.02.200

5.90.001 | 5.90.002

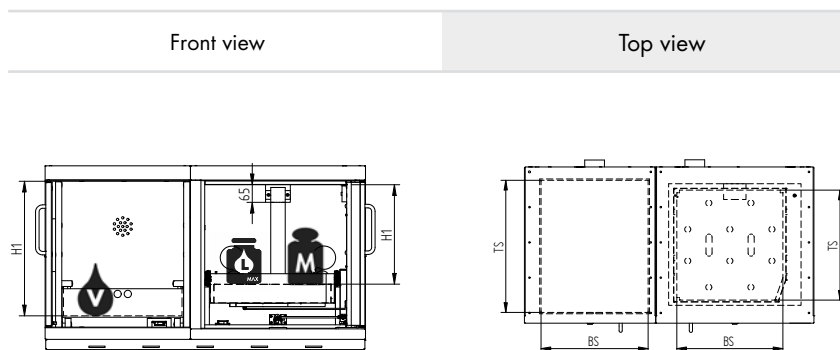
see programme section 7 or at www.dueperthal.com

see programme section 8 or at www.dueperthal.com

see programme section 10 or at www.dueperthal.com

Tech specs HSC UTS ergo line® – Type 90

Technical details | Adjustable heights - HSC UTS ergo line



1.6

Model size		S	LD
H1	[mm] [inch]	L: 462 R: 341 L: 18.19 R: 13.43	L: 462 R: 341 L: 18.19 R: 13.43
BS	[mm] [inch]	L: 407 R: 403 L: 16.02 R: 15.87	L: 407 R: 653 L: 16.02 R: 25.71
TS	[mm] [inch]	L: 502 R: 418 L: 19.76 R: 16.46	L: 502 R: 418 L: 19.76 R: 16.46
M	[kg] [lbs]	L: 20 R: 45 L: 44.09 R: 99.21	L: 20 R: 45 L: 44.09 R: 99.21
L	[l] [gal]	L/R: 10 L/R: 2.64	L: 10 R: 16 L: 2.64 R: 4.23
V	[l] [gal]	L/R: 11 L/R: 2.91	L: 11 R: 18 L: 2.91 R: 4.76
Max. additional load	[kg] [lbs]	L: 20 R: 45 L: 44.09 R: 99.21	L: 20 R: 45 L: 44.09 R: 99.21

BS: Width of standing surface, in millimetres

TS: Depth of standing surface, in millimetres

M: Load bearing capacity per storage shelf (uniformly distributed), in kilograms

L: Maximum volume of the largest individual container, in litres

V: Max. collection volume, in litres

Safety storage cabinet for combined storage



**Your added advantage with the
HSC Hazardous Substances Centre!**

» **Health**

Ventilation on each cabinet level provides optimised air exchange.

» **Safety**

Safe storage of various hazardous substances in the smallest space.

» **Working safety**

Equipotential bonding saddles as a standard on the cabinet help to prevent spark formation.

The HSC Hazardous Substances Centre by DÜPERTHAL offers a lot of room for optimal storage of acids, lye and flammable liquids with fire protection of 90 minutes.

1.6



1 Air grids

The air grids, connected to a technical exhaust air system, provide for constant air exchange.

2 Ventilation

The cabinet has two separate ventilation connection sockets (NW 75/2.95), meaning that the vapours arising from acids and lye and from solvents are extracted separately.

3 Door arrest system

As a standard, the Type 90 safety storage cabinet is fitted with a door arrest system with thermal monitoring, ensuring that the door is closed automatically in case of fire.

4 Built-in window

Substances in the storage chamber are always clearly visible through the built-in window.

5 Door stopper

Cushioned door stoppers guarantee that the doors of the acids and lye cabinet and the storage chamber close gently and with a low noise level.

6 Warning symbols

Stickers with warning symbols are included in delivery.

HSC Hazardous Substances Centre – Type 90

The HSC Hazardous Substances Centre by DÜPERTHAL offers a lot of room for optimal storage of acids, lye and flammable liquids with fire protection of 90 minutes.



HSC - Hazardous Substances Centre

Interior fittings:

- » Storage shelves and bottom tray in safety storage cabinet Type 90 made optionally of powder-coated sheet steel or stainless steel.
- » Pull-out trays of acids and lye cabinet made of polyethylene.

Colour:

- » Wing door of the safety storage cabinet in zinc yellow RAL 1018, wing doors of the acids and lye cabinet in light grey RAL 7035.
- » Carcass completely in light grey RAL 7035.
- » Base in slate grey RAL 7015.

Construction:

- » Wing door of the safety storage cabinet Type 90 made of powder-coated sheet steel.
- » Outer carcass of the safety storage cabinet Type 90 made of powder-coated sheet steel.
- » Outer carcass of the acids and lye cabinet and the storage chamber made of high-quality decor panels.
- » Inner carcass of the acids and lye cabinet and the storage chamber made of high-quality decor panels.

Golden yellow
RAL 1004

Light grey
RAL 7035

Zinc yellow
RAL 1018

Pure white
RAL 9010



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



Ordering information



1.6

HSC Hazardous Substances Centre – Type 90

Ref. no.

with classical wing door technology

39-201270-067

Details

Safety storage cabinet CLASSIC S 1: 1 storage shelf, 1 bottom tray, 1 perforated sheet insert
Acids and lye cabinet: 6 pull-out trays
Storage chamber: 1 shelf

Dimensions

Outer (width x depth x height) [mm]
[inch]

1195 x 660 x 2040
45.63 x 25.98 x 80.31

Weight [kg]
[lbs]

350
771.62

Ref. no.

Additional interior fittings	Material
Storage shelf	Sheet steel
Storage shelf	Stainless steel
Insert for storage shelf	PP
Anti-slip mat	Rubber

29-80660-114

29-80660-214

29-80660-314

29-80660-514

» Information

In Germany, our specialist carrier can assemble the hazardous substances centre at the place of use.

Accessories - varied and flexible

Adjust the HSC Hazardous Substances Centre to meet your requirements even better with a variety of accessories. To make your workplace more efficient and safer.



Exhaust air systems
Monitoring exhaust air systems help prevent explosion risks in work areas, see programme section 7.



Transport trolley
in conductive design with antistatic rollers to safely transport flammable hazardous substances.



Transport trolley
with antistatic rollers to safely transport non-flammable hazardous substances.



VisiCon safety container
with integrated sight glass and measuring scale.



Red-Box
for safely storing documents exactly where they are needed.



Absorber cloths
Absorber cloths are specially designed for use with chemicals and are thus ideal for picking up spilled hazardous substances.

Accessories	Ref. no.
Red-Box	2.233.04
Optional extras	
Transport trolley for flammable media	7.02.100
Transport trolley for acids and lye	7.02.200
VisiCon - safety container, 1 litre (0.26 gal) 2 litre (0.53 gal)	5.90.001 5.90.002
Exhaust air system or ventilator	see programme section 7 or at www.dueperthal.com
Safety container	see programme section 8 or at www.dueperthal.com
Absorber	see programme section 10 or at www.dueperthal.com

Tech specs HSC – Type 90

Technical details [kg] - HSC Hazardous Substances Centre [lbs]

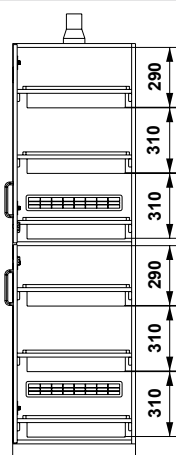
Model size		XL
Max. load bearing capacity	Pull-out tray	20
		44.1
	Storage shelf	45
		99.21

Dimensions – interior fittings/usable standing surfaces [mm] [inch]

Model size		XL		
		Width	Depth	Height
Storage shelf / safety storage cabinet		490	370	30
		19.29	14.57	1.18
Pull-out tray/acids and lye		470	400	100
		18.5	15.75	3.93
Storage chamber (per level)		560	510	275
		22.05	20.01	10.83

1.6

Adjustable heights - HSC Hazardous Substances Centre: Acids and lye cabinet



Type of container [litres] [gal]	Container height [mm] [inch]
Glass lab bottle 0,5 0.13	195 7.68
Glass lab bottle 1,0 0.26	235 9.25
Glass lab bottle 2,5 0.66	265 10.43

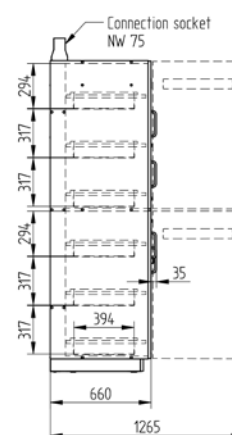
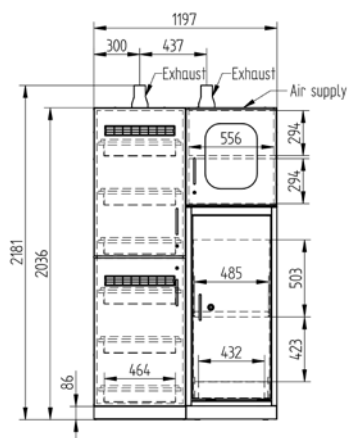
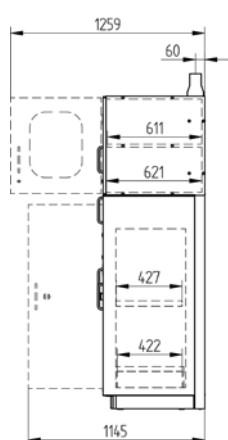
Other adjustable heights available on request.

Right side view

Front view

Left side view

HSC - Hazardous Substances Centre



ACID line 1.7



ACID line for the storage of acids and lye



Your added advantage with the ACID line!

» Health

Large air grids ensure optimised air exchange.

» Safety

All doors of the ACID line cabinets are separately lockable to provide access control and increase security.

» Working safety

Highly media-resistant safety storage cabinets for the safe storage of aggressive substances.



Not suitable for the storage of flammable liquids.

ACID line safety storage cabinets are optimised specifically for the storage of acids and lye. The varied additional functionalities of the cabinets of the ACID line increase workplace safety and comfort.

1.7



1 Moulded grips

Integrated moulded grips prevent slipping when drawing out the pull-out trays.

2 Damped closing of the doors

Cushioned door stoppers guarantee that the doors close gently and at a low noise level.

3 Ventilation

Prepared connection to a technical exhaust air system and air grids in the doors enables a constant air exchange.

4 Media extraction

With a large bottom tray and perforated insert, the model ACID M 6 is perfect for the safe filling of small containers, e.g. with manual pump 1.96.150.

5 Bottom tray

The bottom tray can be easily cleaned if there is contamination.

6 High media resistance

All pull-out trays are made of highly-resistant polyethylene. With the use of a polypropylene tray insert, the model ACID UTS L with drawer offers an alternative in terms of media resistance.

ACID line

The ACID line is the most reasonable solution for all working areas in which acids and lye, but no flammable substances have to be stored. The especially media-resistant safety storage cabinets fulfil all requirements for the storage of corrosive substances. The ACID UTS are particularly suitable for smaller laboratories on account of their compact size.



ACID M 1



ACID M 6



ACID XS



ACID XL

**ACID UTS L****ACID UTS LT****ACID UTS ST****Interior fittings:**

- » Pull-out trays made of polyethylene or polypropylene.

Construction:

- » Scratch, impact and wear resistant inner and outer carcass constructed from 19 mm (0.75 inch) melamine-resin-coated decor panels.
- » The doors are generally hung on the left. A right-hung door can be delivered at no extra charge.

Colour standard version:

- » Wing doors in light grey RAL 7035.
- » Carcass completely in light grey RAL 7035.
- » Base in slate grey RAL 7015.

Light grey
RAL 7035

Ordering information



Ref. no.

with classical door/drawer technology

Details

Dimensions

Outer [mm]
(width x depth x height) [inch]

Weight [kg]
[lbs]

Ref. no.

Additional interior fittings **Material**

Anti-slip mat Rubber

ACID M 1

2 doors

20-200677-061L

6 pull-out trays/polyethylene and base

600 x 660 x 2040
23.62 x 25.98 x 80.31

120
264.55

29-10660-514

ACID M 2

1 door

20-200677-062L

6 pull-out trays/polyethylene and base

600 x 660 x 2040
23.62 x 25.98 x 80.31

120
264.55

29-10660-514

Other accessories on page 162. Other technical details and dimensions from page 163 onwards.



Tested safety at a very high level including:



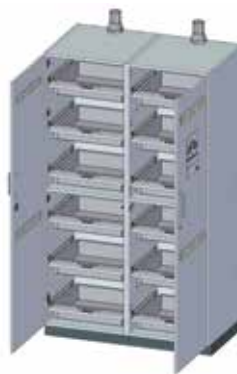
DIN EN 14727



1.7

ACID M 3	ACID M 4	ACID M 6
2 doors	1 door	1 door
20-200677-065L	20-200677-066L	20-200677-072L
4 pull-out trays/polyethylene and base	4 pull-out trays/polyethylene and base	3 pull-out trays/polyethylene, 1 side shelf and 1 bottom tray/polypropylene with perforated sheet insert and base
600 x 660 x 2040 23.62 x 25.98 x 80.31	600 x 660 x 2040 23.62 x 25.98 x 80.31	600 x 660 x 2040 23.62 x 25.98 x 80.31
105 231.49	105 231.49	120 264.55
29-10660-514	29-10660-514	29-10660-514

Ordering information



Ref. no.

with classical door/drawer technology

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Ref. no.

Additional interior fittings	Material
Anti-slip mat	Rubber

ACID XS

2 doors

20-131277-001

8 pull-out trays/polyethylene

1200 x 660 x 1400
47.24 x 25.98 x 55.12

150
330.7

ACID XL

2 doors

20-201277-062

12 pull-out trays/polyethylene

1200 x 660 x 2040
47.24 x 25.98 x 80.31

240
529.11

Other accessories on page 162. Other technical details and dimensions from page 163 onwards.



Tested safety at a very high level including:



DIN EN 14727



1.7

ACID UTS ST	ACID UTS LT	ACID UTS L
1 door	2 doors	1 drawer
20-060677-061	20-061177-061	20-061164-001
2 pull-out trays/polyethylene	4 pull-out trays/polyethylene	1 tray insert/polypropylene
560 x 660 x 635 22.05 x 25.98 x 25	1100 x 660 x 635 43.31 x 25.98 x 25	1100 x 600 x 635 43.31 x 23.62 x 25
36 79.37	65 143.3	75 165.35
29-10660-514	29-10660-514	29-10660-514

Accessories - varied and flexible

Adjust the cabinets of the ACID line with a variety of accessories to meet your requirements even better. To make your workplace more efficient and safer.



Exhaust air systems

Monitoring exhaust air systems help prevent explosion risks in work areas, see programme section 7.



Transport trolley

with antistatic rollers to safely transport hazardous substances.



VisiCon safety container

with integrated sight glass and measuring scale.



Absorber cloths

Absorber cloths are specially designed for use with chemicals and are thus ideal for picking up spilled hazardous substances.

Accessories/optional extras

Transport trolley for acids and lye
Hand pump for acids and lye - only for Model ACID M 6
VisiCon - safety container, 1 litre (0.26 gal)
VisiCon - safety container, 2 litres (0.52 gal)
Exhaust air system or ventilator
Absorber

Ref. no.

7.02.200
1.96.150
5.90.001
5.90.002
see programme section 7 or at www.dueperthal.com
see programme section 10 or at www.dueperthal.com

Technical specifications ACID line

Technical details - ACID line

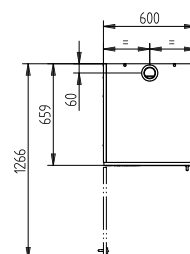
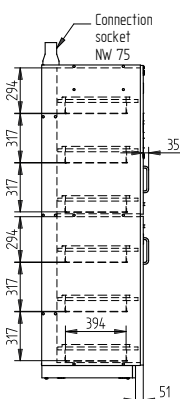
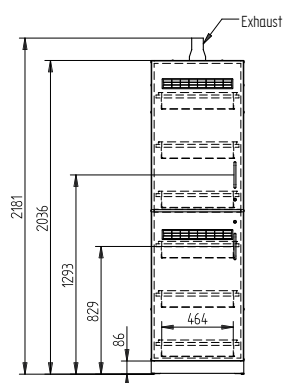
Model size			M 1 - M 4	M 6	XS	XL	UTS ST	UTS LT	UTS L
Load bearing capacity	[kg] [lbs]	Pull-out tray	40 88.18	40 88.18	40 88.18	40 88.18	40 88.18	40 88.18	–
		Drawer	–	–	–	–	–	–	50 110.23
Collection volume	[l] [gal]		18 4.76	18 20 4.76 5.28	18 4.76	18 4.76	18 4.76	18 4.76	40 10.57

Front view

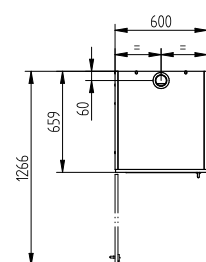
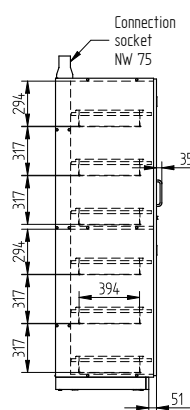
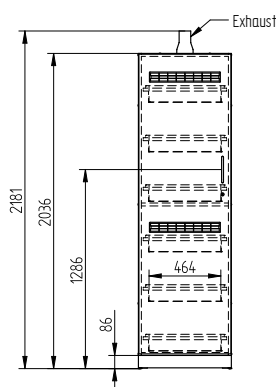
Side view

Top view

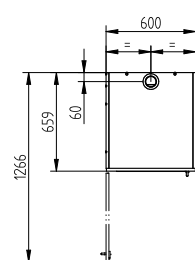
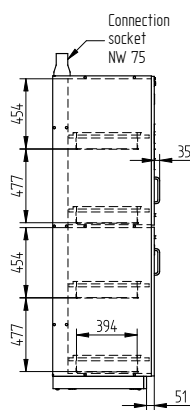
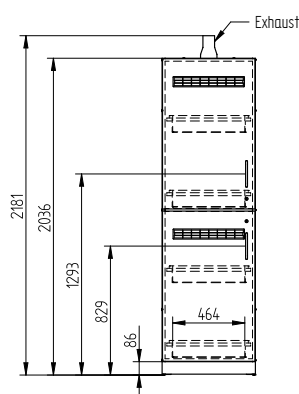
ACID M1



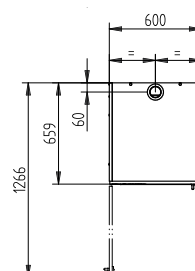
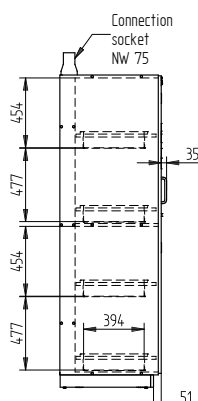
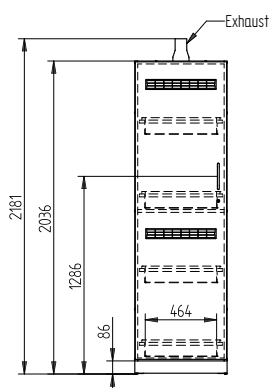
ACID M2



ACID M3



ACID M4



1.7

Tech specs ACID line

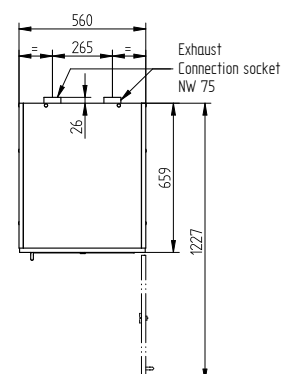
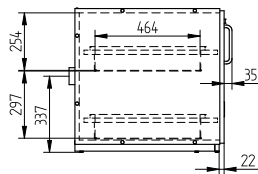
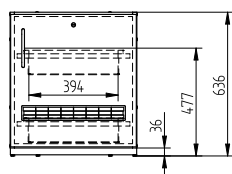
Front view	Side view	Top view
ACID M6		
ACID XS		
ACID XL		

Front view

Side view

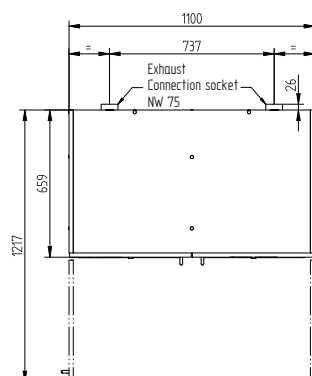
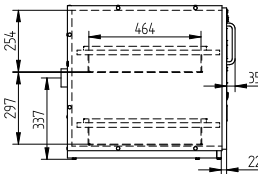
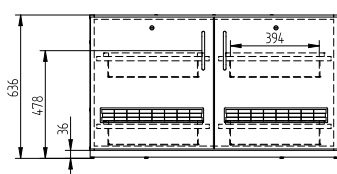
Top view

ACID UTS ST

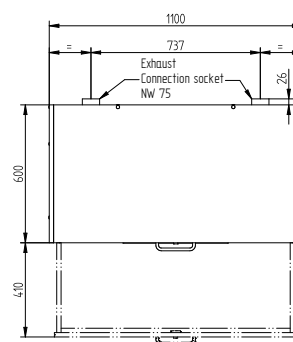
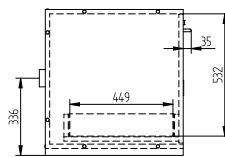
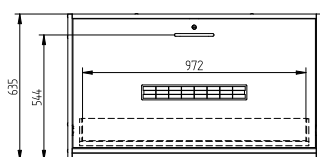


1.7

ACID UTS LT



ACID UTS L



Environmental and toxic substances cabinets

1.8-9



Environmental cabinets for non-flammable substances



Ü



Not suitable for the storage of
flammable liquids.



For the safe storage of non-flammable substances and substances hazardous to water WGK 1-3 in small containers in accordance with the regulations. This product complies with the requirements of the German Equipment and Product Safety Act. The collection trays are manufactured in accordance with the Water Resources Act by a specialist company.

1.8



Bottom tray with declaration of conformity



Perforated shelves for optimal ventilation in the cabinet, height adjustable within pitch



Adjustable feet to compensate for uneven ground

Fittings and features:

- » Sheet steel cabinet signal grey, similar to RAL 7004.
- » Torsion-resistant wing doors with box gusset.
- » Closure by turning handle security lock, closes on 3 sides.
- » Magnetic pocket for DIN A5 documents, depth 10 mm (0.25 inch).
- » Bottom tray galvanised, 3 mm (0.12 inch) with declaration of conformity in accordance with StawaR.
- » Height-adjustable shelves, galvanised.
- » 4 adjustable feet to compensate for uneven ground.
- » Ventilation through connection socket on the cabinet roof.

170 www.dueperthal.com



1.8

XL

20-201047-030

3 shelves,
1 bottom tray

1194 x 612 x 2045
47 x 24.1 x 80.51

1185 x 560 x 35
46.65 x 22.05 x 1.38

3 (galvanised)
0.12

20
5.28

75
165.35

Toxic substances cabinet for non-flammable substances

Ü



Not suitable for the storage of
flammable liquids.



For the safe storage of non-flammable, toxic substances in accordance with the regulations. This product complies with the requirements of the German Equipment and Product Safety Act. The bottom tray is manufactured in accordance with the Water Resources Act by a specialist company.

1.9

Integrated bracket for poison book



Perforated shelves for optimal ventilation in the cabinet, height adjustable within pitch



Bottom tray with declaration of conformity and adjustable feet to compensate for uneven ground

Fittings and features:

- » Approved for the storage of max. 200 kg (440.92 lbs) of toxic substances of class T, max. 50 kg (110.23 lbs) of highly toxic substances T+.
- » Sheet steel cabinet light grey RAL 7035
- » Torsion-resistant wing doors with box gusset.
- » Closure by turning handle, closes on 3 sides.
- » High-quality safety lock for increased protection against break-ins.
- » Bracket for poison book DIN A4, depth 15 mm (0.59 inch).
- » Bottom tray galvanised, material thickness 3 mm (0.12 inch) with declaration of conformity in accordance with StawaR.
- » Including 3 perforated shelves.
- » 4 adjustable feet to compensate for uneven ground.
- » Ventilation via connection socket (NW 75/2.95) on the cabinet roof.

Ordering information



L

Ref. no.

Toxic substances cabinet L

20-201045-011

Details

3 shelves

Dimensions

Outer (width x depth x height) [mm]
[inch]

950 x 420 x 1950
37.4 x 16.54 x 76.77

Ref. no.

Accessories/optional extras

Additional shelf (galvanised)

20-81045-124

Technical specifications

Bottom tray

Dimensions [mm]
(width x depth x height) [inch]

935 x 365 x 63
36.81 x 14.37 x 2.48

Material thickness [mm]
[inch]

3 (galvanised)
0.12

Collection volume [l]
[gal]

20
5.28

Shelf load bearing capacity [kg]
with uniformly distributed load [lbs]

75
165.35



BASIC line 1.10



BASIC line for a fire protection of 30 minutes



Your added advantage with the BASIC line!

» Health

Ventilation on each cabinet level provides optimised air exchange.

» Safety

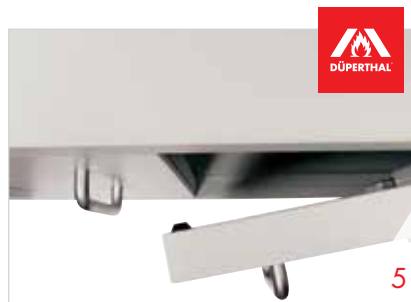
In case of fire, a thermocouple automatically initiates the uninterrupted closing of the doors.

» Working safety

Equipotential bonding screws as a standard in the cabinet help prevention of spark formation.

For the economic storage of hazardous substances with a 30 minute fire protection concept - the simple way to achieve a higher safety level at your workplace.

1.10



1 Classical wing door technology

Easy-moving wing door technology is the correct solution for a multitude of possible applications.

2 Self-closing in case of fire

Doors with integrated arrest system as a standard. This way containers can be put in and removed with both hands. In case of fire the thermocouple closes the door or retracts the drawer automatically.

3 Storage shelves

Storage shelves offer the largest storage capacity and ideal use of space due to their height adjustment at a pitch of 32 mm (1.26 inch).

4 Ergonomics

Ergonomic lock layout at handle level and integrated locking cylinder in the easy-moving doors and drawers.

5 Damped closing of the doors

Cushioned door stoppers guarantee that the doors/drawers close gently and at a low noise level.

6 Adjustable feet

Adjustable feet with extra large bearing surface for easy alignment and level equalisation from inside and out.

BASIC line – Type 30

Safety storage cabinets with 30 minutes of fire protection for the economic storage of hazardous substances in working areas, according to TRGS 510.



BASIC XL



BASIC M



BASIC UTS line – Type 30

The safety storage cabinets of the BASIC UTS line are especially designed for the storage of flammable hazardous substances close to where they are needed. With a fire resistance of 30 minutes, they offer a minimum level of safety at the workplace.

1.10



BASIC UTS BST-5



BASIC UTS BLT-5



BASIC UTS BLK-5

Interior fittings:

- » Bottom shelves and bottom trays, optionally made of powder-coated sheet steel or stainless steel.

Construction:

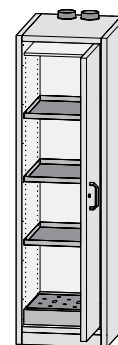
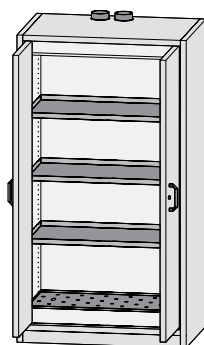
- » Complete cabinet unit made of high-quality, flame-retardant decor panels.
- » The doors are generally right-hinged for one-door cabinets. A left-hung door can be delivered on request for no additional charge.

Colour standard version:

- » Wing doors/drawers in grey, similar to RAL 7035 - microperl.
- » Carcass completely in grey, similar to RAL 7035 - microperl.
- » Base in slate grey RAL 7015.

similar to:
Light grey
RAL 7035

Ordering information



Ref. no.

with classical door/drawer technology

Details

Dimensions

Width	[mm] [inch]
Depth	[mm] [inch]
Height	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[400 ml/11 oz] [1,0 l/0.26 gal] [1,0 l/0.26 gal] [2.5 l/0.66 gal]
------	----------------------------------------------------------------------------

Ref. no.

Additional interior fittings	Material
Storage shelf	Sheet steel
Anti-slip mat	Rubber
Locker (door hung left)	
Locker (door hung right)	

BASIC XL

with storage shelves

23-201260-401

3 storage shelves, 1 bottom tray,
1 perforated sheet insert and base

Outer	Inner
1195 47.05	1119 44.05
595 23.43	470 18.5
2075 81.69	1600 63
278 612.89	

120 spray cans
47 cans
55 glass lab bottles
22 glass lab bottles

BASIC M

with storage shelves

23-200660-401

3 storage shelves, 1 bottom tray,
1 perforated sheet insert and base

Outer	Inner
595 23.43	519 47.05
595 23.43	470 18.5
2075 81.69	1600 63
147 324.08	

53 spray cans
19 cans
24 glass lab bottles
9 glass lab bottles

23-81260-114	23-80660-114
29-81260-514	29-80660-514
29-50000-036L	29-50000-036L
29-50000-036	29-50000-036

Other accessories on page 185. Other technical details and dimensions from page 186 onwards.



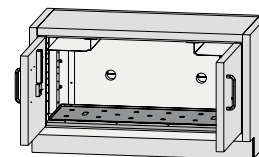
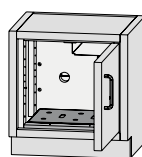
Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



1.10



BASIC UTS BS-5	BASIC UTS BST-5	BASIC UTS BLT-5
with drawer	with bottom tray	with bottom tray

23-060654-401	23-060650-401	23-061150-401
---------------	---------------	---------------

1 drawer, 1 perforated sheet insert and base	1 bottom tray, 1 perforated sheet insert and base	1 bottom tray, 1 perforated sheet insert and base
-------------------------------------------------	------------------------------------------------------	------------------------------------------------------

Outer	Inner	Outer	Inner	Outer	Inner
595 23.43	453 17.83	595 23.43	453 17.83	1095 44.05	934 36.77
500 19.69	423 16.65	500 19.69	423 16.65	500 19.69	423 16.65
635 25	355 13.98	635 25	358 14.01	635 25	358 14.01
59 130.07		59 130.07		91 200.62	

29 spray cans 10 cans 12 glass lab bottles 5 glass lab bottles	32 spray cans 12 cans 14 glass lab bottles 5 glass lab bottles	85 spray cans 30 cans 36 glass lab bottles 15 glass lab bottles
-------------------------------------------------------------------------	-------------------------------------------------------------------------	--------------------------------------------------------------------------

–	–	–
29-90650-514	29-90650-514	29-91150-514
–	–	–
–	–	–



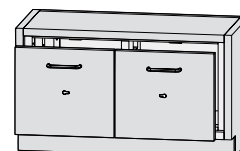
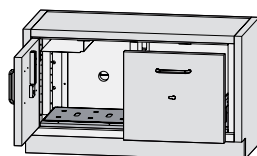
Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



Ordering information



BASIC UTS BLK-5

with bottom tray and drawer

BASIC UTS BLD-5

with drawer

Ref. no.

with classical door/drawer technology

23-061153-401

23-061155-401

Details

1 drawer, 1 bottom tray,
2 perforated sheet inserts and base

2 drawers,
2 perforated sheet inserts and base

Dimensions

Width [mm]
[inch]

Outer	Inner
1095 43.13	L: 452 R: 452 17.8 17.8

Outer	Inner
1095 43.13	L: 452 R: 452 17.8 17.8

Depth [mm]
[inch]

500 19.69	423 16.65
--------------	--------------

500 19.69	423 16.65
--------------	--------------

Height [mm]
[inch]

	L: 358 R: 355
635 25	14.1 13.98

	L: 355 R: 355
635 25	13.98 13.98

Weight [kg]
[lbs]

111
244.71

111
244.71

Storage capacity/standing surface (approx. data)

Size [400 ml/11 oz]
[1.0 l/0.26 gal]
[1.0 l/0.26 gal]
[2.5 l/0.66 gal]

34/29	spray cans
12/10	cans
15/12	glass lab bottles
6/5	glass lab bottles

29/29	spray cans
10/10	cans
12/12	glass lab bottles
5/5	glass lab bottles

Ref. no.

Additional interior fittings Material

Anti-slip mat Rubber

29-90650-514

29-90650-514

Other accessories on page 185. Other technical details and dimensions from page 186 onwards.

Accessories - varied and flexible

Adapt the cabinets of the BASIC line to your needs even better with the large variety of accessories offered. To make your workplace more efficient and safer.

1.10



Exhaust air systems

Monitoring exhaust air systems help prevent explosion risks in work areas, see programme section 7.



Earthing cables

Through the equipotential bonding saddles on the cabinet as a standard and an additional earthing cable with crocodile clip in the interior, conductive containers can be directly connected to the earthing cable as per TRGS 727.



Transport trolleys

Optional transport trolleys are available with antistatic rollers to safely transport hazardous substances, see programme section 9.



Pipe penetration

Safety storage cabinets can be adapted to your requirements by incorporating additional penetrations for pipes, hoses and cables.



Red-Box

for safely storing documents exactly where they are needed.



Absorber cloths

Absorber cloths are specially designed for use with chemicals and are thus ideal for picking up spilled hazardous substances.



Locker

bolted directly in the safety storage cabinet as additionally protected access control (see additional interior fittings).



Anti-slip mat

Anti-slip mats can prevent containers from inadvertently slipping. So everything stays where it belongs (see additional interior fittings).

Accessories:

Pipe penetration (reclosable)
Pipe penetration
Red-Box

Optional extras:

Transport trolley for flammable media
Earthing cable with crocodile clip
Exhaust air system or ventilator
Safety container
Absorber

Ref. no.:

on request
29-70000-048
2.233.04

7.02.100

1.806.63

see programme section 7 or at www.dueperthal.comsee programme section 8 or at www.dueperthal.comsee programme section 10 or at www.dueperthal.com

Tech specs BASIC line – Type 30

Technical details - BASIC standard

Model size		XL	M
Load bearing capacity with uniformly distributed load (maximum load capacity/shelf)	[kg] [lbs]	75 165.35	40 88.18
Maximum volume of the largest individual container that may be placed on the respective standing surface of the cabinet	[l] [gal]	46 12.15	21 5.55
Collection volume of bottom tray	[l] [gal]	51 13.47	23 6.08
Volumetric flow rate with 10-fold air exchange	approx. [m³/h] approx. [cubic ft/h]	10 353.1	5 176.55
Pressure drop in the cabinet	[Pa] [Psi]	<1 <1	<1 <1

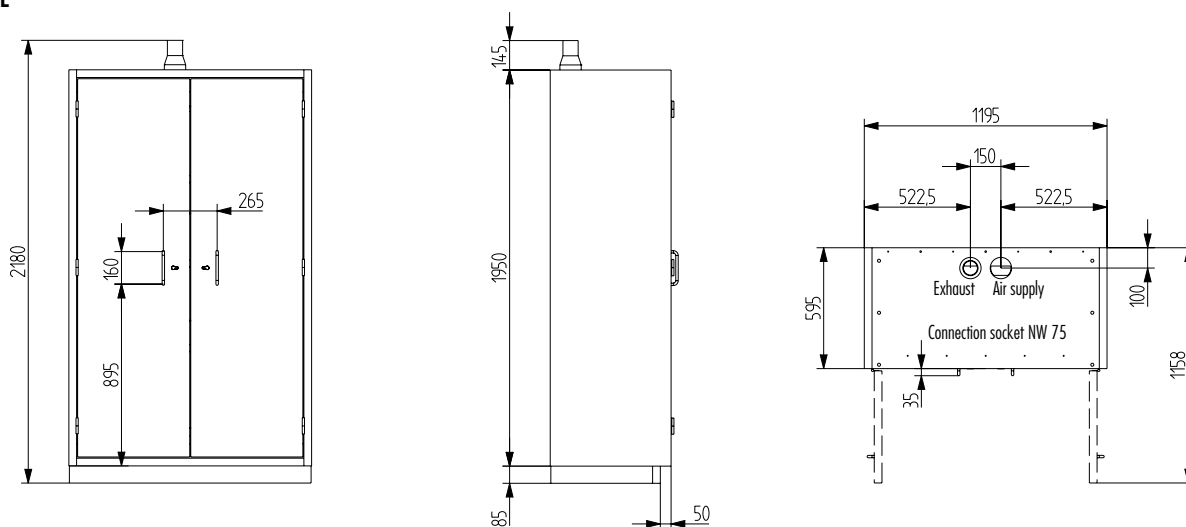
Dimensions – interior fittings [mm] - BASIC line [inch]

Model size	XL			M		
	Width	Depth	Height	Width	Depth	Height
Storage shelf	1115 43.9	458 18.03	35 1.38	515 20.78	458 18.03	35 1.38
Bottom tray	1115 43.9	458 18.03	100 3.93	515 20.78	458 18.03	100 3.93
Perforated sheet insert	1106 43.54	449 17.68	100 3.93	506 19.92	449 17.68	100 3.93

Tech specs BASIC line – Type 30

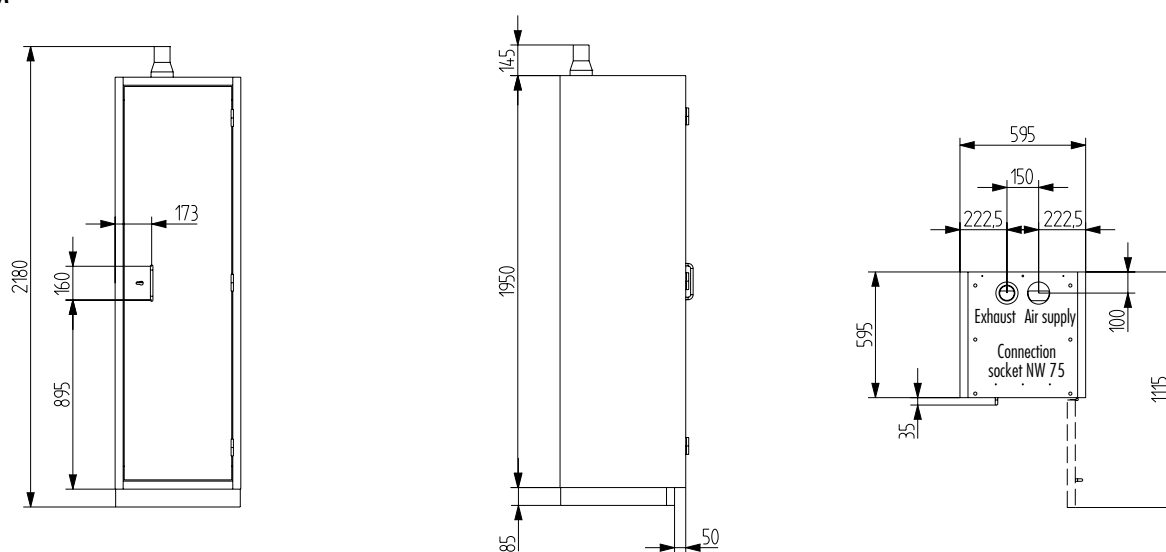
Front view	Side view	Top view
------------	-----------	----------

BASIC XL



1.10

BASIC M



Tech specs BASIC UTS line – Type 30

Technical details - BASIC UTS line

Model size			BS-5	BST-5	BLT-5	BLK-5	BLD-5
Load bearing capacity with uniformly distributed load (maximum load capacity/shelf)	[kg] [lbs]	Bottom tray	30	30	30	30	30
		Drawer	66.14	66.14	66.14	66.14	66.14
Maximum volume of the largest individual container that can be stored on the respective standing surface of the cabinet	[l] [gal]	Bottom tray	7	16	35	16	7
		Drawer	1.85	4.23	9.25	4.23	1.85
Collection volume of bottom tray	[l] [gal]	Bottom tray	8	18	38,5	18	8
		Drawer	2.11	4.76	10.17	4.76	2.11
Volumetric flow rate with 10-fold air exchange	approx. [m³/h] approx. [cubic ft/h]		1,2 42.37	1,2 42.37	2,5 88.28	2,5 88.28	2,5 88.28
Pressure drop in the cabinet	[Pa]		<1	<1	<1	<1	<1
	[Psi]		<1	<1	<1	<1	<1

Dimensions – interior fittings [mm] - BASIC UTS line

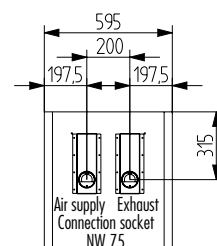
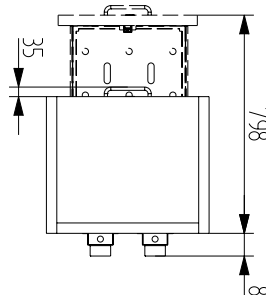
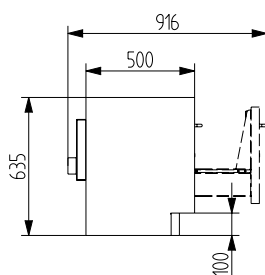
Model size	BS-5			BST-5			BLT-5			BLK-5 Door side Drawer			BLD-5 per drawer		
	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height
Storage shelf	–	–	–	450 17.72	350 13.78	35 1.38	940 37.01	350 13.78	35 1.38	450 – 17.7 –	350 – 13.8 –	35 – 1.4 –	–	–	–
Bottom tray /drawer	410 16.14	341 13.43	125 4.92	450 17.72	350 13.78	130 5.12	940 37.01	350 13.78	130 5.12	450 402 17.7 15.8	350 341 13.8 13.4	130 125 5.1 4.9	402 15.83	349 13.74	125 4.92
Perforated sheet insert	392 15.43	331 13.03	60 2.36	445 17.52	342 13.46	120 4.72	935 36.81	342 13.46	120 4.72	445 392 17.5 15.4	342 331 13.5 13	120 60 4.7 2.4	392 15.43	331 13.03	60 2.36

Max. container heights - BASIC UTS line [mm]

Model size	BS-5			BST-5			BLT-5			BLK-5 Door side Drawer			BLD-5 per drawer		
	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height
with perforated sheet	355 13.98			358 14.1			358 14.1			358 355 14.1 13.98			355 13.98		
without perforated sheet	415 16.34			478 18.92			478 18.92			478 415 18.92 16.34			415 16.34		

Side view	Top view	Rear view
-----------	----------	-----------

BASIC UTS BS-5



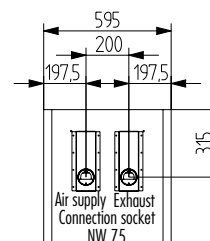
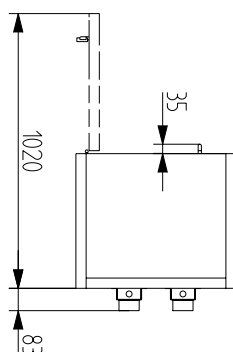
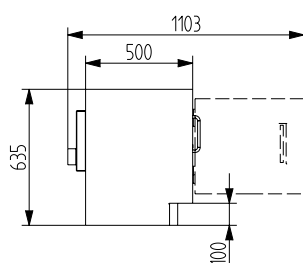
Tech specs BASIC UTS line UTS - Type 30

Side view

Top view

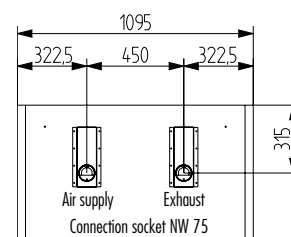
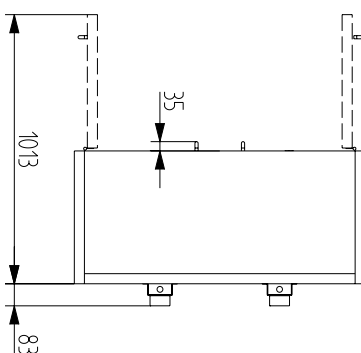
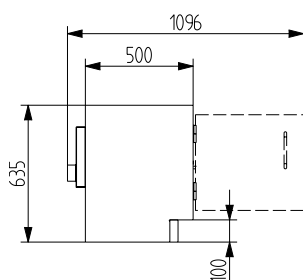
Rear view

BASIC UTS BST - 5

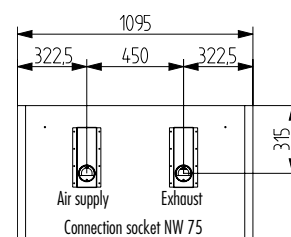
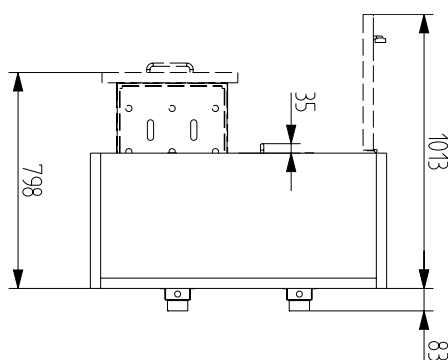
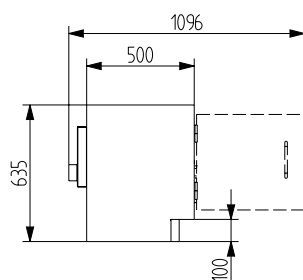


1.10

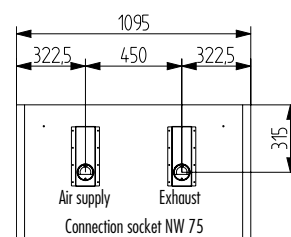
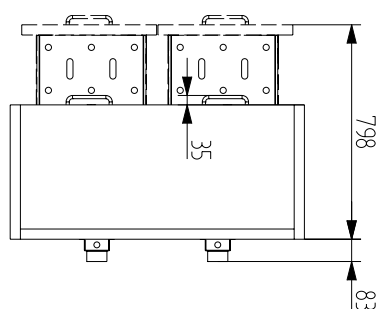
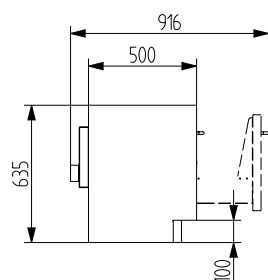
BASIC UTS BLT - 5



BASIC UTS BLK - 5



BASIC UTS BLD - 5



Active storage of flammable liquids





2

Safe storage - both active and passive

There are different technical and administrative requirements for the active and passive storage of flammable liquids. How will you store your chemicals? It is best if you determine how substances will be stored at your workplace or laboratory during the planning of installations. Below, you will find some important aspects of active and passive storage.



Passive storage

- » Liquids or solids are stored in sealed containers.
- » No filling or transferring takes place in or at the cabinet.
- » Your safety storage cabinet serves only as a storage location.

Active storage

- » Flammable liquids are stored in open or unsealed containers.
- » Chemicals are filled or transferred in or at the safety storage cabinet.
- » Your safety storage cabinet is actively connected to your processes. It is a storage location - and a workplace.

Maximum protection with a system – tailored to your processes

As soon as you begin with active storage, you must take different requirements into account in your risk assessment (acc. to TRGS 400) and the associated explosion protection documents: these include requirements of TRGS 526 and TRGS 510 Annex 3, but also additional points of TRGS 509, TRGS 727 and DIN EN 60079-10-1.

Proactive working safety

The DÜPERTHAL safety storage cabinets for active storage guarantee you conformity with the regulations and their construction offers a firm foundation for efficient workflows. This enables us to offer you individual solutions optimally tailored to your processes.



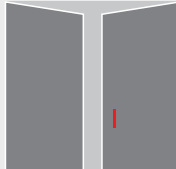
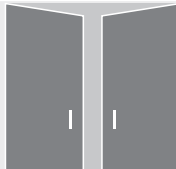
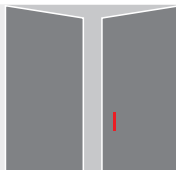
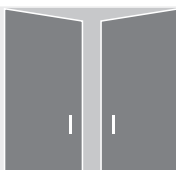

Your technical advantage

- » Optimal management of liquids during supply and disposal.
- » The risk of an accident due to overfilling is minimised.
- » Effective and monitored object and air curtain extraction when filling as well as ventilation in each cabinet level ensure the reduction of explosive atmosphere and increase health protection.
- » The integrated earthing concept includes inner and outer conductive surfaces as well as the connection of all electrically conductive components with the potential connection to the cabinet body.

Your economic advantage

- » Decentralised storage with media available directly at the workplace means work simplification and time saving.
- » Safety processes can be optimized and defined for simple documentation in your risk assessment.
- » The explosion protection concept recommended in the GS certification can be incorporated in the explosion protection document and facilitates the documentation.
- » Falling consumption of chemicals reduces procurement and disposal costs and spares the environment (CO₂ balance).

Safety storage cabinets for active storage of flammable liquids

		Door technologies	Type 90
2.1	TAP line		Type 90
2.2	SUPPLY line		Type 90
2.3	COMPLEX line		Type 90
2.4	ACTCOM line		Type 90
2.5	DISPOSAL [UTS ergo BENCH] line HPLC service station		Type 90
2.6	VisiCon® Waste Collection System		

from page

Supply systems: canister cabinets
with canister shelves, drip trays and exhaust
air monitor



198

Supply systems: drum cabinets
with exhaust air monitor



208

Supply systems: drum stations
with media pump, extraction point
and exhaust air monitoring



220

Supply and disposal systems
with collection container, exhaust air monitor
and fill level monitor



229

Disposal systems
with collection container, exhaust air monitor
and fill level monitor



235

Collection system
Collect media flexibly and centrally



257

Active Storage Type 90 - Supply at a glance

TAP line - canister cabinets with canister shelves, drip trays and exhaust air monitor

	Dimensions [mm] [inch]		
	Width	Depth	Height
TAP LL	894 35.20	747 29.21	2085 82.09
TAP XL	1194 47.00	612 24.10	2085 82.09



TAP LL



TAP XL

Max. volume of largest individual container [l]/[gal]	60/15.85	43/11.36
--------------------------------------------------------------	----------	----------

SUPPLY line – drum cabinets with exhaust air monitor

	Dimensions [mm] [inch]		
	Width	Depth	Height
SUPPLY LL 1-2	894 35.20	747 29.21	2085 82.09



SUPPLY LL 1



SUPPLY LL 2

Max. volume of largest individual container [l]/[gal]	60/15.85	200/52.83
--------------------------------------------------------------	----------	-----------

SUPPLY line – drum cabinets with exhaust air monitor

	Dimensions [mm] [inch]		
	Width	Depth	Height
SUPPLY XXL 1-3	1654 65.19	747 29.21	2085 82.09



SUPPLY XXL 1



SUPPLY XXL 2

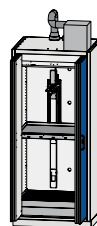


SUPPLY XXL 3

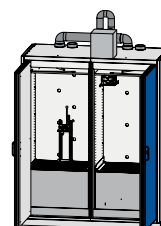
Max. volume of largest individual container [l]/[gal]	L: 60/15.85	L: 60/15.85	L: 200/52.83
	R: 60/15.85	R: 200/52.83	R: 200/52.83

COMPLEX line - drum stations with media pump, filling point and exhaust air monitor

	Dimensions [mm] [inch]		
	Width	Depth	Height
COMPLEX LL	895 35.24	745 29.33	2080 81.89
COMPLEX XXL	1655 65.16	745 29.33	2080 81.89



COMPLEX LL



COMPLEX XXL

Max. volume of largest individual container [l]/[gal]	60/15.85	L: 200/52.83
		R: 200/52.83

Active Storage Type 90 - Disposal at a glance

ACTCOM line and DISPOSAL line with collection containers and exhaust air monitor

Dimensions [mm] [inch]

	Width	Depth	Height
ACTCOM XL	1194 47.00	612 24.10	2085 82.09
DISPOSAL L	894 35.20	612 24.10	2085 82.09
DISPOSAL M	594 23.39	612 24.10	2085 82.09



ACTCOM XL



DISPOSAL L



DISPOSAL M

Max. volume of largest individual container [l]/[gal]

30/7.93

30/7.93

30/7.93

DISPOSAL UTS ergo line, DISPOSAL BENCH line, HPLC service station with exhaust air monitor

Dimensions [mm] [inch]

	Width	Depth	Height
DISPOSAL UTS ergo S	600 23.62	593 23.34	631 24.84



DISPOSAL UTS ergo S 1



DISPOSAL UTS ergo S 2



DISPOSAL UTS ergo S 3

Max. volume of largest individual container [l]/[gal]

5/1.32

10/2.64

10/2.64

Dimensions [mm] [inch]

	Width	Depth	Height
DISPOSAL UTS ergo LD	1100 43.31	593 23.34	631 24.84
DISPOSAL BENCH S	600 23.62	593 23.34	831 32.71
HPLC Service-Station	900 35.43	750 29.53	745 29.33



UTS ergo LD



DISPOSAL BENCH S



HPLC Service-Station

Max. volume of largest individual container [l]/[gal]

L: 10/2.64
R: 10/2.64

20/5.28

10/2.64

VisiCon® Waste collection system - Collect media flexibly and centrally



Detailed information from programme section 2.6

TAP line **2.1**



Safety storage cabinets for supply from canisters



TÜV Süd
Certificate explorer



Your added advantage with the TAP line!

» Health

Object and air curtain extraction during filling and ventilation in each cabinet level.

» Safety

Safe media extraction from canisters and drums into smaller containers in accordance with TRGS 509.

» Working safety

Conductive powder coating as a standard and integrated earthing system according to TRGS 727.



Tested and TÜV-certified
complete system for supply
acc. to TRGS 509.

The TAP line safety storage cabinets are ideal for efficiently and safely withdrawing media.
All cabinets of the TAP line have a wide range of additional functions that make working easier and safer.



1 Wing door technology

The wing doors can be opened with minimal effort.
In case of fire, a thermocouple automatically closes the doors without blocking.

2 Media extraction

Storage in accordance with TRGS 510 and safe media extraction from canisters and drums in accordance with TRGS 509.

3 Canister shelves

The layout of the canister shelves allows optimum use of space. The integrated drip trays can easily be inserted and automatically move to the front after the end of the filling process.

4 Air curtain extraction

Object and air curtain directly at the canister tap minimize the explosive atmosphere during the filling process.

5 Ventilation monitoring

The exhaust air monitoring unit integrated as a standard monitors the required exhaust air flow rate.

6 Prevention of ignition hazards

The electrically conductive interior fittings and earthing cables with crocodile clips are conductively connected to the equipotential bonding saddles on the cabinet roof in accordance with TRGS 727.

TAP line – Type 90

The TAP line Type 90 from DÜPERTHAL is specially designed to remove media from canisters and small drums. This allows more flexible work processes and a more efficient organisation of the internal value chain. This effectively leads to the release of resources, which can be used actively and on a results-orientated basis for scientific research.



TAP LL



TAP XL

**Interior fittings:**

- » Canister shelves, drip trays and bottom tray made of conductive, powder-coated sheet steel.
- Interior fittings are also possible in various stainless steel versions.

Colour standard version:

- » Wing doors in gentian blue, similar to RAL 5010.
- » Complete carcass in light grey, similar to RAL 7035.
- » Base in slate grey RAL 7015.

Construction:

- » Wing doors made of conductive powder-coated sheet steel.
- » Outer carcass made of conductive powder-coated sheet steel.
- » Inner carcass made of conductive powder-coated sheet steel.

Gentian blue
RAL 5010

Light grey
RAL 7035



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727
DIN EN 60079-10-1



Ordering information



Ref. no.

with exhaust air monitoring unit and ventilator

with exhaust air monitoring unit

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[5 l/1.32 gal] [10 l/2.64 gal] [20 l/5.28 gal] [5 l/1.32 gal] [10 l/2.64 gal]
------	-------------------------------------------------------------------------------------------

Ref. no.

Additional interior fittings	Material
Bottom tray, canister shelf and drip tray	Stainless steel V2A
Bottom tray, canister shelf and drip tray	Stainless steel V4A
Insert for drip tray	PE-el

TAP LL

with one-hand wing door technology

49-200975-027

49-200975-028

3 canister shelves, 2 drip trays,
12 earthing cables with crocodile clips,
1 bottom tray and base

894 x 747 x 2085
35.20 x 29.41 x 82.09

798 x 604 x 1700
31.42 x 23.78 x 66.93

442
974.44

TAP XL

with one-hand wing door technology

49-201265-027

49-201265-028

3 canister shelves, 2 drip trays,
15 earthing cables with crocodile clips,
1 bottom tray and base

1194 x 612 x 2085
47 x 24.10 x 82.09

1098 x 469 x 1700
43.23 x 18.46 x 66.93

469
1033.97

5	PE canisters	7	PE canisters
3	PE canisters (conductive)	5	PE canisters (conductive)
3	PE canisters (conductive)	–	
5	Stainless steel canisters	7	Stainless steel canisters
5	Stainless steel canisters	7	Stainless steel canisters

on request

on request

on request

on request

on request

on request

Other accessories on page 205. Other technical details and dimensions from page 206 onwards.

Accessories - varied and flexible

Adjust your DÜPERTHAL safety storage cabinet to meet your requirements even better with a variety of accessories. To make your workplace more efficient and safer.

2.1



Pipe penetration
for stainless steel pipes, cables
and hoses up to Ø 28 mm
(1.1 inch).



Red-Box
for safely storing documents
exactly where they are needed.



Transport trolley
in conductive design with antistatic
rollers to safely transport hazardous
substances.



**Unlocking system with
RFID card**
The DÜPERTHAL safety storage
cabinets are optimally suited for
the unlocking mechanism with
RFID user card with MPS-1.

Accessories

Cabi2Net
MPS-1 with automatic locking system
Pipe penetration (reclosable)
Pipe penetration
Red-Box

Optional extras

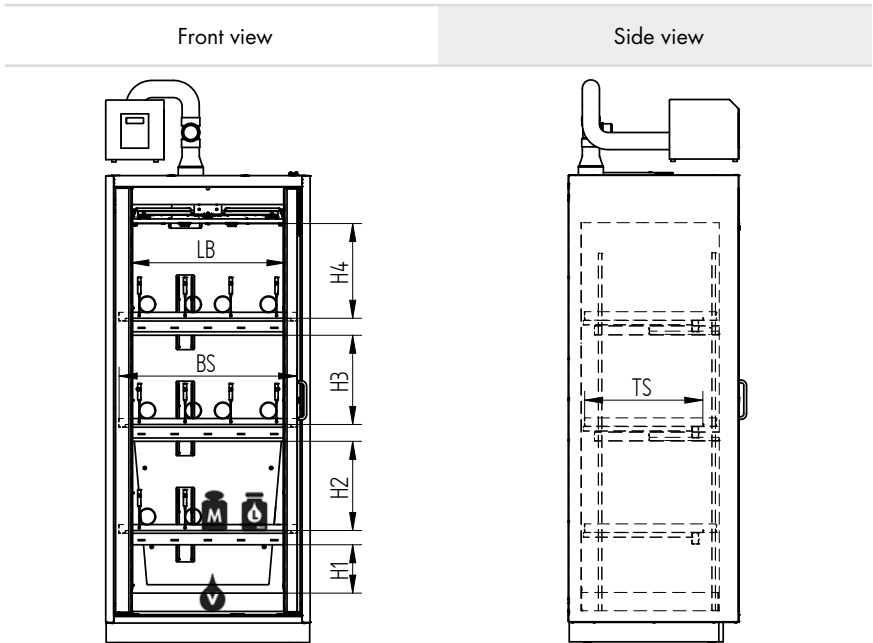
Transport trolley for flammable media
VisiCon - safety container, 1 litre (0.26 gal)
VisiCon - safety container, 2 litres (0.51 gal)
Stainless steel canister, 5 litres (1.32 gal)
Stainless steel canister, 10 litres (2.64 gal)
Dispensing tap for stainless steel canisters 3.85.005 and 3.85.010
Earthing cable with crocodile clip
Absorber

Ref. no.

on request
50-30000-920
on request
49-50000-048
2.233.04

7.02.100
5.90.001
5.90.002
3.85.005
3.85.010
3.85.200
1.806.63
see programme section 10 or at www.dueperthal.com

Technical details | Adjustment heights - TAP line



Max. adjustment heights [mm]
[inch]

Model size		LL XL
Storage shelves	H1	211 8.31
	H2	390 15.35
	H3	390 15.35
	H4	414 16.3

On request ex work adjustable in grid of 16 mm, max. approx. 96 mm (3.78 inch)

Model size		LL	XL
BS	[mm]	777	1077
	[inch]	30.59	42.40
LB	[mm]	674	974
	[inch]	26.54	38.35
TS	[mm]	517	382
	[inch]	20.35	15.04
M	[kg]	75	75
	[lbs]	165.35	165.35
L	[l]	30	30
	[gal]	7.93	7.93
V	[l]	33	33
	[gal]	8.72	8.72
Max. additional load	[kg]	225	225
	[lbs]	496.04	496.04

- BS: Width of standing surface, in millimetres
LB: Clear width, in millimetres
TS: Depth of standing surface, in millimetres
M: Load bearing capacity per storage shelf (uniformly distributed), in kilograms
L: Maximum volume of the largest individual container, in litres
V: Max. collection volume, in litres

SUPPLY line **2.2**



Safety storage cabinets for supply from drums



TÜV Süd
Certificate explorer



Your added advantage with the SUPPLY line!

» Health

Ventilation and exhaust air monitoring minimise the explosive atmosphere when filling.

» Safety

Secure media supply and integration into the process chain in accordance with TRGS 509.

» Working safety

Conductive powder coating as a standard and integrated earthing system according to TRGS 727.



Tested and TÜV-certified
complete system for supply
acc. to TRGS 509.

The SUPPLY line Type 90 from DÜPERTHAL is specially designed to safely remove media from drums. This allows integration into present process chains and a more efficient organisation of the internal value chain. All SUPPLY line cabinets have a wide range of additional functions that make working easier and safer.



1 Wing door technology

The wing doors can be opened with minimal effort. In case of fire, a thermocouple automatically closes the doors without blocking.

2 Ergonomic lock arrangement

The integrated locking system-compatible locking cylinder in the door is at an ergonomic handle level.

3 Media extraction

Storage in accordance with TRGS 510 and safe media extraction from drums in accordance with TRGS 509.

4 Heavy load drawer for 200 litre (52.83 gal) drum

Simple loading and unloading with a 200 litre (52.83 gal) drum with easy-moving heavy load drawer (optional), load bearing capacity 250 kg (551.16 lbs).

5 Ventilation monitoring

The exhaust air monitoring unit integrated as a standard monitors the required exhaust air flow rate.

6 Prevention of ignition hazards

The electrically conductive interior fittings and earthing cables with crocodile clips are conductively connected to the equipotential bonding saddles on the cabinet roof in accordance with TRGS 727.

SUPPLY line – Type 90

The SUPPLY line Type 90 from DÜPERTHAL is specially designed to remove media from drums. This allows more flexible work processes and a more efficient organisation of the internal value chain. This effectively leads to the release of resources, which can be used actively and on a results-orientated basis for scientific research.



SUPPLY LL 1



SUPPLY LL 2



SUPPLY XXL 2



SUPPLY XXL 3

**Interior fittings:**

- » Bottom tray made of conductive, powder-coated sheet steel and galvanised grating.
- » Optional: heavy load drawer with safety locking for 200 litre (52.83 gal) drums, conductive, in gentian blue similar to RAL 5010.

Construction:

- » Wing doors made of conductive powder-coated sheet steel.
- » Outer carcass made of conductive powder-coated sheet steel.
- » Inner carcass made of conductive powder-coated sheet steel.

Colour standard version:

- » Wing doors in gentian blue, similar to RAL 5010.
- » Complete carcass in light grey, similar to RAL 7035.
- » Base in slate grey RAL 7015.

Gentian blue
RAL 5010

Light grey
RAL 7035

Ordering information



Ref. no.

with exhaust air monitoring unit and ventilator

with exhaust air monitoring unit

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[50/60 l] [13.21/15.85 gal]
	[200 l] [52.83 gal]

Ref. no.

Additional interior fittings	Material
Bottom tray with grating:	Stainless steel V2A
Bottom tray with grating:	Stainless steel V4A
Heavy load drawer with safety locking for 200 litre (52.83 gal) drum, load bearing capacity 250 kg (551.16 lbs)	

SUPPLY LL 1

with classical wing door technology

49-200977-011

49-200977-012

1 bottom tray for 60 l (15.85 gal) drum with grating, 2 earthing cables with crocodile clips and base

894 x 747 x 2085
35.20 x 29.41 x 82.09

765 x 588 x 1522
30.12 x 23.15 x 59.92

460
1014.13

2 drums

–

on request

on request

–

SUPPLY LL 2

with classical wing door technology

49-200977-031

49-200977-032

1 bottom tray for 200 l (52.83 gal) drum with grating, 2 earthing cables with crocodile clips and base

894 x 747 x 2085
35.20 x 29.41 x 82.09

765 x 588 x 1177
30.12 x 23.15 x 46.34

480
1058.22

2 drums

1 drum

on request

on request

49-50977-069

Other accessories on page 216. Other technical details and dimensions from page 217 onwards.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727
DIN EN 60079-10-1



2.2

SUPPLY XXL 1	SUPPLY XXL 2	SUPPLY XXL 3
with classical wing door technology	with classical wing door technology	with classical wing door technology
49-201777-011	49-201777-033	49-201777-031
49-201777-012	49-201777-034	49-201777-032
2 bottom trays, each for 1x 60 l (15.85 gal) drum with grating, 4 earthing cables with crocodile clips and base	1 bottom tray for 1x 60 l (15.85 gal) drum with grating (left), 1 bottom tray for 1x 200 l (52.83 gal) drum (right), 4 earthing cables with crocodile clips and base	2 bottom trays, each for 1x 200 l (52.83 gal) drum with grating, 4 earthing cables with crocodile clips and base
1650 x 747 x 2085 65.00 x 29.41 x 82.09	1650 x 747 x 2085 65.00 x 29.41 x 82.09	1650 x 747 x 2085 65.00 x 29.41 x 82.09
L/R: 702 x L/R: 588 x L/R: 1522 L/R: 27.64 x L/R: 23.15 x L/R: 59.92	L/R: 702 x L/R: 588 x L: 1522 R: 1177 L/R: 27.64 x L/R: 23.15 x L: 59.92 R: 46.34	L/R: 702 x L/R: 588 x L/R: 1177 L/R: 27.64 x L/R: 23.15 x L/R: 46.34
800 1763.7	820 1807.79	840 1851.88
2 drums	2 drums	2 drums
–	1 drum	1 drum
on request	on request	on request
on request	on request	on request
–	49-51777-069	L: 49-51777-069L R: 49-51777-069

Accessories - varied and flexible

Adjust your DÜPERTHAL safety storage cabinet to meet your requirements even better with a variety of accessories. To make your workplace more efficient and safer.



Pipe penetration
for stainless steel pipes, cables and hoses up to Ø 28 mm (1.1 inch).



Red-Box
for safely storing documents exactly where they are needed.



Absorber cloths
Absorber cloths are specially designed for use with chemicals and are thus ideal for picking up spilled hazardous substances.



Platform lifter
Ideal for lifting and transporting drums and canisters when used together with a transport unit with rollers.



Cabi2Net
for central control of work processes. Configuration according to individual requirements.



Heavy load drawer
with safety locking for 200 litre (52.83 gal) drums, conductive, in gentian blue similar to RAL 5010.



Drum lifter
for picking up and transporting 200 l (52.83 gal) drums. Ideally used with heavy load drawer.



Transport unit with rollers
with arrest system for easy intake of drums and canisters.

Accessories

Cabi2Net

Pipe penetration

Red-Box

Optional extras

Platform lifter, load bearing capacity 100 kg (220.46 lbs)

Transport unit with rollers - left | right

Transport unit with rollers and additional front rollers - left | right

Drum lifter with quick lift for 200 l (52.83 gal) drums, load bearing capacity 300 kg (661.39 lbs)

Drum wrench

Compressed-air media pump - explosion-proof (set)

Absorber

Ref. no.

on request

49-50000-048

2.233.04

1.31.050

1.31.051 | 1.31.052

1.31.053 | 1.31.054

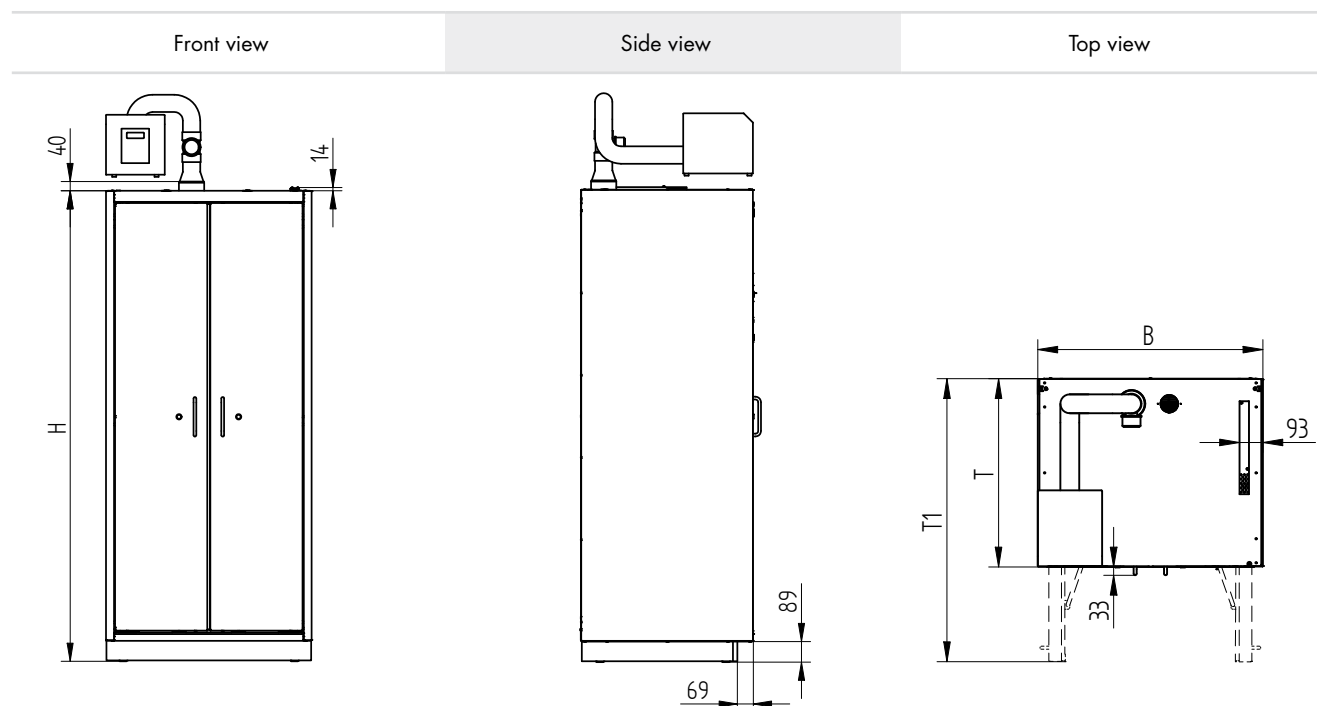
1.31.045* (only for SUPPLY LL2, XXL2, XXL3)

1.808.05

50-70000-052

see programme section 10 or at www.dueperthal.com

Technical details - SUPPLY line



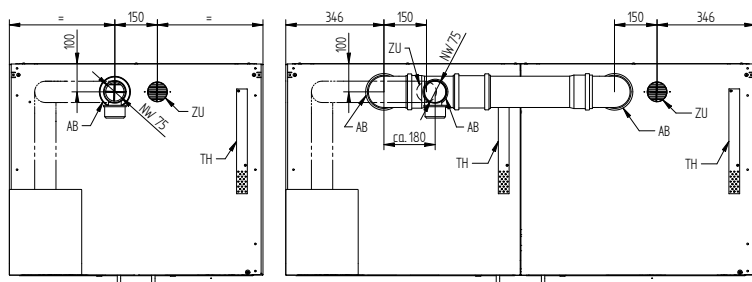
2.2

Model size		LL 1	LL 2	XXL 1	XXL 2	XXL 3
H	[mm] [inch]	2045 80.51	2045 80.51	2045 80.51	2045 80.51	2045 80.51
B	[mm] [inch]	894 35.2	894 35.2	1654 65.19	1654 65.19	1654 65.19
T	[mm] [inch]	747 29.41	747 29.41	747 29.41	747 29.41	747 29.41
T1	[mm] [inch]	1123 44.21	1123 44.21	1483 58.39	1483 58.39	1483 58.39
Doors		2	2	2	2	2
Tare weight	[kg] [lbs]	460 1014.13	480 1058.22	800 1763.7	820 1807.79	840 1851.88
Interior volume of cabinet	[m ³] [cu. ft.]	0.89 31.43	0.89 31.43	2x 0.83 2x 29.31	2x 0.83 2x 29.31	2x 0.83 2x 29.31

Electrical data - connection

Model size	LL XXL
Voltage/frequency [V~Hz]	230 ~ 50

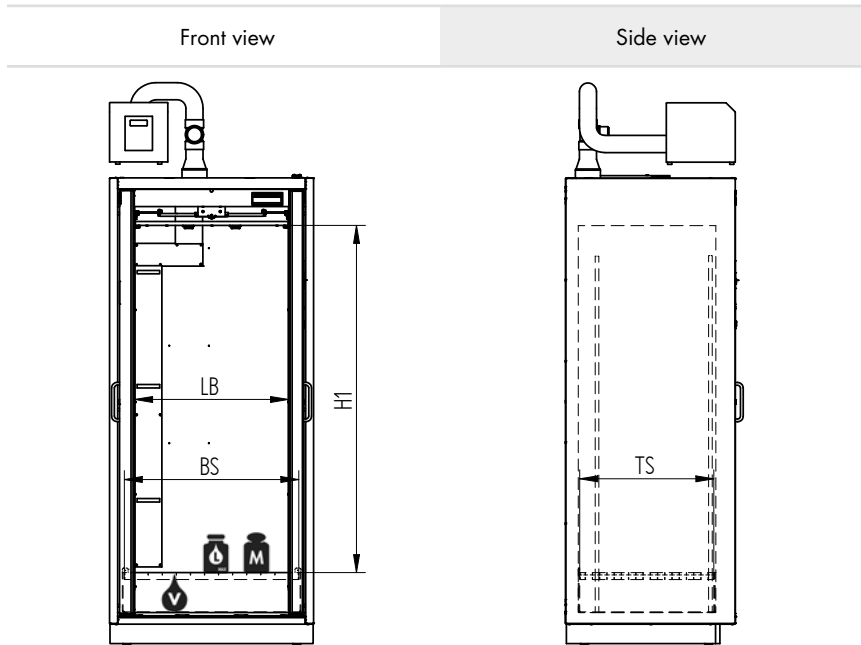
Top view - more details



AB: Exhaust air connection
ZU: Air supply
TH: Thermocouple

Tech specs SUPPLY line - Type 90

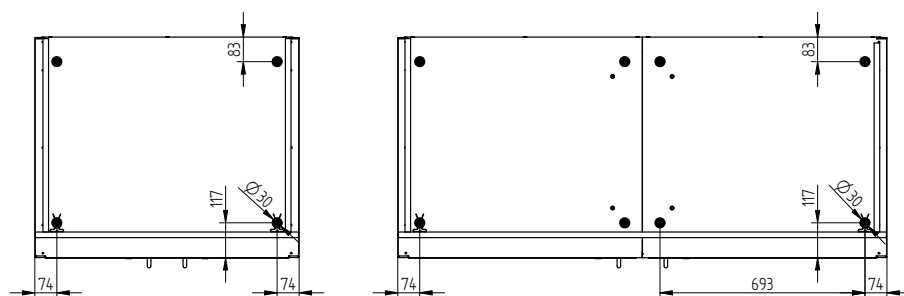
Technical details | Adjustable heights - SUPPLY line



Model size		LL 1	LL 2	XXL 1	XXL 2	XXL 3
BS	[mm] [inch]	765 30.12	765 30.12	702 27.64	702 27.64	702 27.64
LB	[mm] [inch]	674 26.54	674 26.54	2x 685 2x 26.97	2x 685 2x 26.97	2x 685 2x 26.97
TS	[mm] [inch]	588 23.15	588 23.15	588 23.15	588 23.15	588 23.15
H1	[mm] [inch]	1522 59.92	1177 46.34	L/R: 1522 L/R: 59.92	L: 1522 R: 1177 L: 59.92 R: 46.34	L/R: 1177 L/R: 46.34
M	[kg] [lbs]	250 551.16	250 551.16	250 551.16	250 551.16	250 551.16
L	[l] [gal]	60 15.85	60 15.85	60 15.85	60 15.85	60 15.85
V	[l] [gal]	66 17.44	220 58.12	66 17.44	220 58.12	66 / 220 17.44 / 58.12
Max. additional load	[kg] [lbs]	360 793.66	360 793.66	2x 360 2x 793.66	2x 360 2x 793.66	2x 360 2x 793.66

- BS: Width of standing surface, in millimetres
- LB: Clear width, in millimetres
- TS: Depth of standing surface, in millimetres
- M: Load bearing capacity per storage shelf (uniformly distributed), in kilograms
- L: Maximum volume of the largest individual container, in litres
- V: Max. collection volume, in litres

Detail - adjustable feet



- Standing surface of adjustable foot

COMPLEX line **2.3**



Safety storage cabinets for supply from drums - system solution

TÜV Süd
Certificate explorer



Tested and TÜV-certified
complete system for supply
acc. to TRGS 509.



Your added advantage with the COMPLEX line!

» **Health**

Object and air curtain extraction directly at the tap
minimize the explosive atmosphere when filling.

» **Safety**

Safe media extraction from canisters and drums into
smaller containers in accordance with TRGS 509.

» **Working safety**

Conductive powder coating as a standard and
integrated earthing system according to TRGS 727.

The safety storage cabinets of the COMPLEX line are ideal for efficiently and safely withdrawing media.
All COMPLEX line cabinets have a wide range of additional functions that make working easier and safer.

2.3



1 Ventilation on each cabinet level

Object and air curtain extraction and additional optical control of the venting cut-off flaps.

2 Media pump

Activation of the media pump by means of a valve.
In case of fire, an automatic pump emergency stop is triggered with closing of the doors.

3 Media extraction

Safe media extraction with self-closing tap from a 200 litre (52.83 gal) drum into smaller containers in accordance with TRGS 509.

4 Filling speed control

The filling speed can be adjusted continuously by means of a pressure reducer.

5 Prevention of ignition hazards

The electrically conductive interior fittings and earthing cables with crocodile clips are conductively connected to the equipotential bonding saddles on the cabinet roof in accordance with TRGS 727.

6 Full extension for 200 litre drum

Simple loading and unloading with a 200 litre (52.83 gal) drum with easy-moving heavy load drawer (optional), load bearing capacity 250 kg (551.16 lbs).



COMPLEX line – Type 90

The COMPLEX line Type 90 from DÜPERTHAL is a certified system solution specially designed for the removal of media from drums into smaller containers. The easy startup due to ready to plug-in, pre-assembled connections enables flexible work processes and more efficient organisation of the internal value chain.



COMPLEX LL



COMPLEX XXL

Interior fittings:

- » Supply system with automatically closing tap (dead man's switch), including extraction at the filling point and standing surface.
- » Media hoses made of PTFE-el with stainless steel cover, with foot valve on the suction side.
- » Explosion-proof compressed-air media pump with pressure relief when the doors are closed.
- » Bottom tray made of conductive, powder-coated sheet steel and galvanised grating.
- » Optional: Heavy load drawer with safety locking for 200 litre drums, conductive, in gentian blue similar to RAL 5010.

Construction:

- » Wing doors made of conductive powder-coated sheet steel.
- » Outer carcass made of conductive powder-coated sheet steel.
- » Inner carcass made of conductive powder-coated sheet steel.

Colour standard version:

- » Wing doors in gentian blue, similar to RAL 5010.
- » Complete carcass in light grey, similar to RAL 7035.
- » Base in slate grey RAL 7015.

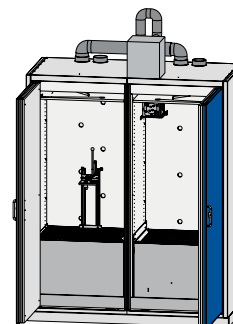
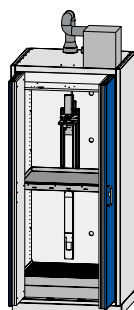
Gentian blue
RAL 5010

Light grey
RAL 7035

Tested safety at a very high level including:


DIN EN 14470-1
DIN EN 14727
DIN EN 60079-10-1


Ordering information



2.3

Ref. no.

with exhaust air monitoring unit and ventilator

with exhaust air monitoring unit

Details**Dimensions**Outer [mm]
(width x depth x height) [inch]Inner [mm]
(width x depth x height) [inch]Weight [kg]
[lbs]**Storage capacity/standing surface**
(approx. data)Size [50/60 l]
[13.21/15.85 gal]
[200 l]
[52.83 gal]**Ref. no.****Additional interior fittings** **Material**

Bottom tray, standing surface and drainboard Stainless steel V2A

Bottom tray, standing surface and drainboard Stainless steel V4A

Heavy load drawer with safety locking for 200 litre (52.83 gal) drum, load bearing capacity 250 kg (551.16 lbs).

COMPLEX LL

with one-hand wing door technology

59-200971-007

59-200971-008

1 explosion-proof compressed-air media pump incl. suction pipe (length 1000 mm/ 39.37 inch), 1 self-closing tap, connection pipes with couplings, 2 earthing cables with crocodile clips, 1 bottom tray with grating for 60 l (15.85 gal) drum and base

895 x 745 x 2080
35.24 x 29.33 x 81.89799 x 595 x 1830
31.46 x 23.43 x 72.05442
974.44

2 drums

–

on request

on request

–

COMPLEX XXL

with classical wing door technology

59-201773-007

59-201773-008

1 explosion-proof compressed-air media pump incl. suction pipe (length 1000 mm/ 39.37 inch), 1 self-closing tap, connection pipes with couplings, 2 earthing cables with crocodile clips, 2 bottom trays with grating for 200 l (52.83 gal) drum and base

1655 x 745 x 2080
65.16 x 29.33 x 81.89L/R: 744 x L/R: 595 x L/R: 1160
L/R: 29.29 x L/R: 23.43 x L/R: 45.67895
1973.14

–

2 drum

on request

on request

49-80970-069

Other accessories on page 226. Other technical details and dimensions from page 227 onwards.

Accessories - varied and flexible

Adjust your DÜPERTHAL safety storage cabinet to meet your requirements even better with a variety of accessories. To make your workplace more efficient and safer.



Compressor

as an independent energy source for compressed air - ideal for operating the drum station.



Drum wrench

for easy opening and closing of drums, prevents spark formation.



Cabi2Net

for central control of work processes. Configuration according to individual requirements.



Heavy load drawer

with safety locking for 200 litre (52.83 gal) drums, conductive, in gentian blue similar to RAL 5010.



Drum lifter

for picking up and transporting 200 l (52.83 gal) drums. Ideally used with heavy load drawer.



Platform lifter

Ideal for lifting and transporting drums and canisters when used together with a transport unit with rollers.



Transport unit with rollers

with arrest system for easy intake of drums and canisters.



Absorber cloths

Absorber cloths are specially designed for use with chemicals and are thus ideal for picking up spilled hazardous substances.

Accessories

Cabi2Net

Red-Box

Optional extras

Compressor, 6 bar (87 psi), low noise level 38 dB(A), 0.13 kW, 230V/50Hz, incl. 5 m (3.28 ft) pneumatic hose, ready to plug in

Platform lifter, load bearing capacity 100 kg (220.46 lbs)

Transport unit with rollers - left | right

Transport unit with rollers and additional front rollers - left | right

Drum lifter with quick lift for 200 l (52.83 gal) drums, load bearing capacity 300 kg (661.39 lbs)

Drum wrench

Canister made of conductive PE

Vacuum and pressure compensation valves 2" for drums

Absorber

Ref. no.

on request

2.233.04

50-70000-046

1.31.050

1.31.051 | 1.31.052

1.31.053 | 1.31.054

1.31.045*

1.808.05

see programme section 8 or at www.dueperthal.com

see programme section 9 or at www.dueperthal.com

see programme section 10 or at www.dueperthal.com

Technical details - COMPLEX line

Model size			LL	XXL
Load bearing capacity with uniformly distributed load (maximum load capacity/standing surface)	[kg] [lbs]	Shelf	75 165.35	75 165.35
		Heavy load drawer	250 551.16	250 551.16
		Grating	250 551.16	250 551.16
Maximum volume of the largest individual container which may be stored in the cabinet	[l] [gal]	left side	60 15.85	200 52.83
	[l] [gal]	right side		200 52.83
Collection volume bottom tray	[l] [gal]	left side	66 17.44	220 58.12
	[l] [gal]	right side		220 58.12
Operating pressure (on site) via compressed air or nitrogen	max. [bar]		4	4
	max. [psi]		58	58
Volumetric flow rate with 10-fold air exchange	approx. [m ³ /h]		10	20
	approx. [cubic ft/h]		353.1	706.2
Required extraction flow rate for filling and transferring (active storage*)	approx. [m ³ /h]		>21	>42
	approx. [cubic ft/h]		>750	>1450
Pressure drop in the cabinet	[Pa]		<1	<1
	[Psi]		<1	<1

* Note

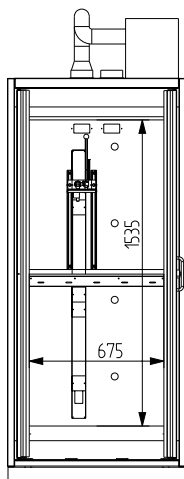
The continuously upcoming (24h) exhaust air flow rate of the installation must be monitored during filling and transferring (active storage) to detect failure of the required air stream and to at least trigger an alarm.

Zoning

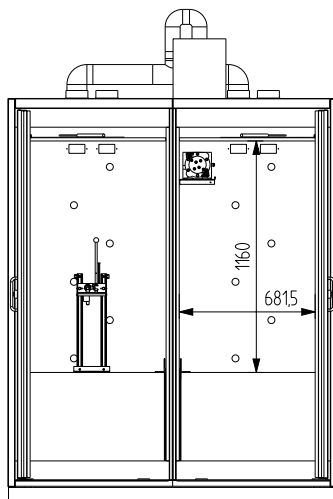
When the required extraction volume flow is complied with, in general the ratio to the filling volume flow is sufficient, so that the lower explosion protection limit (UEG) is exceeded for a short time only. Therefore, an ex-zone 2 can be expected in the cabinet interior. For risk assessment, the COMPLEX line has to be assessed in connection with its actual application. In this context, it may be necessary to adjust the ex-zones, the exhaust air flow rate or both.

Inner dimensions [mm] - COMPLEX line

COMPLEX LL



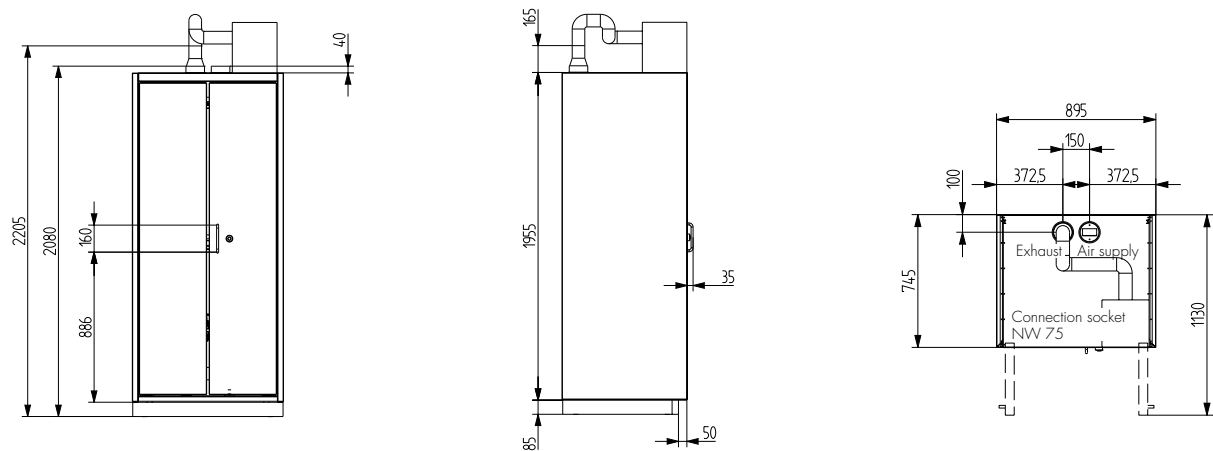
COMPLEX XXL



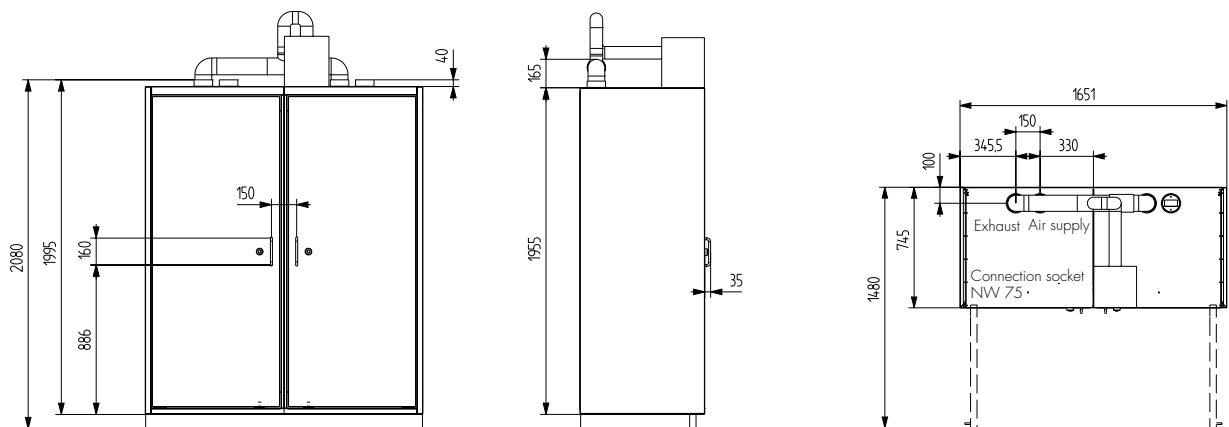
Tech specs COMPLEX line - Type 90

Front view	Side view	Top view
------------	-----------	----------

COMPLEX LL



COMPLEX XXL



ACTCOM line **2.4**



Safety storage cabinets for supply and disposal - system solution

TÜV Süd
Certificate explorer



Your added advantage with the ACTCOM line!

» Health

Object and air curtain extraction during filling, floor extraction and ventilation in the cabinet interior.

» Safety

Secure supply and disposal of media in accordance with TRGS 509.

» Working safety

Conductive powder coating as a standard and integrated earthing system according to TRGS 727.



Tested and TÜV-certified
complete system for supply and
disposal acc. to TRGS 509.

The ACTCOM line is the system solution for providing media and also for disposing of accrued wastes. The equipment is individually configured in agreement with you and adapted exactly to your requirements. The ACTCOM line has a wide range of additional functions that make working easier and safer.



1 Supply

Secure supply of media via capillary hoses directed through pipe penetration according to TRGS 509.

2 Disposal

The pull-out trays for insertion of disposal canisters provide maximum handling convenience. The canisters are suitable to be equipped with fill level probes, optionally a capacitive probe or with a float probe.

3 Ventilation

Ventilation at every cabinet level, visual inspection of the venting cut-off flaps. Object extraction directly at the filling point.

4 Arrest system

As a standard, the doors are fitted with an arrest system. In case of fire, a thermocouple automatically closes the doors without blocking.

5 Ventilation monitoring

The exhaust air monitoring unit integrated as a standard monitors the required exhaust air flow rate.

6 Base design makes the cabinet easily accessible

The adjustable feet have an extra large bearing surface for easy alignment and level adjustment.

ACTCOM line - Type 90

The ACTCOM line Type 90 is designed for efficient and safe supply and disposal in a confined space as per TRGS 509. The media are removed from standard solvent containers via hose systems. After use the solvents are safely fed to the disposal system via the flexible VisiCon® collection system (see programme section 2.6).



ACTCOM XL

Interior fittings:

- » Supply and disposal system prepared, adapted to your individual requirements.
- » Pull-out trays made of conductive powder-coated sheet steel.

Construction:

- » Wing doors made of conductive powder-coated sheet steel.
- » Outer carcass made of conductive powder-coated sheet steel.
- » Inner carcass made of conductive powder-coated sheet steel.

Colour standard version:

- » Wing doors in gentian blue, similar to RAL 5010.
- » Complete carcass in light grey, similar to RAL 7035.
- » Base in slate grey RAL 7015.

Gentian blue
RAL 5010

Light grey
RAL 7035



Tested safety at a very high level including:

Ordering information



DIN EN 14470-1
DIN EN 14727
DIN EN 60079-10-1



2.4

Ref. no.

with exhaust air monitoring unit and ventilator

with exhaust air monitoring unit

Details

Dimensions

Outer [mm]
(width x depth x height) [inch]

Inner [mm]
(width x depth x height) [inch]

Weight [kg]
[lbs]

Storage capacity/standing surface (approx. data)

Size [30 l]
[7.93 gal]

Ref. no.

Additional interior fittings Material

Bottom tray, funnel shelf and grating Stainless steel V2A

Bottom tray, funnel shelf and grating Stainless steel V4A

Funnel shelf PE-el

Shelf Sheet steel

ACTCOM XL

with classical wing door technology

on request

on request

System for supply and disposal of media, adapted to your individual requirements

1194 x 612 x 2085
47.00 x 24.10 x 82.09

1098 x 469 x 1700
43.23 x 18.46 x 66.93

469
1033.97

–

on request

on request

on request

–

Further accessories on Page 240 - DISPOSAL line. Other technical details and dimensions from page 234 onwards.

Tech specs ACTCOM XL – Type 90

Technical details - ACTCOM line

Model size			XL
Load bearing capacity with uniformly distributed load (maximum load capacity/shelf)	[kg]	Storage shelf	75
	[lbs]		165.34
	[l]	Pull-out shelf	40
	[gal]		10.57
Maximum volume of the largest individual container which may be stored in the cabinet	[l]		30
	[gal]		7.93
Collection volume bottom tray	approx. [m ³ /h]		33
	approx. [cubic ft/h]		1165.23
Volumetric flow rate with 10-fold air exchange	approx. [m ³ /h]		10
	approx. [cubic ft/h]		353.1
Required extraction flow rate for transfer (active storage*)	approx. [m ³ /h]		>21
	approx. [cubic ft/h]		>750
Pressure drop in the cabinet	[Pa]		<10
	[Psi]		<10

* Note

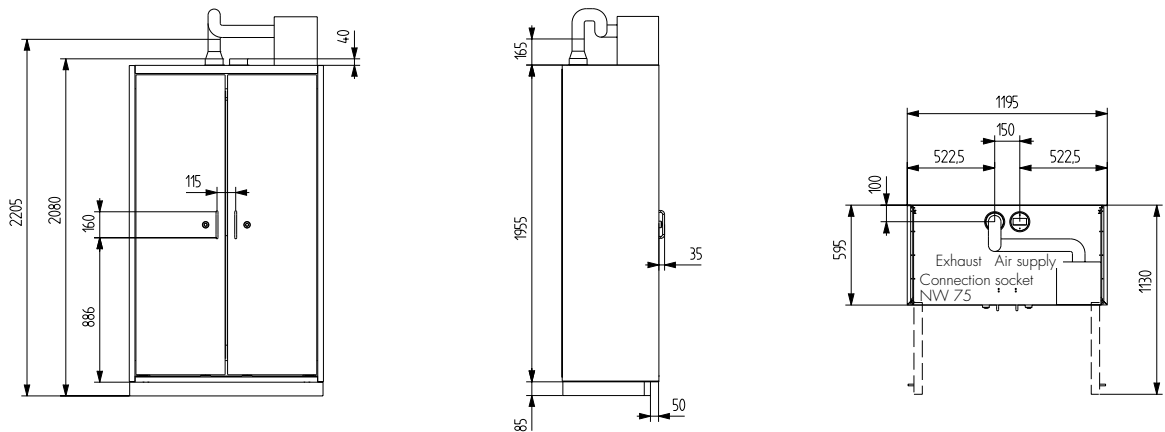
The continuously upcoming (24h) exhaust air flow rate of the installation must be monitored during filling and transferring (active storage) to detect failure of the required air stream and to at least trigger an alarm.

Zoning

When the required extraction volume flow is complied with, in general the ratio to the filling volume flow is sufficient, so that the lower explosion protection limit (UEG) is exceeded for a short time only. Therefore, an ex-zone 2 can be expected in the cabinet interior and at the filling point. For risk assessment, the DISPOSAL line (ACTCOM XL) has to be assessed in connection with its actual application. In this context, it may be necessary to adjust the ex-zones, the exhaust air flow rate or both.

Front view	Side view	Top view
------------	-----------	----------

ACTCOM XL



DISPOSAL line | DISPOSAL UTS ergo line[®]
DISPOSAL BENCH line | HPLC service station

2.5



Safety storage cabinets for disposal - system solution

TÜV Süd
Certificate explorer



Your added advantage with the DISPOSAL line!

» Health

Object and air curtain extraction during filling minimise the explosive atmosphere.

» Safety

Secure media disposal or transfer in containers up to 30 litres (7.93 gal) in accordance with TRGS 509.

» Working safety

Conductive powder coating as a standard and integrated earthing system according to TRGS 727.



Tested and TÜV-certified
complete system for disposal
acc. to TRGS 509.

Specially designed to store different chemical wastes, the DISPOSAL line is equipped with varied additional functions to make work easier and safer. From the great variety of optional extras, choose those which are ideally suited to your laboratory. Create your own individual work environment tailored to your requirements and work processes.



1 Ventilation

Ventilation at every cabinet level, visual inspection of the venting cut-off flaps. Fume extraction directly at the filling point.

2 Media disposal

Safe media disposal or media transfer via stainless steel VisiCon safety funnel according to TRGS 509.

3 Level monitor

The exhaust and filling level monitor integrated as a standard with touch display for error display and logging warns against overfilling.

4 Easy container change

After releasing the funnel locking device, the funnel may be lifted and the containers may be changed.

5 Ventilation monitoring

The exhaust air monitoring unit integrated as a standard monitors the required exhaust air flow rate.

6 Prevention of ignition hazards

The electrically conductive interior fittings and earthing cables with crocodile clips are conductively connected to the equipotential bonding saddles on the cabinet roof in accordance with TRGS 727.



DISPOSAL line – Type 90

The DISPOSAL line is your flexible solution for handling waste disposal issues when working with a wide range of chemicals. On the following pages, you will find all features and ordering information at a glance.



DISPOSAL M



DISPOSAL L

Interior fittings:

- » Disposal system with funnel shelf, safety funnel and lockable hinged lid, conductive powder-coating.
- » Bottom tray made of conductive, powder-coated sheet steel and galvanised grating.

Construction:

- » Wing doors made of conductive powder-coated sheet steel.
- » Outer carcass made of conductive powder-coated sheet steel.
- » Inner carcass made of conductive powder-coated sheet steel.

Colour standard version:

- » Wing doors in gentian blue, similar to RAL 5010.
- » Complete carcass in light grey, similar to RAL 7035.
- » Base in slate grey RAL 7015.

Gentian blue
RAL 5010

Light grey
RAL 7035

Tested safety at a very high level including:


DIN EN 14470-1
DIN EN 14727
DIN EN 60079-10-1


Ordering information


2.5
Ref. no.

with exhaust air monitoring unit

Details
Dimensions
Outer [mm]
(width x depth x height) [inch]Inner [mm]
(width x depth x height) [inch]Weight [kg]
[lbs]
Storage capacity/standing surface
(approx. data)
Size [30 l]
[7.93 gal]
Ref. no.
Additional interior fittings **Material**

Bottom tray, funnel shelf and grating Stainless steel V2A

Bottom tray, funnel shelf and grating Stainless steel V4A

Funnel shelf PE-el

Shelf Sheet steel

DISPOSAL M

with classical wing door technology

59-200667-035

1 safety funnel with hinged lid made of stainless steel, 2 earthing cables with crocodile clips, 1x 30 litre (7.93 gal) conductive PE canister with 1 capacitive level probe, 1 waste cap with stopcock, 1 exhaust air monitor and level monitor with error indication on the touch display, 1 bottom tray for 30 l (7.93 gal) canister with grating and base

594 x 612 x 2085
23.39 x 24.1 x 82.09498 x 469 x 1700
19.61 x 18.46 x 66.93301
663.59

1

on request

on request

on request

on request

DISPOSAL L

with classical wing door technology

59-200967-035

1 safety funnel with hinged lid made of stainless steel, 2 earthing cables with crocodile clips, 2x 30 litre (7.93 gal) conductive PE canisters with 1 capacitive level probe, 1 waste cap with stopcock, 1 exhaust air monitor and level monitor with error indication on the touch display, 1 bottom tray for 30 l (7.93 gal) canister with grating and base

894 x 612 x 2085
23.39 x 24.1 x 82.09798 x 469 x 1700
31.42 x 18.46 x 66.93469
1033.97

2

on request

on request

on request

on request

Other accessories on page 240. Other technical details and dimensions from page 242 onwards.

Accessories - varied and flexible

From the great variety of optional extras, choose those which are ideally suited to your laboratory. Create your own individual work environment tailored to your requirements and work processes.

**Level monitor**

with control module to warn about overfilling.

**Drum wrench**

for easy opening and closing of drums, prevents spark formation.

**Platform lifter**

Ideal for lifting and transporting drums and canisters when used together with a transport unit with rollers.

**Roller system**

with arrest system for easy intake of drums and canisters.

**Cabi2Net**

for central control of work processes. Configuration according to individual requirements.

**Pipe penetration**

for stainless steel pipes, cables and hoses up to Ø 28 mm (1.1 inch).

**Transport trolley**

in conductive design with antistatic rollers to safely transport hazardous substances.

**Absorber cloths**

Absorber cloths are specially designed for use with chemicals and are thus ideal for picking up spilled hazardous substances.

**VisiCon safety container**

with integrated sight glass and measuring scale.

**Stainless steel funnel**

optionally with fill hole Ø 120 mm (4.72 inch) or Ø 200 mm (7.87 inch).

**Red-Box**

for safely storing documents exactly where they are needed.

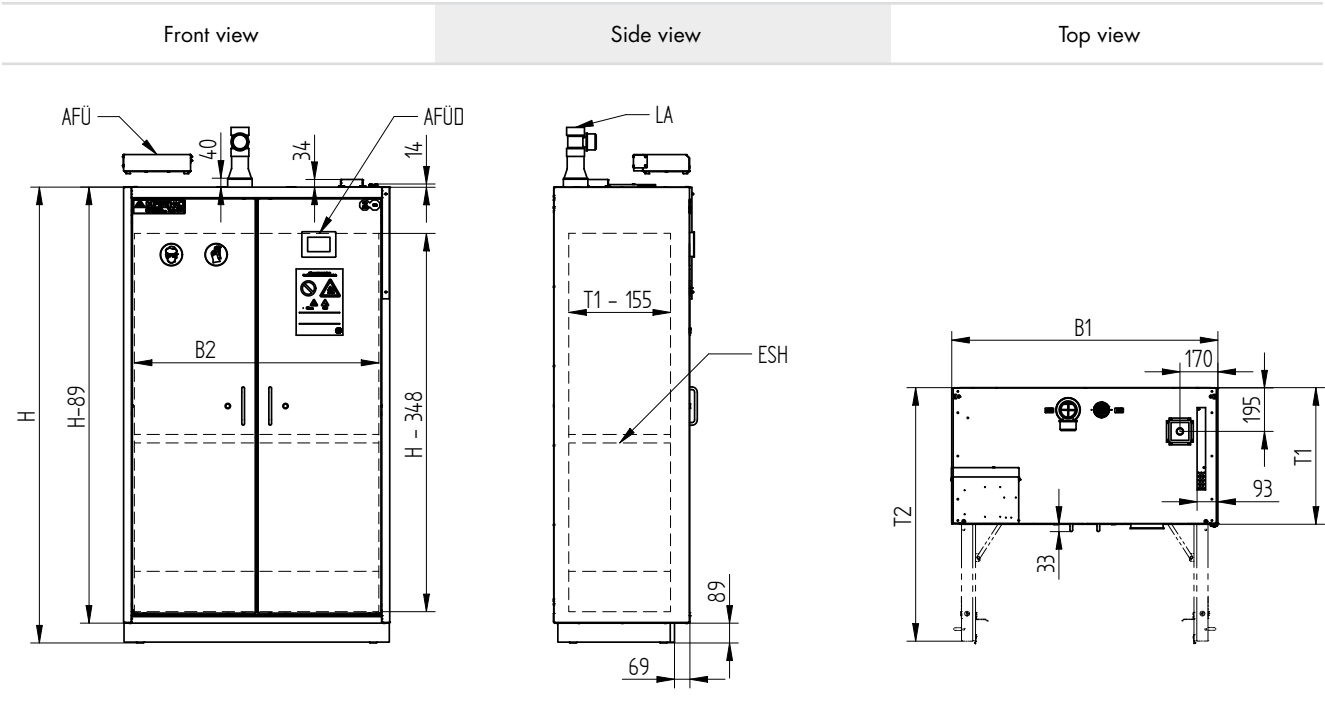
**Canister**

Made of electrostatic conductive polyethylene for the collection and transport of flammable liquids.

Accessories - DISPOSAL line	Ref. no.
Cabi2Net	on request
Pipe penetration (reclosable)	on request
Pipe penetration	49-70000-048
Red-Box	2.233.04
Optional extras	
Platform lifter, load bearing capacity 100 kg (220.46 lbs)	1.31.050
Transport unit with rollers - left right	1.31.051 1.31.052
Transport unit with rollers and additional front rollers - left right	1.31.053 1.31.054
Centering flaps for transport unit	1.31.055
Transport trolley for flammable media	7.02.100
Canister made of conductive PE, 10 litre (2.64 gal)	5.09.010
Canister made of conductive PE, 20 litre (5.28 gal)	5.09.020
Canister made of conductive PE, 30 litre (7.93 gal)	5.09.030
Canister made of conductive PE, 60 litre (15.85 gal)	5.09.060
VisiCon safety funnel with pipe (d = 200 mm/7.87 inch) for immersed filling	on request
VisiCon safety funnel (d = 120 mm/4.72 inch) with pipe socket to directly fill containers without hose	on request
VisiCon safety funnel (d = 200 mm/7.87 inch) with pipe socket to directly fill containers without hose	on request
VisiCon - safety container, 1 litre (0.26 gal)	5.90.001
VisiCon - safety container, 2 litre (0.53 gal)	5.90.002
Vacuum and pressure compensation valves 2" for drums	see programme section 9 or at www.dueperthal.com
Drum wrench	1.808.05
Absorber	see programme section 10 or at www.dueperthal.com

Tech specs DISPOSAL line – Type 90

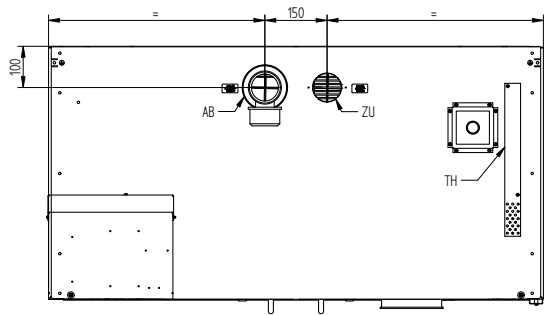
Technical details - DISPOSAL line



Model size		M	L
H	[mm]	2045	2045
	[inch]	80.51	80.51
B1	[mm]	594	894
	[inch]	23.39	35.20
B2	[mm]	497	797
	[inch]	19.57	31.38
T1	[mm]	612	612
	[inch]	24.09	24.09
T2	[mm]	1100	990
	[inch]	43.31	38.98
Türen		1	2

AFÜ: Exhaust and filling level monitor unit
AFÜD: Exhaust and filling level monitor display
ESH: Adjustable heights and standing surface dimensions
LA: Connection socket

Top view - more details



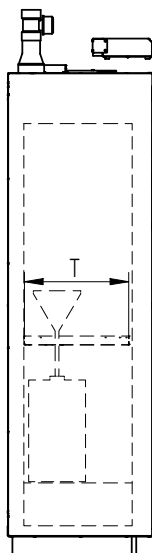
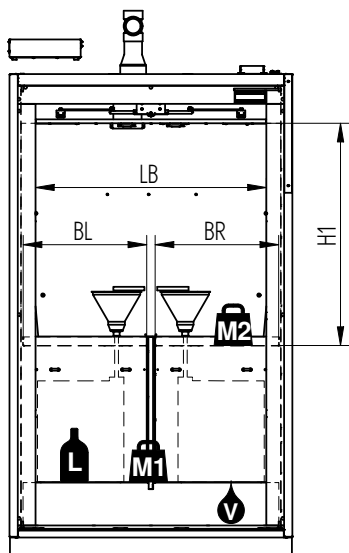
NW: 110 (4.33) with adapter 75 (2.95)
AB: Exhaust air connection
ZU: Air supply
TH: Thermocouple

Tech specs DISPOSAL line – Type 90

Technical details | Adjustable heights - DISPOSAL line

Front view

Side view



2.5

Model size		M	L
BL	[mm]	481	429
	[inch]	18.94	16.89
BR	[mm]	–	310
	[inch]		12.20
LB	[mm]	374	674
	[inch]	14.72	26.54
T	[mm]	439	439
	[inch]	17.28	17.28
H1	[mm]	937	937
	[inch]	36.89	36.89
M1	[kg]	250	250
	[lbs]	551.16	551.16
M2	[kg]	0	0
	[lbs]		
L	[l]	30	30
	[gal]	7.93	7.93
V	[l]	33	33
	[gal]	8.72	8.72
Funnel		[number of]	1
Tare weight	[kg]	350	485
	[lbs]	771.62	1069.24
Max. additional load	[kg]	325	325
	[lbs]	716.50	716.50

BL: Inner width of shelf left, in millimetres
 BR: Inner width of shelf right, in millimetres
 LB: Clear width, in millimetres
 T: Inner depth of shelf, in millimetres
 H1: Inner height of shelf, in millimetres
 M1: Load bearing capacity per grating (durable), in kilograms
 M2: Load bearing capacity per shelf (durable), in kilograms
 L: Max. collection volume, in litres
 V: Max. collection volume, in litres

Safety storage cabinets for disposal

TÜV Süd
Certificate explorer



Your added advantage with the DISPOSAL line!

» Health

Object and air curtain extraction during filling, floor extraction and ventilation in the cabinet interior.

» Safety

Secure media disposal or transfer in containers up to 20 litres (5.28 gal) in accordance with TRGS 509.

» Working safety

Conductive powder coating as a standard and integrated earthing system according to TRGS 727.



Tested and TÜV-certified
complete system for disposal
acc. to TRGS 509.

Specially designed to store different chemical wastes, the DISPOSAL UTS ergo line and the DISPOSAL BENCH line are equipped with varied additional functions to make work easier and safer. From the great variety of optional extras, choose those which are ideally suited to your laboratory. Create your own individual work environment tailored to your requirements and work processes.



1 Push-to-open wing doors

Very easy-moving push-to-open wing doors can be opened by light pressure on the front.

2 Media disposal

Automatically extending pull-out trays ensure maximum handling convenience. The canisters are suitable to be equipped with fill level probes, optionally a capacitive probe or with a float probe.

3 Level monitor

The exhaust and filling level monitor integrated as a standard with touch display for error display and logging warns against overfilling.

4 Air curtain extraction

The air supply and exhaust air vents are ideally placed for visual checking.

5 Prevention of ignition hazards

The electrically conductive interior fittings and earthing cables with crocodile clips are conductively connected to the equipotential bonding saddles in the rear of the cabinet in accordance with TRGS 727.

6 VisiCon Waste Collection System - funnel set

Funnel set for custom installation in exhaust hoods or workbenches. It is connected up continuously to the canister with a PTFE-el hose with a smooth interior and anti-kinking sleeve.

DISPOSAL UTS ergo line[®] – Type 90

DISPOSAL BENCH line – Type 90

The DISPOSAL UTS ergo line and DISPOSAL BENCH line are your flexible solution for handling waste disposal issues when working with a wide range of chemicals. On the following pages, you will find all features and ordering information at a glance.



DISPOSAL UTS ergo S 1



DISPOSAL UTS ergo LD



DISPOSAL BENCH S

Interior fittings:

- » When the door is opened, an automatically extending pull-out tray made of conductive, powder-coated sheet steel, interior fittings DISPOSAL UTS ergo S 3 made of stainless steel.
- » Conductive disposal system.

Construction:

- » Wing door made of conductive powder-coated sheet steel.
- » Outer carcass made of conductive powder-coated sheet steel.
- » Inner carcass made of conductive powder-coated sheet steel.

Colour standard version:

- » Wing doors in gentian blue, similar to RAL 5010.
- » Complete carcass in light grey, similar to RAL 7035.
- » Base in slate grey RAL 7015.

Gentian blue
RAL 5010

Light grey
RAL 7035



HPLC service station – Type 90

The HPLC service station is your flexible solution for handling waste disposal issues in high performance liquid chromatography. On the following page, you will find all ordering information at a glance.

2.5



HPLC service station S

For process reliability

Using the HPLC service station allows you to comply with a great variety of laws, regulations and directives, especially the safety requirements of TRGS 509 for filling and transfer stations. System-aided working ensures process reliability in a sustainable way and can thus be taken into account in your risk assessment.

HPLC service station consisting of:

- » DISPOSAL UTS ergo line S
- » Service rack

Interior fittings:

- » Pull-out tray made of conductive powder-coated sheet steel.
- » 7 electrical sockets at the rear of the cabinet.
- » Standing surface, e.g. for PC.

Construction:

- » Wing door made of conductive powder-coated sheet steel.
- » Outer carcass made of conductive powder-coated sheet steel.
- » Inner carcass made of conductive powder-coated sheet steel.
- » Service rack made of high-quality decor panels.
- » PC shelf made of powder-coated sheet steel.
- » Base in ToeKick version.

Colour standard version:

- » Wing doors in gentian blue, similar to RAL 5010.
- » Complete carcass in light grey, similar to RAL 7035.
- » Base in slate grey RAL 7015.

Gentian blue
RAL 5010

Light grey
RAL 7035

Ordering information



Ref. no.

with classical door technology

with push-to-open door technology

Details

Dimensions

Width	[mm] [inch]
Depth	[mm] [inch]
Height (classical)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[5 l/1.32 gal] [10 l/2.64 gal] [20 l/5.28 gal]
------	------------------------------------------------------

Ref. no.

Additional interior fittings Material:

Classical base 85 mm/3.35 inch (instead of 35 mm/1.38 inch)
ToeKick base 85 mm/3.35 inch
Roller set

DISPOSAL UTS ergo S 1

with 5 litre (1.32 gal) canisters

59-060667-036

59-060669-036

1 pull-out tray, 1 canister guidance, 3x 5 litre (1.32 gal) conductive PE canisters with 1 capacitive level probe, 1 waste cap with stopcock, electrically conductive PTFE hose with a length of 1.5 m (59.06 inch) and a 1/2" connection for a funnel, 1 pipe penetration with stainless steel pipe, 1 exhaust air monitor and level monitor with error indication on the touch display, 1 earthing cable with crocodile clip and classical base 35 mm (1.38 inch)

Outer	Inner
600 23.62	503 19.8
593 23.35	463 18.23
631 24.84	480 18.9
130 286.6	

DISPOSAL UTS ergo S 2

with conductive 10 litre (2.64 gal) canisters

59-060667-035

59-060669-035

1 pull-out tray, 1 canister guidance, 2x 10 litre (2.64 gal) conductive PE canisters with 1 capacitive level probe, 1 waste cap with stopcock, electrically conductive PTFE hose with a length of 1.5 m (59.06 inch) and a 1/2" connection for a funnel, 1 pipe penetration with stainless steel pipe, 1 exhaust air monitor and level monitor with error indication on the touch display, 1 earthing cable with crocodile clip and classical base 35 mm (1.38 inch)

Outer	Inner
600 23.62	503 19.8
593 23.35	463 18.23
631 24.84	480 18.9
130 286.6	

3	PE canisters	–
–		2 PE canisters (conductive)
–		–

29-10660-084	29-10660-084
29-10660-085	29-10660-085
29-10900-011	29-10900-011

Other accessories on page 251. Other technical details and dimensions from page 253 onwards.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727
DIN EN 60079-10-1



2.5

DISPOSAL UTS ergo S 3	DISPOSAL UTS ergo LD	DISPOSAL BENCH S
with conductive 10 litre (2.64 gal) canisters	with conductive 10 litre (2.64 gal) canisters	with conductive 20 litre (5.28 gal) canisters

59-060667-010	59-061167-035	59-080667-035
59-060669-010	59-061169-035	59-080669-035

1 pull-out tray, 1 canister guidance, 2x 10 litre (2.64 gal) conductive PE canisters with 1 capacitive level probe, 2 drip pans stainless steel V4A, direct (fume) extraction on canister opening, funnel stainless steel V4A with lid for immersed filling, funnel housing PE electroconductive with anti-rotation device, 1 pipe penetration, 1 exhaust air monitor and level monitor with error indication on the touch display, 1 earthing cable with crocodile clip and classical base 35 mm (1.38 inch)	2 pull-out trays, 2 canister guidances, 4x 10 litre (2.64 gal) conductive PE canisters with 2 capacitive level probes, 2 waste caps with stopcock, electrically conductive PTFE hoses with a length of 1.5 m (59.06 inch) and a 1/2" connection for a funnel, 1 pipe penetration with stainless steel pipe, 1 exhaust air monitor and level monitor with error indication on the touch display, 2 earthing cables with crocodile clip and classical base 35 mm (1.38 inch)	1 pull-out tray, 1 canister guidance, 2x 20 litre (5.28 gal) PE canisters with 1 capacitive level probe, 1 waste cap with stopcock, electrically conductive PTFE hose with a length of 1.5 m (59.06 inch) and a 1/2" connection for a funnel, 1 pipe penetration with stainless steel pipe, 1 exhaust air monitor and level monitor with error indication on the touch display, 1 earthing cable with crocodile clip and classical base 35 mm (1.38 inch)
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Outer	Inner	Outer	Inner	Outer	Inner
600 23.62	503 19.8	1100 43.31	L: 490 R: 490 19.3 19.3	600 23.62	503 19.8
593 23.35	463 18.23	593 23.35	463 18.23	593 23.35	463 18.23
631 24.84	480 18.9	631 24.84	480 18.9	831 32.72	680 26.77
130 286.6		210 462.97		145 319.67	

–	–	–
2 PE canisters (conductive)	4 PE canisters (conductive)	2 PE canisters (conductive)
–	–	–

29-10660-084	29-11160-084	29-10660-084
29-10660-085	29-11160-085	29-10660-085
29-10900-011	29-11400-011	29-10900-011

Ordering information

Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727
DIN EN 60079-10-1



HPLC service station S

with one-hand wing door technology push-to-open

Ref. no.

stationary

500002

mobile

500003

Details

1 DISPOSAL UTS ergo line S with 2x 10 litre (2.64 gal) conductive PE canisters,
1 stopcock, 1 earthing cable with crocodile clip, 1 exhaust air monitor with level monitor
and touch display, 1 PC shelf, 7 electrical sockets, 1 HPLC bench penetration, 2 cable
penetrations and ToeKick base 85 mm (3.35 inch)

Abmessungen

Outer [mm]
(width x depth x height) [inch]

900 x 750 x 745
35.43 x 29.53 x 29.33

Inner [mm]
(width x depth x height) [inch]

503 x 463 x 480
19.8 x 18.23 x 18.9

Weight [kg]
[lbs]

170
374.78

Storage capacity/standing surface (approx. data)

Size [10 l/2.64 gal]

2 PE canisters (conductive)

Ref. no.

Additional interior fittings

Monitor arm set, full motion,
including bracket

300-10971-71

Keyboard arm set, extendable,
including mouse pad

300-10971-72

Additional shelf for small parts

300-10971-73

VisiCon - Waste Collection System

see programme section 2.6 or at www.dueperthal.com

Other accessories on page 251. Other technical details and dimensions from page 256 onwards.

Accessories - varied and flexible

Adjust your DÜPERTHAL safety storage cabinet to meet your requirements even better with a variety of accessories. To make your workplace more efficient and safer.

2.5



Cabi2Net

for central control of work processes. Configuration according to individual requirements.



VisiCon - Waste Collection System

for direct feeding of the solvent wastes via the bench penetrations to the cabinets.



Profile system

the flexible alternative to the bench penetration; it can also be used as a standing surface for HPLC systems.



Roller set

ensures easy installation into existing laboratory equipment.



Safety funnel set

made of stainless steel 1.4571, with hinged lid, removable dirt strainer and earthing cable with crocodile clip.



Shelf

Shelf for small parts.



Monitor arm set

Full motion, including bracket, optionally with extendable keyboard arm set and mouse pad.



ToeKick base

for ergonomic and back-friendly working (see additional interior fittings).

Accessories - Disposal systems

Cabi2Net

VisiCon - Waste Collection System / Profile system

Safety funnel set made of stainless steel 1.4571, with hinged lid, removable dirt strainer and earthing cable with crocodile clip, bench penetration, hose adapter 90°, PTFE sealing strip, fill diameter 200 mm (7.87 inch)

Roller set and ToeKick base

Monitor arm set, full motion, including bracket

Keyboard arm set, extendable, including mouse pad

Additional shelf for small parts

Ref. no.

on request

see programme section 2.6 or at www.dueperthal.com

50-70000-211

see page 246-247

300-10971-71

300-10971-72

300-10971-73

Further optional extras

From the great variety of optional extras, choose those which are ideally suited to your laboratory. Create your own individual work environment tailored to your requirements and work processes.



VisiCon safety container
with integrated sight glass and measuring scale.



Float probe
with 1-3 measuring points - on request.



Status query door opening
This sensor can provide an easy way to monitor the status of the door (open/closed).



Temperature sensor
This is an early warning system for the detection of thermal events inside the cabinet.



Transport trolleys
Optionally transport trolleys are available with antistatic rollers to safely transport hazardous substances, see programme section 9.



Absorber cloths
Absorber cloths are specially designed for use with chemicals and are thus ideal for picking up spilled hazardous substances.



Canister
made of electrostatic conductive polyethylene for the collection and transport of flammable liquids.



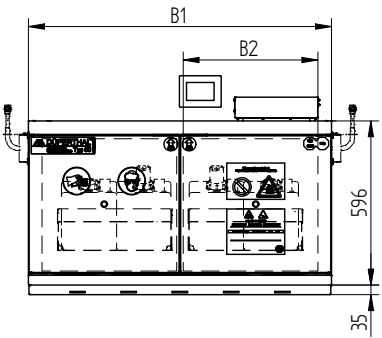
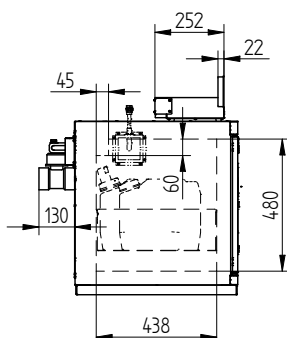
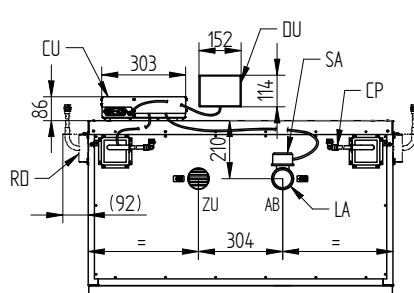
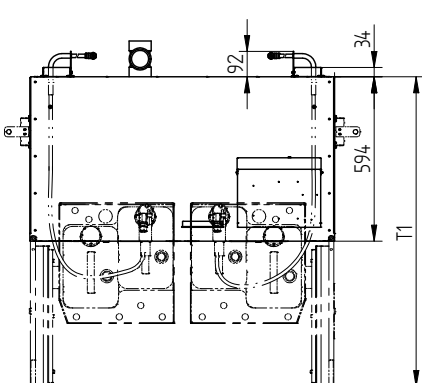
Special pliers
for PE canister to close it adequately with a torque of 20 Nm.

Optional extras
Transport trolley for flammable media
Absorber
Canister made of PE, 5 litre (1.32 gal)
Canister made of conductive PE, 10 litre (2.64 gal)
Canister made of conductive PE, 10 litre (2.64 gal), with sensor support
Canister made of conductive PE, 20 litre (5.28 gal), with sensor support
Special pliers for PE canister
Sensors
Float probe with 1-3 measuring points
VisiCon - safety container, 1 litre (0.26 gal) 2 litre (0.53 gal)
Red-Box

Ref. no.
7.02.100
see programme section 10 or at www.dueperthal.com
5.09.105
5.09.010
59-10000-098
59-20000-098
5.09.003
see programme section 6 or at www.dueperthal.com
on request
5.90.001 5.90.002
2.233.04

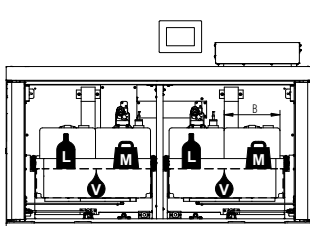
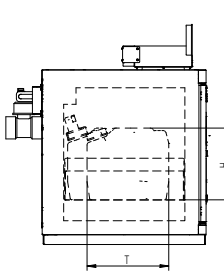
Tech specs DISPOSAL UTS ergo line® – Type 90

Technical details - DISPOSAL UTS ergo line

Front view	Side view	Rear view																		
																				
Top view	<table border="1"> <thead> <tr> <th>Model size</th><th>S</th><th>LD</th></tr> </thead> <tbody> <tr> <td>B1</td><td>[mm] 601 [inch] 23.66</td><td>1100 43.31</td></tr> <tr> <td>B2</td><td>[mm] 503 [inch] 19.8</td><td>2x 489 2x 19.25</td></tr> <tr> <td>T1</td><td>[mm] 1170 [inch] 46.1</td><td>1119 44.1</td></tr> <tr> <td>CU</td><td>Touch display</td><td>Touch display</td></tr> <tr> <td>Doors</td><td>1</td><td>2</td></tr> </tbody> </table>		Model size	S	LD	B1	[mm] 601 [inch] 23.66	1100 43.31	B2	[mm] 503 [inch] 19.8	2x 489 2x 19.25	T1	[mm] 1170 [inch] 46.1	1119 44.1	CU	Touch display	Touch display	Doors	1	2
Model size	S	LD																		
B1	[mm] 601 [inch] 23.66	1100 43.31																		
B2	[mm] 503 [inch] 19.8	2x 489 2x 19.25																		
T1	[mm] 1170 [inch] 46.1	1119 44.1																		
CU	Touch display	Touch display																		
Doors	1	2																		
	<p> LA: Connection socket NW 75 (2.95) AB: Exhaust air connection ZU: Air supply (air supply and exhaust are mirror-inverted for model size S with left stop) CU: Inspection unit (network connection 230V/AC, cable length approx. 2 m (6.56 ft)) DU: Display unit, cable length approx. 5 m (16.4 ft) CP: End piece G ½" [m], hose length approx. 1.5 m/4.92 ft (for model size LD 2x) SA: Sensor exhaust air monitor, cable length ca. 5 m (16.4 ft) RD: Alternative mounting position </p>																			

2.5

Dimensions | Adjustable heights - DISPOSAL UTS ergo line

Front view	Side view	<table border="1"> <thead> <tr> <th rowspan="2">Model size</th><th rowspan="2"></th><th colspan="2">S</th><th colspan="2">LD</th></tr> <tr> <th>5 [l] 1.3 [gal]</th><th>10 [l] 2.6 [gal]</th><th>5 [l] 1.3 [gal]</th><th>10 [l] 2.6 [gal]</th></tr> </thead> <tbody> <tr> <td>B</td><td>[mm] [inch]</td><td>149 5.87</td><td>198 7.8</td><td>149 5.87</td><td>198 7.8</td></tr> <tr> <td>T</td><td>[mm] [inch]</td><td>191 7.52</td><td>298 11.73</td><td>191 7.52</td><td>298 11.73</td></tr> <tr> <td>H</td><td>[mm] [inch]</td><td>256 564.38</td><td>264 582.02</td><td>256 564.38</td><td>264 582.02</td></tr> <tr> <td>M</td><td>[kg] [lbs]</td><td>45 99.21</td><td>45 99.21</td><td>45 99.21</td><td>45 99.21</td></tr> <tr> <td>L - Monitored</td><td>[l] [gal]</td><td>1x 5 1x 1.3</td><td>1x 10 1x 2.6</td><td>2x 5 2x 1.3</td><td>2x 10 2x 2.6</td></tr> <tr> <td>L - Reserve</td><td>[l] [gal]</td><td>2x 5 2x 1.3</td><td>1x 10 1x 2.6</td><td>4x 5 4x 1.3</td><td>2x 10 2x 2.6</td></tr> <tr> <td>V</td><td>[l] [gal]</td><td>18,7 4.94</td><td>18,7 4.94</td><td>18,1 4.94</td><td>18,1 4.94</td></tr> <tr> <td>Tare weight</td><td>[kg] [lbs]</td><td>130 286.6</td><td>130 286.6</td><td>225 496.04</td><td>225 496.04</td></tr> <tr> <td>Max. additional load</td><td>[kg] [lbs]</td><td>45 99.21</td><td>45 99.21</td><td>45 99.21</td><td>45 99.21</td></tr> </tbody> </table>				Model size		S		LD		5 [l] 1.3 [gal]	10 [l] 2.6 [gal]	5 [l] 1.3 [gal]	10 [l] 2.6 [gal]	B	[mm] [inch]	149 5.87	198 7.8	149 5.87	198 7.8	T	[mm] [inch]	191 7.52	298 11.73	191 7.52	298 11.73	H	[mm] [inch]	256 564.38	264 582.02	256 564.38	264 582.02	M	[kg] [lbs]	45 99.21	45 99.21	45 99.21	45 99.21	L - Monitored	[l] [gal]	1x 5 1x 1.3	1x 10 1x 2.6	2x 5 2x 1.3	2x 10 2x 2.6	L - Reserve	[l] [gal]	2x 5 2x 1.3	1x 10 1x 2.6	4x 5 4x 1.3	2x 10 2x 2.6	V	[l] [gal]	18,7 4.94	18,7 4.94	18,1 4.94	18,1 4.94	Tare weight	[kg] [lbs]	130 286.6	130 286.6	225 496.04	225 496.04	Max. additional load	[kg] [lbs]	45 99.21	45 99.21	45 99.21	45 99.21
Model size		S		LD																																																																	
		5 [l] 1.3 [gal]	10 [l] 2.6 [gal]	5 [l] 1.3 [gal]	10 [l] 2.6 [gal]																																																																
B	[mm] [inch]	149 5.87	198 7.8	149 5.87	198 7.8																																																																
T	[mm] [inch]	191 7.52	298 11.73	191 7.52	298 11.73																																																																
H	[mm] [inch]	256 564.38	264 582.02	256 564.38	264 582.02																																																																
M	[kg] [lbs]	45 99.21	45 99.21	45 99.21	45 99.21																																																																
L - Monitored	[l] [gal]	1x 5 1x 1.3	1x 10 1x 2.6	2x 5 2x 1.3	2x 10 2x 2.6																																																																
L - Reserve	[l] [gal]	2x 5 2x 1.3	1x 10 1x 2.6	4x 5 4x 1.3	2x 10 2x 2.6																																																																
V	[l] [gal]	18,7 4.94	18,7 4.94	18,1 4.94	18,1 4.94																																																																
Tare weight	[kg] [lbs]	130 286.6	130 286.6	225 496.04	225 496.04																																																																
Max. additional load	[kg] [lbs]	45 99.21	45 99.21	45 99.21	45 99.21																																																																
		<p> B: Canister width T: Canister depth H: Canister height M: Load bearing capacity (uniformly distributed) L: Max. volume of the largest individual container V: Max. collection volume </p>																																																																			

Tech specs DISPOSAL UTS ergo line® – Type 90

Technical details - DISPOSAL UTS ergo line S for immersed filling

Front view

Side view

Rear view

Top view

Model size

S

B1	[mm] [inch]	601 23.66
B2	[mm] [inch]	501 19.7
T1	[mm] [inch]	1170 46.1
CU		Touch display
Doors		1

LA: Connection socket NW 75 (2.95)

AB: Exhaust air connection

ZU: Air supply (air supply and exhaust are mirror-inverted for model size S with left stop)

AP: Worktop

CU: Inspection unit (network connection 230V/AC, cable length approx. 2 m (6.56 ft))

DU: Display unit, cable length approx. 5 m (16.4 ft)

SA: Sensor exhaust air monitor, cable length ca. 5 m (16.4 ft)

Dimensions | Adjustable heights - DISPOSAL UTS ergo S for immersed filling

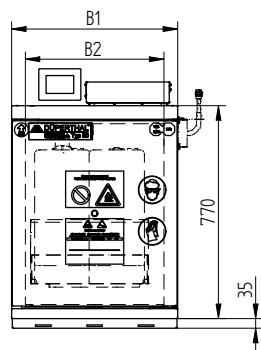
Front view	Side view	Model size	S 10 [l] 2.6 [gal]
		B	[mm] 198 [inch] 7.8
		T	[mm] 298 [inch] 11.73
		H	[mm] 264 [inch] 582.02
		M	[kg] 45 [lbs] 99.21
		L - Monitored	[l] 1x 10 [gal] 1x 2.6
		L - Reserve	[l] 1x 10 [gal] 1x 2.6
		V	[l] 18,7 [gal] 4.94
		Tare weight	[kg] 130 [lbs] 286.6
		Max. additional load	[kg] 45 [lbs] 99.21

B: Canister width
 T: Canister depth
 H: Canister height
 M: Load bearing capacity (uniformly distributed)
 L: Max. volume of the largest individual container
 V: Max. collection volume

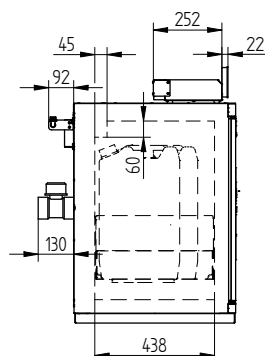
Tech specs DISPOSAL BENCH line – Type 90

Technical details - DISPOSAL BENCH line

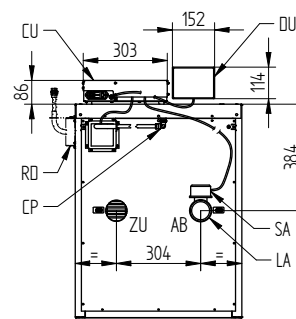
Front view



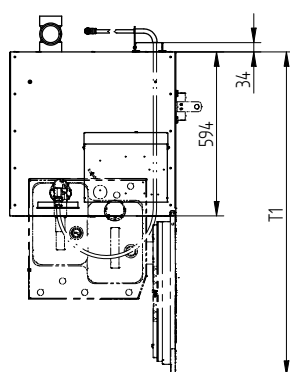
Side view



Rear view



Top view

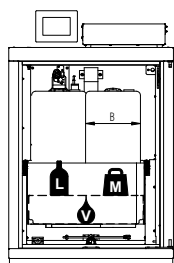


Model size		S
B1	[mm]	601
	[inch]	23.66
B2	[mm]	501
	[inch]	19.7
T1	[mm]	1170
	[inch]	46.1
CU		Touch display
Doors		1

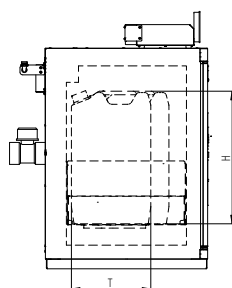
LA: Connection socket NW 75 (2.95)
 AB: Exhaust air connection
 ZU: Air supply (air supply and exhaust are mirror-inverted for model size S with left stop)
 RD: Alternative mounting position
 CU: Inspection unit (network connection 230V/AC, cable length approx. 2 m (6.56 ft))
 DU: Display unit, cable length approx. 5 m (16.4 ft)
 SA: Sensor exhaust air monitor, cable length ca. 5 m (16.4 ft)

Dimensions | heights - DISPOSAL BENCH line

Front view



Side view

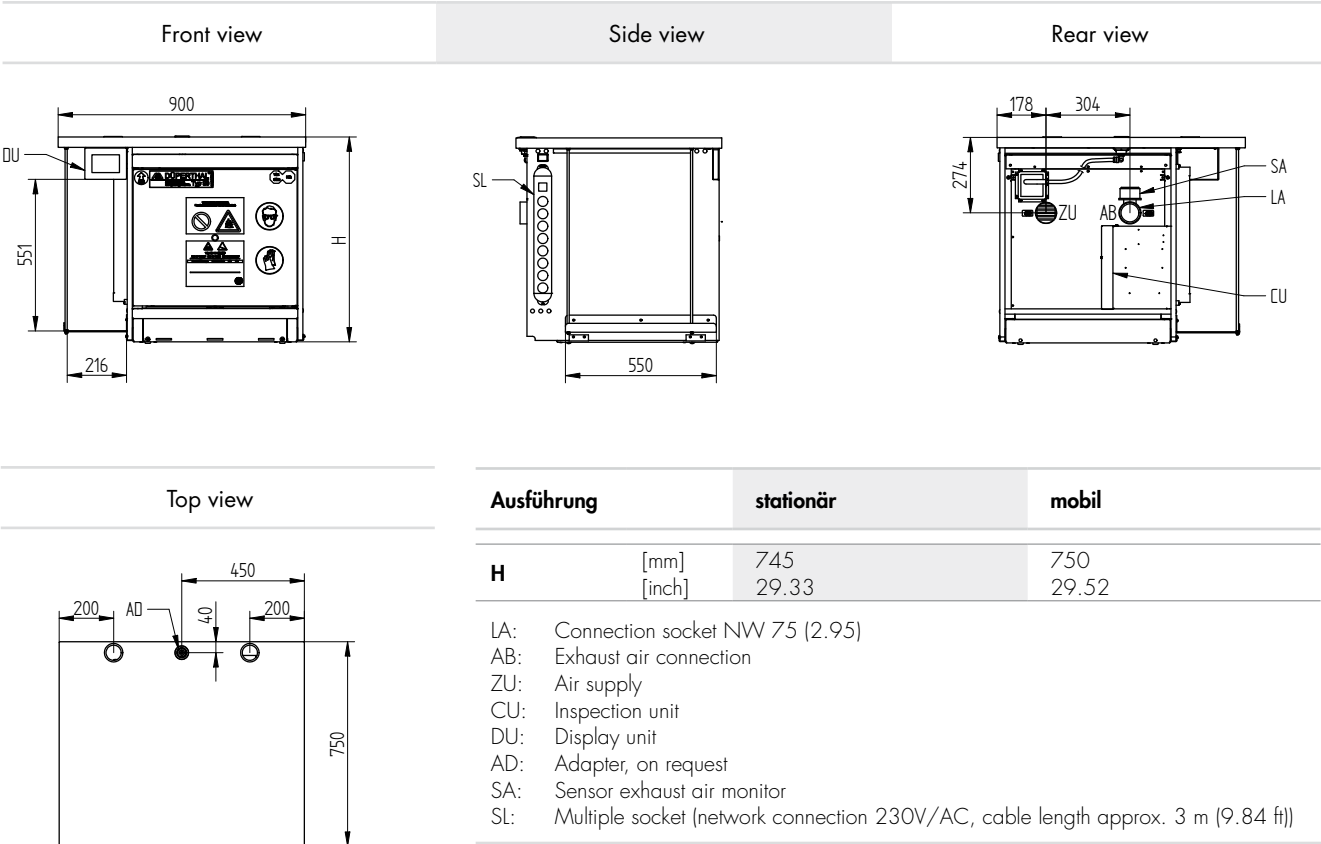


Model size		S
		20 [l] 5.3 [gal]
B	[mm]	198
	[inch]	7.8
T	[mm]	298
	[inch]	11.73
H	[mm]	499
	[inch]	19.65
M	[kg]	45
	[lbs]	99.21
L - Monitored	[l]	1x 20
	[gal]	1x 5.28
L - Reserve	[l]	1x 20
	[gal]	1x 5.28
V	[l]	33,6
	[gal]	8.88
Tare weight		[kg] 145
		[lbs] 319.67
Max. additional load	[kg]	45
	[lbs]	99.21

B: Canister width
 T: Canister depth
 H: Canister height
 M: Load bearing capacity (uniformly distributed)
 L: Max. volume of the largest individual container
 V: Max. collection volume

Tech specs HPLC service station – Type 90

Technical details - HPLC service station



VisiCon® Waste Collection System **2.6**



Collect flammable media flexibly and centrally

The VisiCon® Waste Collection System is the perfect addition to DÜPERTHAL safety storage cabinets for active storage. The system can be used to collect large quantities of solvent wastes in accordance with the regulations, centrally at one collection point, e.g. a DISPOSAL line safety storage cabinet. The VisiCon® collection system is also characterised by its high media resistance. All components are conductive and prevent the formation of ignition sparks.



Highest flexibility for streamlined workflow

The system can be extended virtually without limit and the modular concept can be individually adjusted to each process on site. The diverse connection options are suitable for funnel systems and HPLC connections, and can also be adapted to individual requirements. The easy startup due to ready to plug-in, preassembled connections enables flexible workflows and more efficient organisation of the work processes.



Your benefits

- » Secure collection of hazardous substances in accordance with TRGS 509 and minimisation of harmful gases and vapours (emissions) in the workplace.
- » Continuous earthing for the prevention of ignition hazards as a result of electrostatic discharges in accordance with TRGS 727.
- » Higher efficiency by merging wastes from several workplaces to a central collection point.
- » Process reliability through defined workflows, additional channels for the disposal of solvents are avoided.
- » Approved explosion protection concept for simplified recording in your explosion protection document within the framework of the risk assessment according to TRGS 400.
- » Flexible connection to DÜPERTHAL system solutions for active storage.
- » The almost infinitely expandable modular system can also be integrated at a later stage.

Disposal system - safe, economic and flexible

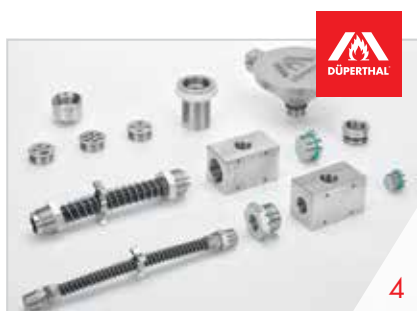
We will be happy to analyse the current situation with you on site and provide you with an optimal disposal solution. We can provide installation and commissioning on site within the framework of our full service.



Your added advantage with VisiCon®!

- » **Efficient workflow in accordance with the regulations**
Disposal of solvent wastes takes place directly at the workplace; additional channels for the disposal of waste are avoided.
- » **Sustainable and flexible disposal system**
The modular system can be optimally integrated in any work or laboratory situation and can be expanded almost infinitely.
- » **Economic and certified solution**
The hazardous substances can be directed from several systems/ workplaces to a certified safety storage cabinet.

For a high level of media resistance, all metallic components are manufactured from high-quality stainless steel 1.4571. The hose system is made of dissipative PTFE-el and has a smooth finish to guarantee a good media flow. The hoses are also wrapped in a spiral on the outside for protection against mechanical stress.



1 Funnel systems

Safe disposal of hazardous substances via a funnel with a direct connection to the disposal container.

2 Direct connection of HPLC systems

Simple connection of capillary and media hoses via a large selection of bench penetrations and adapters.

3 Distributors and smooth-walled hose systems

The distributors and hose systems are available in various diameters - the right solution for every viscosity.

4 Prevention of ignition hazards

All components are electrically conductive, the system for the connection to earthing is prepared according to TRGS 727.

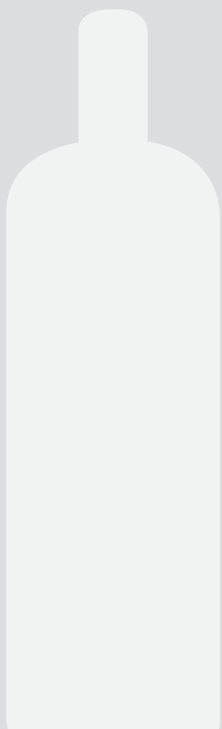
5 Tested and certified disposal systems

The media are collected in system solutions with special explosion protection devices, e.g. DISPOSAL BENCH line, in accordance with TRGS 509 and TRGS 727.

6 Profile system - flexible and robust

The flexible profile system is the alternative to the bench penetration and can be used as, for example, a standing surface for HPLC systems.

Safe storage of pressurised gas cylinders





3

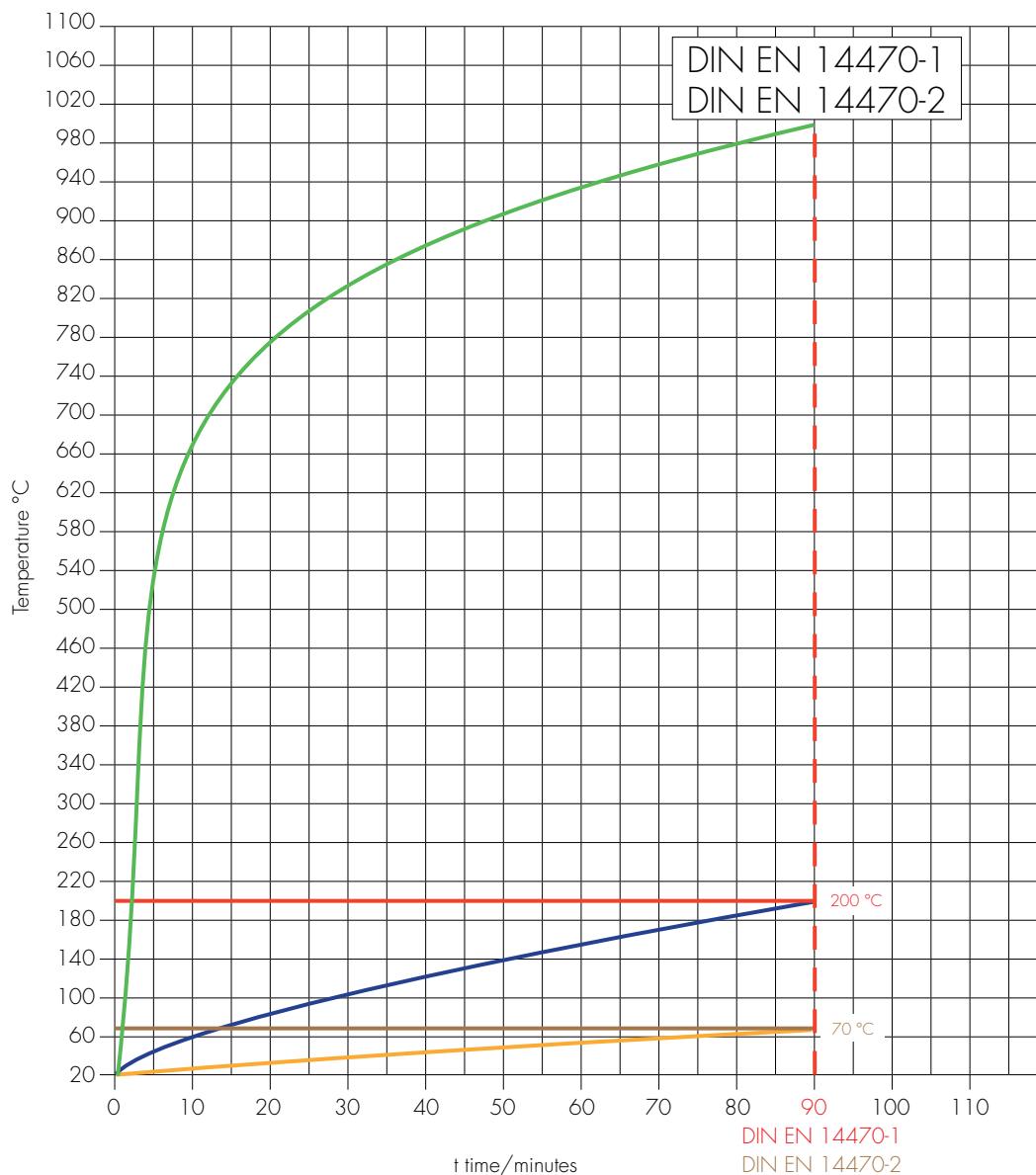
Uniform fire protection concept

The fire resistance rating of safety storage cabinets in accordance with DIN EN 14470-1 is determined by the rise of temperature of the cabinet interior inside of a fire chamber according to the temperature-time curve in accordance with DIN EN 1363-1. On the basis of a starting temperature of 20 +/- 5 °C and after the temperature increase on the surface of the canister valve holder exceeds 50 Kelvin, the cabinet is then classified as Type G15, G30, G60 or G90 (same as the time in minutes).



Type G90 - 90 minutes of fire protection

The SUPREME line plus safety storage cabinets for pressurised gas cylinders help you to ensure 90-minute fire resistance continuously in your laboratory. In combination with DÜPERTHAL Type 90 safety storage cabinets compliant with DIN EN 14470-1, the SUPREME line plus models are the ideal solution for continuous fire protection concepts in line with the highest standards.



Comparison of DIN EN 14470-1 and DIN EN 14470-2

DIN EN 14470-1 for flammable liquids

- Max. permissible temperature in the cabinet according to DIN EN 14470-1 = 200 °C (392 °F).
- Temperature history according to EN 1363-1 in the fire chamber.
- Example of the rising temperature of the Type 90 cabinet.

DIN EN 14470-2 for pressurised gas cylinders

- Max. permissible temperature on the surface of the valve holder according to DIN EN 14470-2 = 70 °C (158 °F).
- Temperature history according to EN 1363-1 in the fire chamber.
- Example of the rising temperature in the Type G90 cabinet.

Protection objectives and minimum requirements

Safety storage cabinets for the storage of pressurised gas cylinders in accordance with DIN EN 14470-2 must be designed and constructed in such a way that in case of fire, no additional risks of the fire spreading result from the content. The fire resistance should enable employees to leave the working area and allow the fire brigade to reach the area and contain the fire before the pressurised gas cylinders become unstable. Minor amounts of escaping gas within the cabinet must be extracted to protect health and prevent explosions.

DIN EN 14470-2
DIN EN 14727



Extracts from DIN EN 14470-2

Ventilation

- » The cabinets must have ventilation openings for air supply and exhaust air to enable connection to an exhaust air system.
- » The air stream must ensure that minor amounts of escaping gas within the cabinet are extracted.
- » For efficient purging, there must be at least a 10-fold air exchange, 120-fold for toxic gases, in the storage of flammable and oxidising gases.
- » The ventilation must be in the upper and lower part of the cabinet.
- » The pressure drop in the cabinet must not exceed 150 Pa (0.022 Psi) .

Gas and electrical cables

- » The number of electrical cables and gas lines must be restricted to the absolute minimum.
- » A maximum of three gas pipes with Ø 10 mm (0.39 inch) and two electrical cables with Ø 20 mm (0.79 inch) are permitted per pressurised gas cylinder.
- » For the best possible fire resistance, tubes made of stainless steel or a material with similar thermal conductivity are recommended.
- » Unused penetrations must be sealed in accordance with manufacturer's specifications.

Fire chamber test

- » Each cabinet model is type-tested in a fire chamber according to DIN EN 14470-2 Type G90/Type G30.



Tested safety at a very high level including

- » Type testing according to DIN EN 14470-2 by recognised test institutes (TÜV Süd, ift Rosenheim).
- » TÜV-tested according to DIN EN 14727 (laboratory furniture standard).
- » Type G90/Type G30 classification in accordance with DIN EN 14470-2.
- » GS/CE mark.
- » High Quality mark of approval for upper-level style.
- » User-friendliness and increased lifetime.

Tested safety at a very high level including:



DIN EN 14470-2
DIN EN 14727



Storage capacity

- » The maximum storage capacity per safety storage cabinet including purging gas is 220 litres (58.12 gal), up to a maximum of four 50 litre (13.21 gal) gas cylinders or up to three 70 litre (18.5 gal) gas cylinders.
- » The pressurised gas cylinders in the cabinet may be used.

Introduction, removal and fastening

- » A ramp or mechanical lifting equipment may be used, but this may not be made of aluminium.
- » In the cabinet, a suitable mounting system must be installed to prevent the pressurised gas cylinders from falling over.

Extracts from DIN EN 14727

Static endurance test

- » Standing surfaces, e.g. intermediate shelves, are subjected to a static load test and shock test and may not be broken or damaged.

Dynamic load test

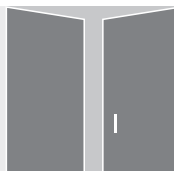
- » All mechanical (moving) components such as doors are tested with 50,000 cycles. After the tests, the doors must close exactly and snap into place.

Safety storage cabinets for pressurised gas cylinders and handling

3.1

SUPREME line plus

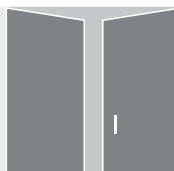
Door technologies



Type
G90

3.2

ECO line plus



Type
G30

3.3

**Gas cylinder
depots**

3.4

**Gas cylinder
containers/boxes**

3.5

**Gas cylinder
handling**



from page

270



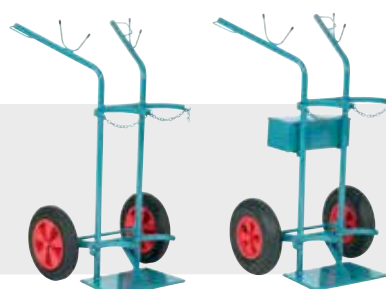
281



291



292



293

SUPREME line plus 3.1

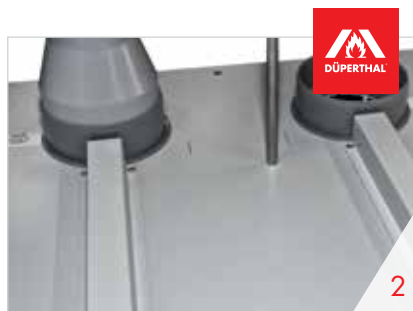


Safety storage cabinets Type G90 for pressurised gas cylinders



Your added advantage with the SUPREME line plus!

- » **The highest fire protection for your safety**
Maximum safety with Type G90 technology for a continuous fire protection concept that meets the highest standards.
- » **Upper-level style for your health**
Optimised ventilation ducts provide an efficient air flow system to extract any escaping gas within the cabinet.
- » **Increased lifetime for your investment**
Duration test according to DIN EN 14727, but 80,000 instead of 50,000 cycles in the dynamic load test.



1 Ventilation

Efficient ventilation in each cabinet level and the possibility of connecting the purging gas pipes directly to the exhaust air duct.

2 Penetration of gas pipes and cables

Drilling areas for the penetration of pipes or cables are marked on the cabinet roof and side panels.

3 Fittings

Maximum flexibility through adjustable installation rails as a standard - ideal to read the fittings ergonomically and without reflections. Alternatively, an upright installation is possible.

4 Door technology

The cabinet doors may be opened up to an angle of 170 degrees, thus offering the user maximum freedom of use. The opening angle can be adjusted continuously.

5 Use of space

The interior height is optimised for the installation and operation of gas cylinder fittings.

6 Transport

Gas cylinders can be easily put in place using the robust roll-in flap or the gas cylinder trolley for 10 litre (2.64 gal) gas cylinders.

SUPREME line plus – Type G90

Discover the optimum solution from DÜPERTHAL for the storage of pressurised gas cylinders of all sizes with 90-minute fire protection. Experience the comfort and flexibility of being able to equip your workplace to meet your precise needs.



SUPREME plus S



SUPREME plus M



SUPREME plus L



SUPREME plus XL



SUPREME plus XXL

Interior fittings:

- » Two installation rails for mounting gas fittings.
- » One cylinder holder with one retaining belt per standing space.
- » A sturdy roll-in flap.
- » Marked drilling areas for gas pipes and electrical cables.
- » Connection for purging gas pipe as a standard.

Colour standard version:

- » Wing doors in ruby red RAL 3003.
- » Carcass completely in light grey RAL 7035.
- » Individual colours possible.

Construction:

- » Wing doors, powder-coated sheet steel.
- » The doors are generally right-hinged for one-door cabinets. A left-hung door can be delivered at no extra charge.
- » Outer carcass, powder-coated sheet steel.
- » Inner carcass made of high-quality decor panels.

Golden yellow
RAL 1004

Light grey
RAL 7035

Ruby red
RAL 3003

Pure white
RAL 9010

Ordering information



Ref. no.

with classical wing door technology

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Volumes/Ø	[1 l/83 mm] [0.26 gal/3.27 inch]
	[10 l/140 mm] [2.64 gal/5.51 inch]
	[50 l/229 mm] [13.21 gal/9.02 inch]

Ref. no.

Additional interior fittings	Material
Intermediate shelf	Sheet steel
Shelf for screw caps for connection to cylinder holder	Sheet steel
Installation rails (2 pcs.)	Sheet steel
Shelf for side installation incl. cylinder holder	Sheet steel
Cylinder rack for 6, 10, 14, 18 gas cylinders max. Ø 83 mm/3.27 inch	Sheet steel

SUPREME plus S

79-130660-021

1 cylinder holder with 2 retaining belts,
2 horizontal installation rails and roll-in flap

595 x 610 x 1415
23.43 x 24.02 x 55.71

430 x 388 x 1171
16.92 x 15.28 x 46.1

256
564.38

SUPREME plus M

79-200660-021

1 cylinder holder with 2 retaining belts,
2 horizontal installation rails and roll-in flap

595 x 610 x 2070
23.43 x 24.02 x 81.5

430 x 388 x 1826
16.92 x 15.28 x 71.89

348
767.21

6 pressurised gas cylinders

2 pressurised gas cylinders

–

–

2 pressurised gas cylinders

1 pressurised gas cylinder

73-80660-122

79-80660-140

79-80660-152

–

on request

73-80660-122

79-80660-140

79-80660-152

79-70000-119

on request

Other accessories on page 278. Other technical details and dimensions from page 279 onwards.



Tested safety at a very high level including:



3.1

SUPREME plus L

SUPREME plus XL

SUPREME plus XXL

79-200960-021

79-201260-021

79-201460-021

1 cylinder holder with 3 retaining belts,
2 horizontal installation rails and roll-in flap

1 cylinder holder with 4 retaining belts,
2 horizontal installation rails and roll-in flap

1 cylinder holder with 4 retaining belts,
2 horizontal installation rails and roll-in flap

895 x 610 x 2070
35.24 x 24.02 x 81.5

1195 x 610 x 2070
47.04 x 24.02 x 81.5

1395 x 610 x 2070
54.92 x 24.02 x 81.5

730 x 404 x 1826
28.74 x 15.9 x 71.89

1030 x 404 x 1826
40.56 x 15.9 x 71.89

1230 x 404 x 1826
48.43 x 15.9 x 71.89

477
1051.6

595
1311.75

680
1499.14

–

–

–

4 pressurised gas cylinders

6 pressurised gas cylinders

8 pressurised gas cylinders

2-3 pressurised gas cylinders

3-4 pressurised gas cylinders

4 pressurised gas cylinders

79-80960-122

79-81260-122

79-81460-122

79-80960-140

79-81260-140

79-81460-140

79-80960-152

79-81260-152

79-81460-152

79-70000-119

79-70000-119

79-70000-119

on request

on request

on request

Accessories - varied and flexible

Apart from maximum safety, our safety storage cabinets for pressurised gas cylinders also offer maximum comfort with their ergonomic construction and perfection down to the smallest detail. Using the sophisticated accessories you may adjust your safety storage cabinet individually to your applications.



Shelves for side installation

Shelves for side installation allow for additional space to store further small pressurised gas cylinders, thus enabling the operator to use the cabinet volume optimally.



Cylinder racks

Cylinder racks provide a secure hold of stored items such as ECOCYL cylinders.



Screw caps

The gas cylinder screw caps may be safely positioned on a shelf.



Profile half-cylinders

for the lock protect against unauthorised access and can be integrated into locking systems.

Accessories	Ref. no.
Locking systems:	
Handle with aluminium profile half-cylinder	73-70000-089
Handle with stainless steel profile half-cylinder	73-70000-289
Optional extras	
Gas cylinder trolley	see programme section 3.5 or at www.dueperthal.com
Exhaust air system or ventilator	see programme section 7 or at www.dueperthal.com
Safety container	see programme section 8 or at www.dueperthal.com
Absorber	see programme section 10 or at www.dueperthal.com

Tech specs SUPREME line plus – Type G90

Technical details - SUPREME line plus

Model size		S	M	L	XL	XXL
Volumetric flow rate with 10-fold air exchange	approx. [m³/h] approx. [cubic ft/h]	1,8 63.56	3,0 105.93	5,3 168.24	7,5 264.83	8,9 314.26
Pressure drop in cabinet/pressure loss at exhaust air (connection) socket acc. to EK5/AK4 09-10 with 10-fold air exchange	[Pa] [Psi]	<1/<1 <1/<1	<1/<1 <1/<1	<1/<1 <1/<1	<1/<1 <1/<1	<1/<1 <1/<1
Volumetric flow rate with 120-fold air exchange	approx. [m³/h] approx. [cubic ft/h]	21,8 765.79	35,1 1239.38	63,0 2224.53	89,4 3156.71	107,0 3778.17
Pressure drop in cabinet/pressure loss at exhaust air (connection) socket acc. to EK5/AK4 09-10 with 120-fold air exchange	[Pa] [Psi]	<1/13 <1/<1	<1/41 <1/<1	<1/34 <1/<1	10/85 <1/<1	40/131 <1/<1
Load bearing capacity with uniformly distributed load/shelf for side installation	[kg] [lbs]	50/60 110/132	50/60 110/132	50/60 110/132	50/60 110/132	50/60 110/132

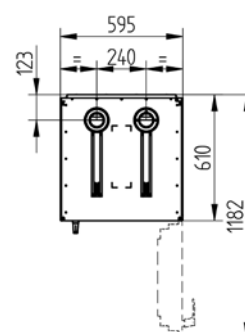
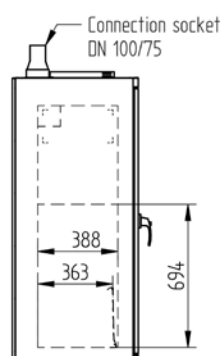
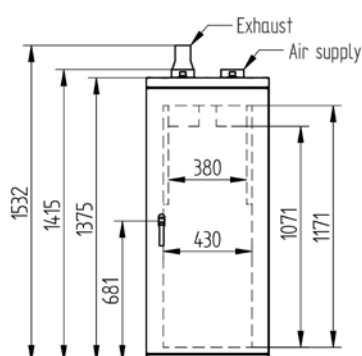
3.1

Dimensions - Interior fittings [mm] - SUPREME line plus

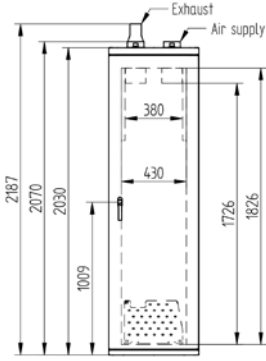
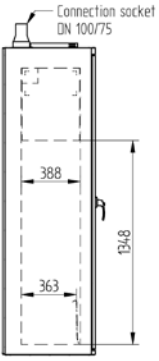
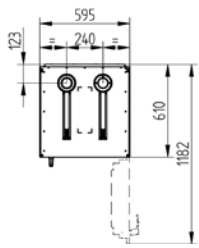
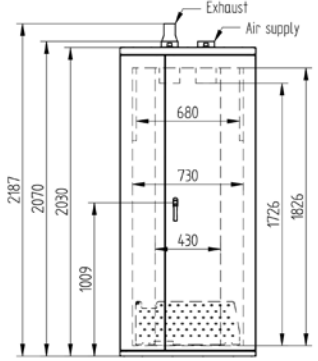
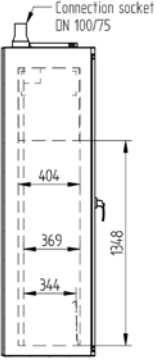
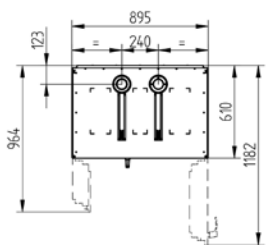
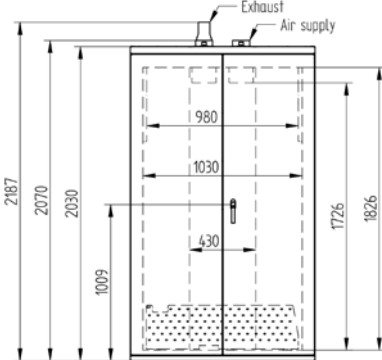
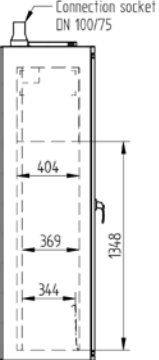
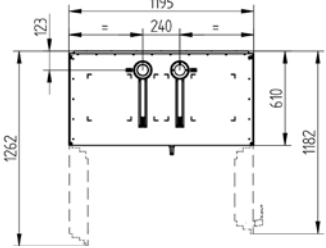
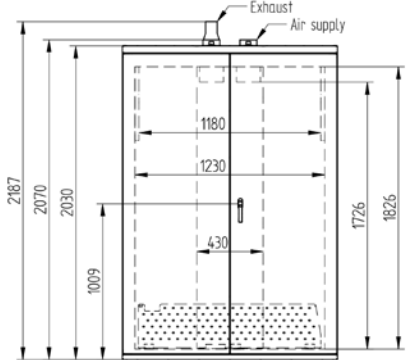
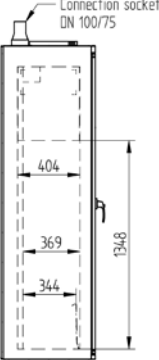
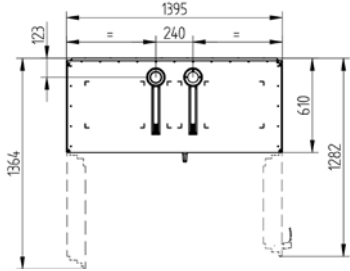
Model size	S			M			L			XL			XXL		
	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height
Intermediate shelf	424 16.7	350 13.78	35 1.38	424 16.7	350 13.78	35 1.38	724 28.5	350 13.78	35 1.38	1024 40.31	350 13.78	35 1.38	1224 48.19	350 13.78	35 1.38
Shelf for side installation incl. cylinder holder	—	—	—	220 8.66	347 13.66	220 8.66	220 8.66	347 13.66	220 8.66	220 8.66	347 13.66	220 8.66	220 8.66	347 13.66	220 8.66

Front view	Side view	Top view
------------	-----------	----------

SUPREME plus S



Tech specs SUPREME line plus – Type G90

Front view	Side view	Top view
SUPREME plus M		
		
SUPREME plus L		
		
SUPREME plus XL		
		
SUPREME plus XXL		
		

ECO line plus 3.2



Safety storage cabinets Type G30 for pressurised gas cylinders



Your added advantage with the ECO line plus!

» Economic fire protection for your safety

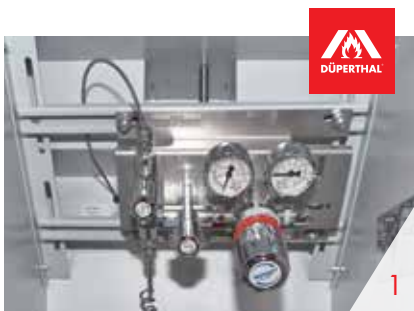
For the economical storage of pressurised gas cylinders with a 30-minute fire protection concept - the simple entry to a higher level of safety in your workplace.

» Upper-level style for your health

Optimised ventilation ducts provide an efficient air flow system to extract any escaping gas within the cabinet.

» Increased lifetime for your investment

Duration test according to DIN EN 14727, but 80,000 instead of 50,000 cycles in the dynamic load test.



1 Ventilation

Efficient ventilation in each cabinet level and the possibility of connecting the purging gas pipes directly to the exhaust air duct.

2 Penetration of gas pipes and cables

Drilling areas for the penetration of pipes or cables are marked on the cabinet roof and side panels.

3 Fittings

Maximum flexibility through adjustable installation rails as a standard - ideal to read the fittings ergonomically and without reflections. Alternatively, an upright installation is possible.

4 Door technology

The cabinet doors may be opened up to an angle of 170 degrees, thus offering the user maximum freedom of use. The opening angle can be adjusted continuously.

5 Use of space

The interior height is optimised for the installation and operation of gas cylinder fittings.

6 Transport

Gas cylinders can be easily put in place using the robust roll-in flap or the gas cylinder trolley for 10 litre (2.64 gal) gas cylinders.

ECO line plus – Type G30

The ECO line plus Type G30 models from DÜPERTHAL are the ideal solution for the cost-effective storage of pressurised gas cylinders with 30-minute fire protection. Discover the smart way to increase comfort and flexibility in your custom-designed workplace.



ECO plus M



ECO plus L



ECO plus XL



ECO plus XXL

**Interior fittings:**

- » Two installation rails for mounting gas fittings.
- » One cylinder holder with one retaining belt per standing space.
- » A sturdy roll-in flap.
- » Marked drilling areas for gas pipes and electrical cables.
- » Connection for purging gas pipe as a standard.

Colour standard version:

- » Wing doors in ruby red RAL 3003.
- » Carcass completely in light grey RAL 7035.
- » Individual colours possible.

Construction:

- » Wing doors, powder-coated sheet steel.
- » The doors are generally right-hinged for one-door cabinets. A left-hung door can be delivered at no extra charge.
- » Outer carcass, powder-coated sheet steel.
- » Inner carcass made of high-quality decor panels.

Golden yellow
RAL 1004

Light grey
RAL 7035

Ruby red
RAL 3003

Pure white
RAL 9010

Ordering information



Ref. no.

with classical wing door technology

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Volumes/Ø	[10 l/140 mm] [2.64 gal/5.51 inch]
	[50 l/229 mm] [13.21 gal/9.02 inch]

Ref. no.

Additional interior fittings	Material
Intermediate shelf	Sheet steel
Shelf for screw caps for connection to cylinder holder	Sheet steel
Installation rails (2 pcs.)	Sheet steel
Shelf for side installation incl. cylinder holder	Sheet steel
Cylinder rack for 6, 10, 14, 18 gas cylinders max. Ø 83 mm/3.27 inch	Sheet steel

ECO plus M

73-200660-011

1 cylinder holder with 2 retaining belts,
2 horizontal installation rails and roll-in flap

595 x 596 x 2070
23.43 x 23.46 x 81.5

500 x 386 x 1884
19.69 x 15.2 x 74.17

283
623.9

ECO plus L

73-200960-011

1 cylinder holder with 3 retaining belts,
2 horizontal installation rails and roll-in flap

895 x 596 x 2070
35.24 x 23.46 x 81.5

800 x 440 x 1884
31.5 x 17.32 x 74.17

390
859.8

2 pressurised gas cylinders

1-2 pressurised gas cylinders

4 pressurised gas cylinders

2-3 pressurised gas cylinders

73-80660-122

79-80660-140

79-80660-150

73-70000-119

on request

73-80960-122

79-80960-140

73-80960-150

73-70000-119

on request

Other accessories on page 288. Other technical details and dimensions from page 289 onwards.



Tested safety at a very high level including:



3.2

ECO plus XL

ECO plus XXL

73-201260-011

73-201460-021

1 cylinder holder with 4 retaining belts,
2 horizontal installation rails and roll-in flap

1 cylinder holder with 4 retaining belts,
2 horizontal installation rails and roll-in flap

1195 x 596 x 2070
47.05 x 23.46 x 81.5

1395 x 596 x 2070
54.92 x 23.46 x 81.5

1100 x 440 x 1884
43.31 x 17.32 x 74.17

1294 x 435 x 1878
50.94 x 17.13 x 73.94

462
1018.53

560
1234.59

6 pressurised gas cylinders

8 pressurised gas cylinders

3-4 pressurised gas cylinders

4 pressurised gas cylinders

73-81260-122

73-81460-122

79-81260-140

79-81460-140

73-81260-150

73-81460-152

73-70000-119

73-70000-119

on request

on request

Accessories - varied and flexible

Apart from maximum safety, our safety storage cabinets for pressurised gas cylinders also offer maximum comfort with their ergonomic construction and perfection down to the smallest detail. Using the sophisticated accessories you may adjust your safety storage cabinet individually to your applications.



Shelves for side installation

Shelves for side installation allow for additional space to store further small pressurised gas cylinders, thus enabling the operator to use the cabinet volume optimally.



Cylinder racks

Cylinder racks provide a secure hold of stored items such as ECOCYL cylinders.



Screw caps

The gas cylinder screw caps may be safely positioned on a shelf.



Profile half-cylinders

for the lock protect against unauthorised access and can be integrated into locking systems.

Accessories
Locking systems:
Handle with aluminium profile half-cylinder
Handle with stainless steel profile half-cylinder
Optional extras
Gas cylinder trolley
Exhaust air system or ventilator
Safety container
Absorber

Ref. no.
73-70000-089
73-70000-289
see programme section 3.5 or at www.dueperthal.com
see programme section 7 or at www.dueperthal.com
see programme section 8 or at www.dueperthal.com
see programme section 10 or at www.dueperthal.com

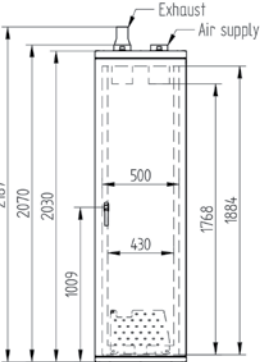
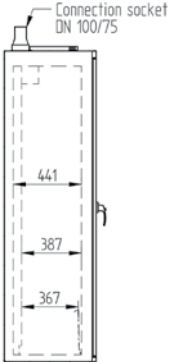
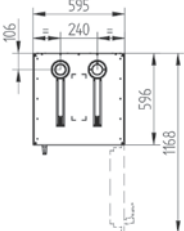
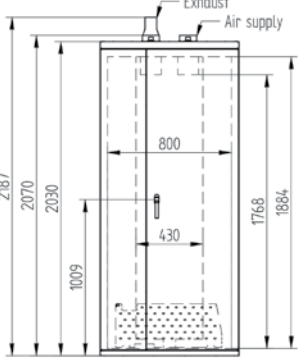
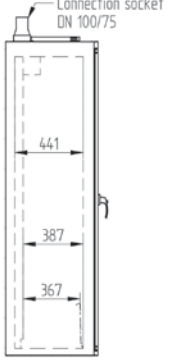
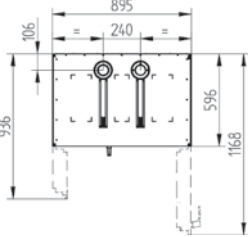
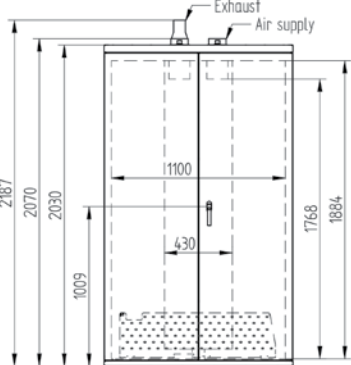
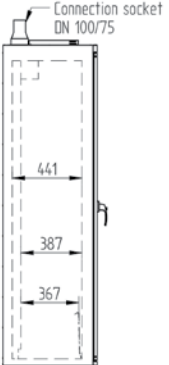
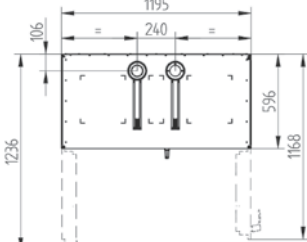
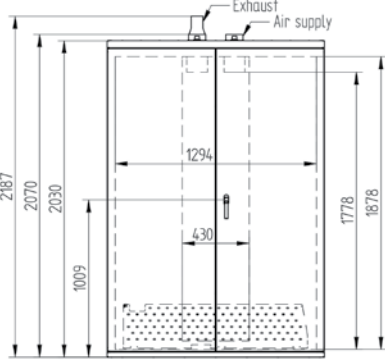
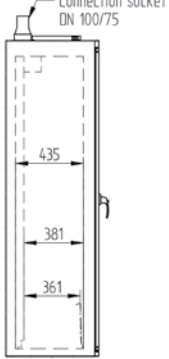
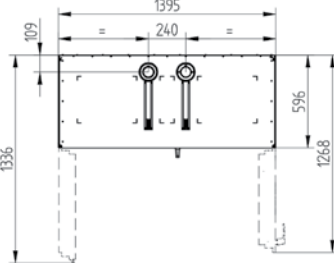
Technical details- ECO line plus

Model size		M	L	XL	XXL
Volumetric flow rate with 10-fold air exchange	approx. [m³/h] approx. [cubic ft/h]	4,1 144.77	6,6 233.04	8,9 314.26	10,5 370.76
Pressure drop in cabinet/pressure loss at exhaust air (connection) socket acc. to EK5/AK4 09-10 with 10-fold air exchange	[Pa] [Psi]	<1/<1 <1/<1	<1/<1 <1/<1	<1/<1 <1/<1	<1/<1 <1/<1
Volumetric flow rate with 120-fold air exchange	approx. [m³/h] approx. [cubic ft/h]	49,5 1747.85	79,4 2803.61	107 3778.17	126,5 4466,72
Pressure drop in cabinet/pressure loss at exhaust air (connection) socket acc. to EK5/AK4 09-10 with 120-fold air exchange	[Pa] [Psi]	<150/27 <0.02/<1	<150/69 <0.02/<1	<150/147 <0.02/<1	<150/220 <0.02/<0.03
Load bearing capacity with uniformly distributed load intermediate shelf/shelf for side installation	[kg] [lbs]	50/60 110/132	50/60 110/132	50/60 110/132	50/60 110/132

Dimensions - Interior fittings [mm] - ECO line plus [inch]

Model size	M			L			XL			XXL		
	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height
Intermediate shelf	424 16.7	350 13.78	35 1.38	724 28.5	350 13.78	35 1.38	1024 40.31	350 13.78	35 1.38	1224 48.19	350 13.78	35 1.38
Shelf for side installation incl. cylinder holder	220 8.66	347 13.66	220 8.66	347 13.66	220 8.66	347 13.66	220 8.66	347 13.66	220 8.66	347 13.66	220 8.66	347 13.66

Tech specs ECO line plus – Type G30

Front view	Side view	Top view
ECO plus M		
		
ECO plus L		
		
ECO plus XL		
		
ECO plus XXL		
		

3.3 Gas cylinder depots



For storing gas cylinders outdoors in accordance with the regulations.

- » No safety distance around the gas cylinder depot necessary.
- » Good corrosion resistance with polyester powder coating RAL 9002 grey white on galvanised base material.
- » Robust construction made of sheet steel, material thickness 1.5 mm (0.6 inch).
- » 3-point locking system with door handle with security cylinder lock at an ergonomically favourable height.
- » Earthing possibility on the ceiling.
- » Chequer plate floor 3 mm (0.12 inch), including corrugation 4.5 mm (1.77 inch).
- » For each cylinder rack space, there are 2 penetrations in the ceiling, each Ø 22 mm (0.87 inch), for 13.5 (5,3 inch) PG fittings (closed with plastic plugs).
- » 2 horizontal installation rails for mounting fittings.
- » One cylinder holder with one retaining belt per standing space.
- » Prepared for ground fixing.
- » Natural ventilation in accordance with TRGS.
- » Labelling with warning symbol W19.

3.3



Intermediate shelf



Side shelf – 70-90040-115



Red-Box – 2.233.04

	M 1	M 2	L 1	L 2	XL 1	XL 2
Ref. no.						
Gas cylinder depot	70-200740-001	70-200740-003	70-201040-001	70-201040-003	70-201340-001	70-201340-003
Details						
	1 door	1 door with inspection window**	2 doors	2 doors with inspection window**	2 doors	2 doors with inspection window**
Dimensions						
Width x height	[mm] 25.6 x 80.71	[mm] 25.6 x 80.71	[mm] 37.4 x 80.71	[mm] 37.4 x 80.71	[mm] 49.2 x 80.71	[mm] 49.2 x 80.71
Depth Depth incl. overhang	[mm] 400 500 [inch] 15.7 19.7	[mm] 400 500 [inch] 15.7 19.7	[mm] 400 500 [inch] 15.7 19.7	[mm] 400 500 [inch] 15.7 19.7	[mm] 400 500 [inch] 15.7 19.7	[mm] 400 500 [inch] 15.7 19.7
Weight	[kg] 85 [lbs] 187.39	[kg] 85 [lbs] 187.39	[kg] 103 [lbs] 227.08	[kg] 103 [lbs] 227.08	[kg] 125 [lbs] 275.58	[kg] 125 [lbs] 275.58
Standing spaces/pressurised gas cylinders						
Volumes/Ø [50 l/229 mm] [13.21 gal/9.01 inch]	2	2	3	3	4	4
Ref. no.						
Additional interior fittings						
Intermediate shelf, load bearing capacity* 150 kg/330.69 lbs	70-90740-114	70-90740-114	70-91040-114	70-91040-114	70-91340-114	70-91340-114
Side shelf with U-profile for all models, load bearing capacity* 40 kg/188.18 lbs	70-90040-115					
Gas cylinder trolley	see programme section 3.5 or www.dueperthal.com					
Red-Box	2.233.04					

* Maximum load bearing capacity with evenly distributed load | ** one inspection window in each door wing

Gas cylinder containers and boxes

3.4.1 Gas cylinder containers with roof



Gas cylinder container - 7.80.128* with roof and double wing gate - 7.80.328*

For storing gas cylinders outdoors in accordance with the regulations. Stable frame construction - surface hot-dip galvanised according to EN ISO 1461.

- » Lockable wing gate, optionally available with double-winged gate.
- » Construction according to TRGS.
- » Prepared for ground fixing.
- » Modular system with assembly instructions for self-assembly.



Holding device – 2x 7.80.198* with chain



Gas cylinder rack – 2x 7.80.199* individually or two on top of each other

Ordering information/dimensions

Max. number of gas cylinders, Ø 220 mm/8.66 inch		32	48	60	78	104
D x VV	[mm]	2100 x 1085	2100 x 1500	2400 x 1500	3100 x 1500	3100 x 2100
	[inch]	82.68 x 42.72	82.68 x 59.06	94.49 x 59.06	122.05 x 59.06	122.05 x 82.68
Height with roof	[mm]	2180	2180	2180	2180	2180
	[inch]	85.83	85.83	85.83	85.83	85.83
Ref. no.		7.80.118*	7.80.124*	7.80.128*	7.80.136*	7.80.154*

Accessories

Double-winged gate

Ref. no.	7.80.318*	7.80.324*	7.80.328*	7.80.336*	7.80.354*
----------	-----------	-----------	-----------	-----------	-----------

Holding device gas cylinders Ø 220 mm/8.66 inch

Ref. no.	7.80.198*	7.80.198*	7.80.198*	7.80.198*	7.80.198*
----------	-----------	-----------	-----------	-----------	-----------

Gas cylinder rack for (W x D x H) 1300 x 1000 x 850 mm/51.18 x 39.37 x 33.46 inch

Ref. no.	7.80.199*	7.80.199*	7.80.199*	7.80.199*	7.80.199*
----------	-----------	-----------	-----------	-----------	-----------

Gas cylinder trolley

Ref. no.	see programme section 3.5 or www.dueperthal.com				
----------	-----------------------------------------------------------------------------------------	--	--	--	--

3.4.2 Gas cylinder boxes



Gas cylinder boxes ① - 7.90.350* and ② - 7.90.300*

For storing gas cylinders outdoors in accordance with TRGS regulations.

- » Colour light grey RAL 7035.
- » With natural ventilation through perforated doors and side panels.
- » Rear panel and roof closed.
- » Including intermediate shelf.
- » Cylinder lock as a standard.

3.4

3.5

Ordering information/dimensions

Number of doors/design	1/perforated	2/perforated
D x W x H	840 x 690 x 1500	1680 x 690 x 1500
	33.07 x 27.17 x 59.06	66.14 x 27.17 x 59.06

Storage capacity (approx. data)

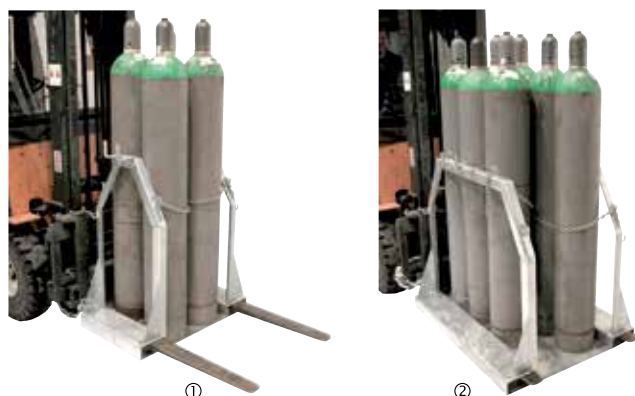
Volumes/Ø	[5 kg / 229 mm] [11.0 lbs/9.02 inch]	16 pressurised gas cylinder	32 pressurised gas cylinder
	[11 kg / 300 mm] [24.3 lbs/11.81 inch]	10 pressurised gas cylinder	20 pressurised gas cylinder
	[33 kg / 318 mm] [72.8 lbs/12.52 inch]	8 pressurised gas cylinder	16 pressurised gas cylinder
Ref. no.	7.90.300	7.90.350	

Accessories

gas cylinder trolley

Ref. no. see programme section 3.5 or www.dueperthal.com

3.5.1 Gas cylinder pallets



Gas cylinder pallets ① - 7.00.800* and ② - 7.00.810*

For the safe, economic and effortless transport of 1 to 8 gas cylinders – surface hot-dip galvanised according to EN ISO 1461.

- » Sturdy base frame with forklift pockets.
- » Inner carcass of forklift pockets: 170 x 70 mm/6.7 x 2.76 inch (W x H), inner distance between forklift pockets 510 mm/20.08 inch.
- » Gas cylinders can be secured individually with chains.
- » Lateral tilt limiter.
- » With hook for hoses and screw caps.

Ordering information/dimensions

Max. number of gas cylinders, Ø 250 mm/9.84 inch	4	8
D x W x H	[mm] 600x860x1000	[mm] 1200x860x1000
	[inch] 23.6x33.9x39.4	[inch] 47.2x33.9x39.4
Load bearing capacity	[kg] 350	[kg] 700
	[lbs] 771.62	[lbs] 1543.24
Ref. no.	7.00.800*	7.00.810*

Gas cylinder handling

3.5.2 Gas cylinder trolley for 50 litre (13.2 gal) gas cylinders



For the safe transport of a gas cylinder. Blue painted steel tube construction with solid rubber tyres.

- » Sturdy design.
- » Easy handling.
- » Including securing chain.
- » Red PVC handle for safe grip.



Ordering information

Gas cylinder trolley for 50 litre/13.2 gal gas cylinders

Ref. no.	7.00.600
----------	----------

3.5.3 Gas cylinder trolley for 40/50 litre (10.56/13.2 gal) gas cylinders



For the safe transport of gas cylinders. Blue painted steel tube construction.

- » Sturdy design.
- » Easy handling.
- » Including securing chain.
- » Finger guard for safe grip.
- » Hose holder on the bars.
- » Optionally with lockable toolbox.

Ordering information/dimensions

Max. number of gas cylinders, Ø 229 mm/9.02 inch	2	2
Toolbox	•	—
Ref. no.	7.00.630	7.00.620

Gas cylinder trolley 7.00.630

3.5.4 Gas cylinder trolley for 10 litre (2.64 gal) gas cylinders



For the safe transport of small gas cylinders. Steel tube construction slate grey, with solid rubber tyres. Perfect for equipping gas cylinder cabinets such as SUPREME line plus, ECO line plus and depots.

- » Sturdy design.
- » Optimal radius of movement.
- » Easy handling.
- » Including securing belt.
- » Optionally with toolbox including suitable wrench for gas cylinder caps.

Ordering information/dimensions

Max. number of gas cylinders, 10 litres/2.64 gal	1	1	2	2
Toolbox	•	—	•	—
Tyres	Solid rubber	Solid rubber	Solid rubber	Solid rubber
Ref. no.	7.00.618	7.00.616	7.00.617	7.00.615

Gas cylinder trolley ① - 7.00.616 and ② - 7.00.617

3.5.5 Gas cylinder trolley for propane gas cylinders



Gas cylinder trolley - 7.01.000

For the safe transport of propane gas cylinders. Blue painted steel tube construction.

- » Sturdy design and easy handling.
- » Including securing chain.
- » Secure grip with finger guard or red PVC handle.

Ordering information/dimensions

Max. number of gas cylinders	1x 11 litres	2x 33 litres
	1x 2.9 gal	2x 8.72 gal
Tyres	Solid rubber	Solid rubber
Ref. no.	7.01.000	7.01.010

3.5

3.5.6 Gas cylinder trolley for 20 litre (5.28 gal) gas cylinders



For the safe transport of gas cylinders. Blue painted steel tube construction.

- » Sturdy design and easy handling.
- » Including securing chain.
- » Red PVC handle for safe grip.

Ordering information/dimensions

Max. number of gas cylinders, 20 litres/5.28 gal	1
Tyres	Solid rubber
Ref. no.	7.01.020

3.5.7 Gas cylinder trolley with tail wheel for 40/50 litre (10.56/13.2 gal) gas cylinders



Gas cylinder trolley - 7.01.030

For the safe transport of gas cylinders. Blue painted steel tube construction. With fold-out tail wheel.

- » Optionally with lockable toolbox including hose and torch holder and two welding rod holders.
- » Finger guard for safe grip.

Ordering information/dimensions

Max. number of gas cylinders, 50 litres/13.2 gal	2	2
Werkzeugkasten	•	—
Tyres	Solid rubber	Solid rubber
Ref. no.	7.01.035	7.01.030

Fire-proof refrigerators for maximum fire protection





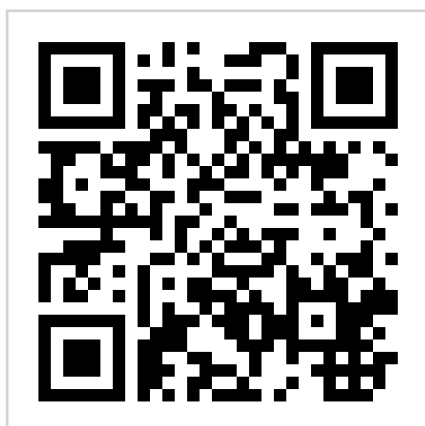
4

Fire-proof refrigerators for maximum fire protection

Ordinary laboratory refrigerators are unpredictable sources of risk. Without any protection against thermal influences from the outside, they can pose a threat to people's lives or working materials in case of fire.



Video on
COOL line



Store flammable substances safely, even cooled

In many laboratories, flammable media are used which must be stored cooled. Conventional laboratory refrigerators are, according to BG Chemie, not intended for this purpose, due to the lack of fire resistance. According to definition, these refrigerators are not intended for the storage of flammable liquids, but serve the purpose of accommodating reactants (flammable liquids) in the operation or the conduct of test procedures, e.g. crystallisation of products. Only the combination of Type 90 technology according to DIN EN 14470-1 with a cooling device with explosion-proof interior space, for example COOL line, offers the possibility to also store media cooled in accordance with the regulations in accordance with TRGS 510.



Type 90

Fire resistance

Fire resistance of 90 minutes

Fire-proof and explosion-proof Type 90 DÜPERTHAL safety storage cabinets offer reliable fire resistance of 90 minutes. In case of an emergency, this protection provides enough time to evacuate the building and a buffer for decisive firefighting.

Functional and safe

Despite all safety provisions, you will never have to do without functionality with DÜPERTHAL COOL line. With this range of cabinets, DÜPERTHAL combines laboratory cooling technology with maximum fire resistance, naturally type-tested in accordance with DIN EN 14470-1 and the laboratory furniture standard DIN EN 14727. Effective cooling from +1 °C (33.8 °F) to +16 °C (60.8 °F) and many additional functions create the surroundings for optimised and safe work processes adapted to your individual needs.

Fire-protected refrigerators Type 90

4.1 COOL standard XL

Type
90



from page

301

4.2 COOL dual XL

Type
90



309

4.3 COOL UTS ergo LT

Type
90



317

COOL standard XL 4.1



Fire-proof refrigerator



Your added advantage with the COOL line!

» Maximum fire protection

Maximum safety with Type 90 technology and cooled interior.

» Safety

In case of fire, a thermocouple automatically initiates the uninterrupted closing of the doors.

» Working safety

Equipotential bonding saddles as a standard on the cabinet help to prevent spark formation.

The safety storage cabinet COOL standard XL is perfectly suited for the storage of large quantities of flammable liquids efficiently and safely. The temperature inside the refrigerator can be adjusted from +1 °C (33.8 °F) to +15 °C (59 °F) .



1 Efficient cooling

The cooling compartment has its own door for efficient and economical cooling.

2 Continuous temperature control

The temperature can be adjusted continuously from +1 °C (33.8 °F) to +15 °C (59 °F).

3 Constant temperatures

The integrated fan ensures stable temperatures in the entire, spacious cooling compartment.

4 Retention tank

The easily removable bottom tray can be cleaned and discharged without effort.

5 Self-closing in the event of fire

In case of fire, a thermocouple automatically initiates the uninterrupted closing of the doors. The closure control system ensures that the refrigerator is also self-closing.

6 Heat energy

Accumulated heat energy must be extracted via the ventilation openings and the exhaust air (connection) sockets. The air flow is monitored and if the ventilation fails, the refrigerator is automatically switched off. For this purpose, the COOL standard XL comes with an exhaust air monitoring unit for emitting warning signals. The unit is also optionally available with a ventilator.

COOL standard XL – Type 90

Discover the optimum solution for the storage of large quantities of flammable liquids: the COOL standard XL Type 90 by DÜPERTHAL with fire protection of 90 minutes. Experience the versatility and the comfort of the COOL standard XL.



COOL standard XL

Explosion-proof interior! |  II 3 G IIB+H2 T6 | ATEX

Interior fittings:

- » 5 shelves made of shatter-proof glass.
- » 1 bottom tray made of powder-coated sheet steel.
- » 1 perforated sheet insert made of powder-coated sheet steel.

Construction:

- » Wing door made of powder-coated sheet steel.
- » Carcass made of powder-coated sheet steel.

Colour:

- » Safety storage cabinet wing door in traffic white RAL 9016.
- » Refrigerator wing door in white.
- » Complete safety storage cabinet carcass in light grey RAL 7035.
- » Individual colours possible.
- » Base in slate grey RAL 7015.

Light grey
RAL 7035

Traffic white
RAL 9016



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



Ordering information



4.1

Ref. no.

with exhaust air monitoring unit and ventilator

89-200970-030

with exhaust air monitoring unit

89-200970-031

Details

Automatic switch-off in case of ventilation failure, 5 shelves made of shatter-proof glass, 1 bottom tray made of powder-coated sheet steel, 1 perforated sheet insert made of powder-coated sheet steel, and base

Dimensions

Outer (width x depth x height) [mm]
[inch]

895 x 745 x 2080
35.23 x 29.33 x 81.89

Inner (width x depth x height) [mm]
[inch]

550 x 430 x 1400
21.65 x 16.92 x 55.12

Weight [kg]
[lbs]

499
1100.11

Storage capacity/standing surface (approx. data)

Size [0,5 l/0.13 gal]
[1,0 l/0.26 gal]
[2,5 l/0.66 gal]

30 glass lab bottles
20 glass lab bottles
8 glass lab bottles

Ref. no.

Additional interior fittings

MPS-1 with automatic locking system

50-30000-920

Exhaust air monitoring unit

included

Other accessories on page 306. Other technical details and dimensions from page 307 onwards.

Accessories - varied and flexible

Choose the best suited items for your workplace from a variety of optional extras. Create your own individual work environment tailored to your requirements and work processes.



Unlocking system with RFID card
The COOL line is optimally suited for unlocking of the doors by RFID user card with MPS-1.



Absorber cloths
Absorber cloths are specially designed for use with chemicals and are thus ideal for picking up spilled hazardous substances.



Transport trolley
in conductive design with antistatic rollers to safely transport hazardous substances.



VisiCon safety container
with integrated sight glass and measuring scale.



Exhaust air systems
Monitoring exhaust air systems help prevent explosion risks in work areas, see programme section 7.



Red-Box
for safely storing documents exactly where they are needed.

Accessories
Cylinder lock
Lock with profile half-cylinder
Red-Box
Optional extras
Transport trolley for flammable media
VisiCon - safety container, 1 litre (0.26 gal) 2 litre (0.53 gal)
Exhaust air system or ventilator
Safety container
Absorber

Ref. no.
included
on request
2.233.04
7.02.100
5.90.001 5.90.002
see programme section 7 or at www.dueperthal.com
see programme section 8 or at www.dueperthal.com
see programme section 10 or at www.dueperthal.com

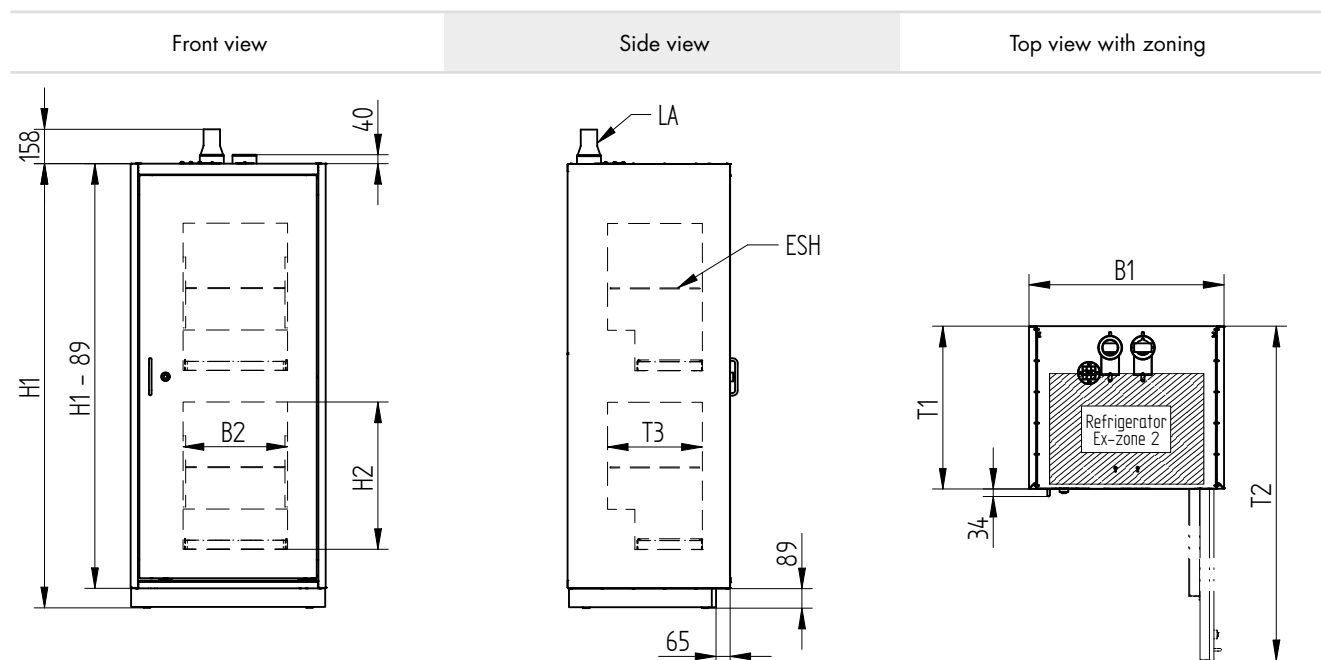
Tech specs COOL standard XL – Type 90

Technical details - COOL standard

Model size			standard XL
Voltage/frequency	V/Hz	Refrigerator	230/50
Temperature range*	[°C] [°F]		+1 to +15 +33.8 to +59
Refrigerant	-	-	R 600 a
Voltage/frequency	V/Hz	Exhaust air monitor with ventilator 2.00.320C Exhaust air monitor without ventilator 2.00.360C	230/50
Volumetric flow rate with 10-fold air exchange	approx. [m³/h] approx. [cubic ft/h]	The interior of the refrigerator is not ventilated to ensure efficient and environmentally friendly cooling	3 105.93
Pressure drop in the cabinet	[Pa] [Psi]	-	< 1 < 1

* Note

The installation location must ensure that the safety cabinet is not exposed to an operating temperature below -10 °C (14 °F) or above +32 °C (90 °F).



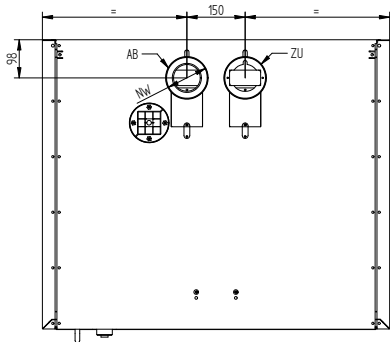
Model size		standard XL
H1	[mm]	2036
	[inch]	80.16
H2	[mm]	1450
	[inch]	57.09
B1	[mm]	894
	[inch]	35.2
B2	[mm]	498
	[inch]	19.6
T1	[mm]	746
	[inch]	29.37
T2	[mm]	1533
	[inch]	60.35
T3	[mm]	445
	[inch]	17.52
Doors		1

LA: Connection socket NW 75 [2.95]
ESH: Adjustable heights and standing surface dimensions

Tech specs COOL standard XL – Type 90

Technical details | Adjustable heights - COOL standard

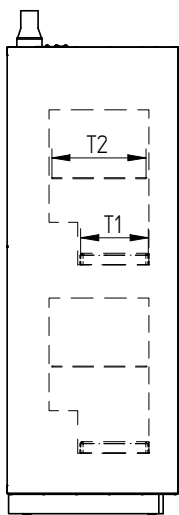
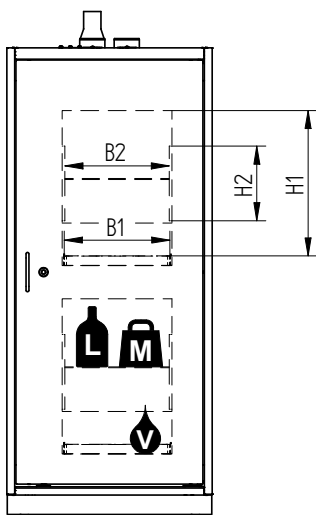
Top view - more details



NW: 110 (4.33) with adapter 75 (2.95)
AB: Exhaust air connection
ZU: Air supply

Front view

Side view



Max. container height [mm]
[inch]

Model size	standard XL
H1	1370 53.94
H2	31 adjustments at a pitch of 30 (1.18)
Number of shelves	5

Model size		standard XL
B1	[mm] [inch]	474 18.66
B2	[mm] [inch]	473 18.62
T1	[mm] [inch]	294 11.57
T2	[mm] [inch]	425 16.73
M	[kg] [lbs]	40 88.18
L	[l] [gal]	10 2.64
V	[l] [gal]	11 2.91
Tare weight	[kg] [lbs]	499 1100.11
Max. additional load	[kg] [lbs]	240 529.11

B: Inner width of standing surface, in millimetres
T: Inner depth of standing surface, in millimetres
M: Load bearing capacity per shelf (uniformly distributed), in kilograms
L: Maximum volume of the largest individual container, in litres
V: Max. collection volume, in litres

COOL dual XL 4.2



Fire-proof refrigerator



Your added advantage with the COOL line!

» Maximum fire protection

Maximum safety with Type 90 technology and two separate cooled interiors.

» Safety

In case of fire, a thermocouple automatically initiates the uninterrupted closing of the doors.

» Working safety

Equipotential bonding saddles as a standard on the cabinet help to prevent spark formation.

The safety storage cabinet COOL dual XL is ideal for efficient storage of flammable liquids with different temperature requirements. The temperature may be adjusted in any of the two cooling compartments between +3 °C (37.4 °F) and +16 °C (60.8 °F).



1 Dual and efficient cooling

Each of the two explosion-proof cooling compartments of the COOL dual XL has its own lockable door for efficient and economical cooling. The temperature can be adjusted continuously from +3 °C (37.4 °F) to +16 °C (60.8 °F).

2 Separate storage temperatures

For each of the two independent cooling compartments, different storage temperatures may be saved. In this way, substances with different storage temperatures can be stored together.

3 Self-closing in the event of fire

In case of fire, a thermocouple automatically initiates the uninterrupted closing of the doors. The closure control system ensures that the refrigerator is also self-closing.

4 Retention tank

The easily removable bottom tray can be cleaned and discharged without effort.

5 Independent safety

The two refrigerator units may be locked independently, while offering different locking system add-ons (see accessories).

6 Heat energy

Heat energy is extracted via the ventilation openings and the exhaust air (connection) sockets. The air flow is monitored and if the ventilation fails, the refrigerator is automatically switched off. This is done using an exhaust air monitoring unit for emitting warning signals, which is also available with a ventilator.

COOL dual XL – Type 90

The COOL dual XL Type 90 by DÜPERTHAL - the optimum solution for storing various flammable liquids with different temperature requirements at a fire protection rate of 90 minutes. Discover the versatility and the comfort of the COOL dual XL.



COOL dual XL

Explosion-proof interior! |  II 3 G EX nA II T6 | ATEX

Interior fittings per cooling compartment:

- » 3 shelves made of shatter-proof glass.
- » 1 bottom tray made of powder-coated sheet steel.
- » 1 perforated sheet insert made of powder-coated sheet steel.

Construction:

- » Wing door made of powder-coated sheet steel.
- » Carcass made of powder-coated sheet steel.

Colour:

- » Safety storage cabinet wing door in traffic white RAL 9016.
- » Refrigerator wing door in white.
- » Complete safety storage cabinet carcass in light grey RAL 7035.
- » Individual colours possible.
- » Base in slate grey RAL 7015.

Light grey
RAL 7035

Traffic white
RAL 9016



Geprüfte Sicherheit auf höchstem Niveau inklusive:



DIN EN 14470-1
DIN EN 14727



Ordering information

4.2



COOL dual XL

Width 900 mm/35.43 inch

Ref. no.

with exhaust air monitoring unit and ventilator

89-200970-040

with exhaust air monitoring unit

89-200970-041

Details

Automatic switch-off in case of ventilation failure, for each cooling compartment,
3 shelves made of shatter-proof glass, 1 bottom tray made of powder-coated sheet steel,
1 perforated sheet insert made of powder-coated sheet steel, and base

Dimensions

Outer (width x depth x height) [mm]
[inch]

895 x 745 x 2080
35.23 x 29.33 x 81.89

Inner (width x depth x height) [mm]
[inch]

455 x 435 x 669
17.91 x 17.13 x 26.34

Weight [kg]
[lbs]

499
1100.11

Storage capacity/standing surface (approx. data)

Size [0,5 l/0.13 gal]
[1,0 l/0.26 gal]
[2,5 l/0.66 gal]

30 glass lab bottles
20 glass lab bottles
8 glass lab bottles

Ref. no.

Additional interior fittings

MPS-1 with automatic locking system

50-30000-920

Additional locking system
for the two cooling compartments

29-80970-072

Temperature probe for temperature measurement

29-80970-074

Analysing unit for recording

29-80970-073

Exhaust air monitoring unit

included

Other accessories on page 314. Other technical details and dimensions from page 315 onwards.

Accessories - varied and flexible

Choose the best suited items for your workplace from a variety of optional extras. Create your own individual work environment tailored to your requirements and work processes.



Unlocking system with RFID card

The COOL line is optimally suited for unlocking of the doors by RFID user card with MPS-1.



Temperature surveillance

The minimum and maximum values of the interior temperatures can be monitored for consistent process documentation.



Computer interface

A computer interface can be used to read and log all measurable temperatures and parameters, including the compressor status and alarm states which have occurred.



Additional locking system

The two cooling compartments in the interior of the safety storage cabinet can have separate locking systems.



Transport trolley

in conductive design with antistatic rollers to safely transport hazardous substances.



Absorber cloths

Absorber cloths are specially designed for use with chemicals and are thus ideal for picking up spilled hazardous substances.



VisiCon safety container

with integrated sight glass and measuring scale.



Red-Box

for safely storing documents exactly where they are needed.

Accessories

Cylinder lock

Lock with profile half-cylinder

Red-Box

Optional extras

Transport trolley for flammable media

VisiCon - safety container, 1 litre (0.26 gal) | 2 litre (0.53 gal)

Exhaust air system or ventilator

Safety container

Absorber

Ref. no.

included

on request

2.233.04

7.02.100

5.90.001 | 5.90.002

see programme section 7 or at www.dueperthal.com

see programme section 8 or at www.dueperthal.com

see programme section 10 or at www.dueperthal.com

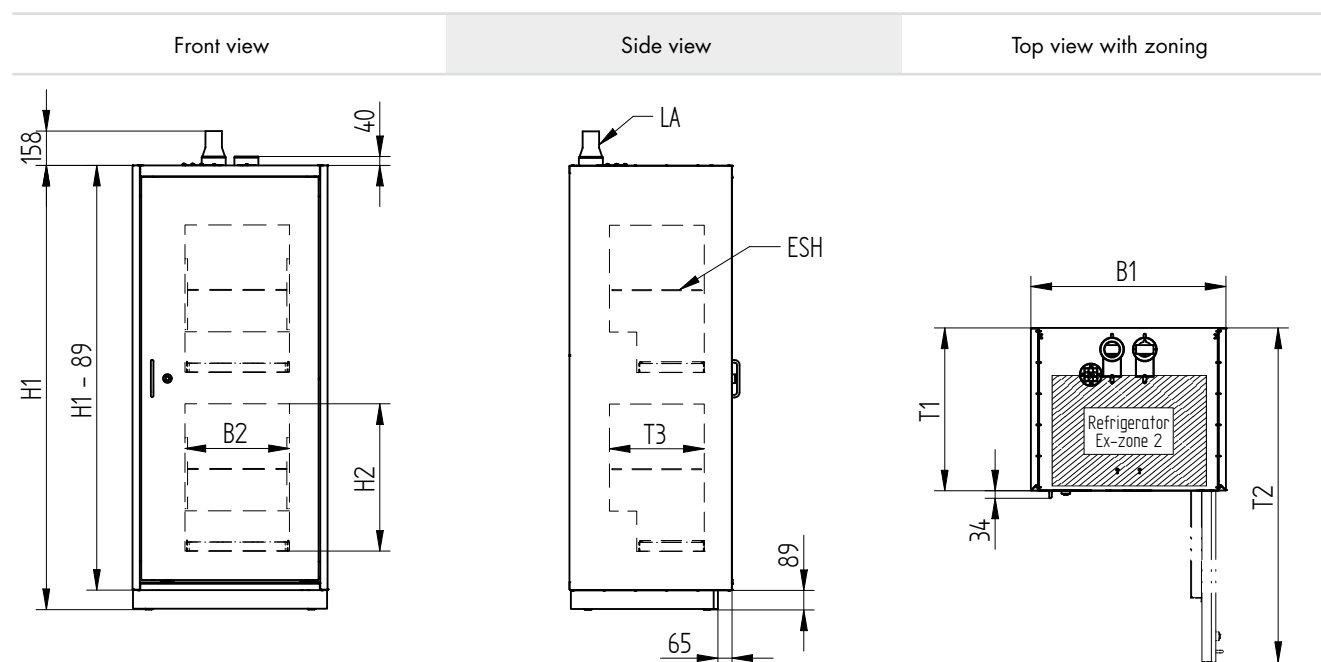
Tech specs COOL dual XL – Type 90

Technical details - COOL dual

Model size			dual XL
Voltage/frequency	V/Hz	Refrigerator	230/50
Temperature range*	[°C] [°F]		+3 to +16 +37.4 to +60.8
Refrigerant	–	–	R 600 a
Voltage/frequency	V/Hz	Exhaust air monitor with ventilator 2.00.320C Exhaust air monitor without ventilator 2.00.360C	230/50
Volumetric flow rate with 10-fold air exchange	approx. [m³/h] approx. [cubic ft/h]	The interior of the refrigerator is not ventilated to ensure efficient and environmentally friendly cooling	3 105.93
Pressure drop in the cabinet	[Pa] [Psi]	–	< 1 < 1

* Note

The installation location must ensure that the safety cabinet is not exposed to an operating temperature below -10 °C (14 °F) or above +32 °C (90 °F).



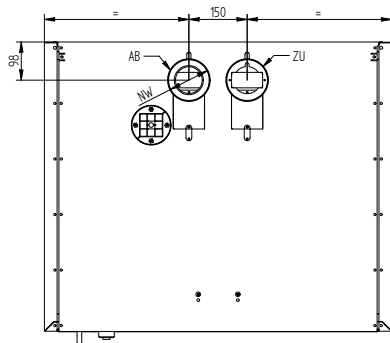
Model size		dual XL
H1	[mm] [inch]	2036 80.16
H2	[mm] [inch]	2x 675 2x 26.57
B1	[mm] [inch]	894 35.2
B2	[mm] [inch]	478 18.82
T1	[mm] [inch]	746 29.37
T2	[mm] [inch]	1533 60.35
T3	[mm] [inch]	435 17.13
Doors		1

LA: Connection socket NW 75 (2.95)
ESH: Adjustable heights and standing surface dimensions

Tech specs COOL dual XL – Type 90

Technical details | Adjustable heights - COOL dual

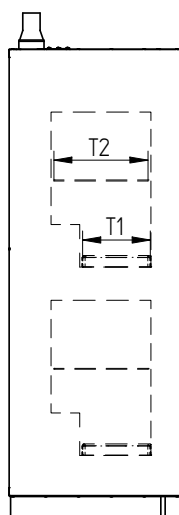
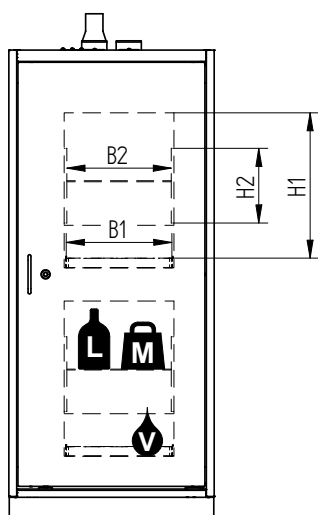
Top view - more details



NW: 110 (4.33) with adapter 75 (2.95)
AB: Exhaust air connection
ZU: Air supply

Front view

Side view



Max. container height [mm]
[inch]

Model size	dual XL
H1	633 24.92
H2	11 adjustments at a pitch of 30 (1.18)
Number of shelves	2x 3

Model size		dual XL
B1	[mm]	460
	[inch]	18.11
B2	[mm]	455
	[inch]	17.91
T1	[mm]	294
	[inch]	11.57
T2	[mm]	410
	[inch]	16.14
M	[kg]	40
	[lbs]	88.18
L	[l]	5
	[gal]	1.32
V	[l]	5,5
	[gal]	1.45
Tare weight	[kg]	499
	[lbs]	1100.11
Max. additional load	[kg]	320
	[lbs]	705.48

B: Inner width of standing surface, in millimetres
T: Inner depth of standing surface, in millimetres
M: Load bearing capacity per shelf (uniformly distributed), in kilograms
L: Maximum volume of the largest individual container, in litres
V: Max. collection volume, in litres

COOL UTS ergo LT 4.3



Fire-proof refrigerator



Your added advantage with the COOL line!

» Maximum fire protection

Maximum safety with Type 90 technology and cooled interior.

» Safety

In case of fire, a thermocouple automatically initiates the uninterrupted closing of the doors.

» Working safety

Equipotential bonding saddles as a standard on the cabinet help to prevent spark formation.

The COOL UTS ergo LT combines all benefits of the COOL line in one practical under-bench cabinet. It is ideal for the space-saving and safe storage of flammable liquids at temperatures between +2 °C (35.6 °F) and +10 °C (50 °F).



1 Efficient cooling

The temperature can be continuously changed from 2 °C (35.6 °F) to +10 °C (50 °F) for efficient and economic cooling. An indicator light allows visual monitoring of the cooling function.

2 Temperature monitoring

With a temperature strip directly inside the explosion-proof cooling compartment, the temperature can be easily checked.

3 Retention tank

The easily removable bottom tray can be cleaned and discharged without effort.

4 Heat energy

Accumulated heat energy must be extracted via the ventilation openings and the exhaust air (connection) sockets. Harmful substances or vapours, which collect at the bottom, are safely picked up through the slotted base and removed with the exhaust air.

5 Ergonomics

Containers can be placed in the cabinet or removed with both hands. In case of fire, a thermocouple automatically initiates the closing of the wing door.

6 Mobility

The under-bench cabinet is optionally available with a roller set. This facilitates integration into existing equipment.

COOL UTS ergo LT – Type 90

The COOL UTS ergo LT Type 90 by DÜPERTHAL – the compact under-bench solution for storage of flammable liquids with fire protection of 90 minutes. Discover the versatility and the comfort of the COOL UTS ergo LT.



COOL UTS ergo LT

Explosion-proof interior! |  | ATEX

Interior fittings:

- » Left side: cooling compartment with bottom tray made of polypropylene.
- » Right side: technology unit.

Construction:

- » Wing doors, powder-coated sheet steel.
- » Carcass made of powder-coated sheet steel.
- » Cooling compartment made of polypropylene.

Colour:

- » Wing doors in traffic white RAL 9016.
- » Complete safety storage cabinet carcass in light grey RAL 7035.
- » Base in slate grey RAL 7015.
- » Individual colours possible.

Light grey
RAL 7035

Traffic white
RAL 9016



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



Ordering information

4.3



COOL dual XL

Width 900 mm/35.43 inch

Ref. no.

Interior fittings sheet steel

29-061168-021

Details

1 bottom tray made of polypropylene
1 perforated sheet insert and base 35 mm (1.38 inch)

Dimensions

Outer (width x depth x height) [mm]
[inch]

1100 x 595 x 635
43.31 x 23.43 x 25

Inner (width x depth x height) [mm]
[inch]

350 x 390 x 365
13.78 x 13.35 x 14.37

Weight [kg]
[lbs]

217
478.4

Storage capacity/standing surface (approx. data)

Size [0,5 l/0.13 gal]
[1,0 l/0.26 gal]
[2,5 l/0.66 gal]

18 glass lab bottles
12 glass lab bottles
5 glass lab bottles

Ref. no.

Additional interior fittings

MPS-1 with automatic locking system

50-30000-920

Roller set

29-11400-011

Classical base 85 mm/3.42 inch
(instead of 35 mm/1.38 inch)

29-11160-084

ToeKick base 85 mm/3.42 inch

29-11160-085

Exhaust air monitoring unit

on request

Other accessories on page 322. Other technical details and dimensions from page 323 onwards.

Accessories - varied and flexible

Choose the best suited items for your workplace from a variety of optional extras. Create your own individual work environment tailored to your requirements and work processes.



Unlocking system with RFID card
The COOL line is optimally suited for unlocking of the doors by RFID user card with MPS-1.



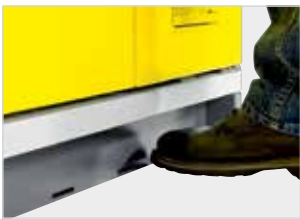
Exhaust air systems
Monitoring exhaust air systems help prevent explosion risks in work areas, see programme section 7.



Absorber cloths
Absorber cloths are specially designed for use with chemicals and are thus ideal for picking up spilled hazardous substances.



VisiCon safety container
with integrated sight glass and measuring scale.



ToeKick base
for ergonomic working. The user can easily use the worktop above the UTS ergo line and BENCH line, protecting their back (see additional interior fittings).



Roller set
The under-bench cabinet is optionally available with a roller set. This facilitates integration into existing equipment.



Transport trolley
in conductive design with antistatic rollers to safely transport hazardous substances.

Accessories	Ref. no.
Cylinder lock	included
Lock with profile half-cylinder	on request
Optional extras	
Transport trolley for flammable media	7.02.100
VisiCon - safety container, 1 litre (0.26 gal) 2 litre (0.53 gal)	5.90.001 5.90.002
Exhaust air system or ventilator	see programme section 7 or at www.dueperthal.com
Safety container	see programme section 8 or at www.dueperthal.com
Absorber	see programme section 10 or at www.dueperthal.com

Tech specs COOL UTS ergo LT – Type 90

Technical details - COOL UTS ergo

Model size			LT
Load bearing capacity with uniformly distributed load (maximum load capacity/shelf)	[kg] [lbs]	Perforated sheet insert	40 88.18
Maximum volume of the largest individual container which may be stored on any standing surface in the cabinet	[l] [gal]	–	10 2.64
Collection volume	[l] [gal]	Bottom tray	11 2.91
Voltage/frequency	V/Hz	Refrigerator	230/50
Temperature range*	[°C] [°F]		+2 to +10 +35.6 to +50
Refrigerant	–	–	R 600 a
Pressure drop in the cabinet	[Pa] [Psi]	–	< 1 < 1

* Note

The installation location must ensure that the safety cabinet is not exposed to an operating temperature below -10 °C (14 °F) or above +32 °C (90 °F).

Dimensions

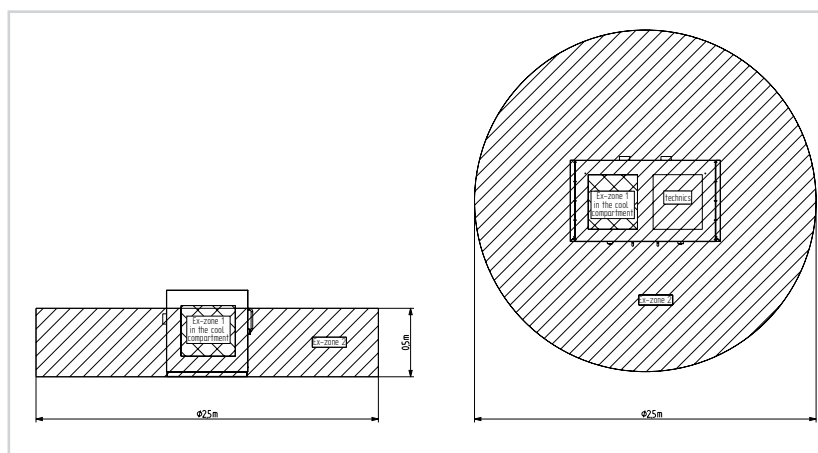
Interior fittings [mm] - COOL UTS ergo [inch]

Model size	LT		
	Width	Depth	Height
Bottom tray	382 15.04	380 14.96	76.5 3.01

Note:

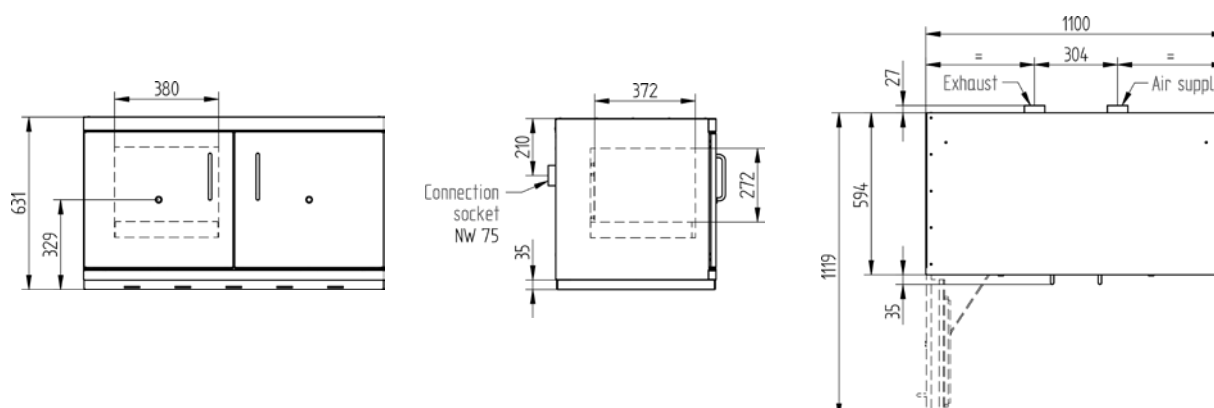
Accumulated heat energy must be extracted via the ventilation openings and the exhaust air (connection) sockets. An exhaust air monitoring unit with ventilator and alarm function is optionally available.

Zoning - COOL UTS ergo



Front view	Side view	Top view
------------	-----------	----------

COOL UTS ergo LT



Safety storage cabinets for batteries and clean rooms





5

Safety storage cabinets for batteries and clean rooms

5.1

BATTERY line

Type
90



from page

327

5.2

CLASSIC line pure

Type
90



344

5.3

ACID line pure



352

BATTERY line 5.1



Battery fire - The risks and actions

Most lithium ion batteries are not designed for temperatures above 60°C. As the temperature increases lithium batteries respond with a build-up of pressure in the cell, intense discharge of flammable gases, cell fire, and even self-enhancing explosive burning of the battery (thermal runaway). These hazards are partly due to shortcomings in the manufacture and proper handling of the storage medium.



Fire compartments and fire-resistant areas

Standard storage cabinets do not protect the stored working materials from external thermal influences. In case of fire this can cause serious injury to employees and damage to property. By contrast, DÜPERTHAL Type 90 safety storage cabinets offer reliable 90-minute fire resistance in compliance with DIN EN 14470-1 and are classed as fire-resistant isolated areas (fire compartments).

Safe fire protection of 90 minutes

The BATTERY line safety storage cabinets are specially constructed for the strict requirements for safe storage and charging of lithium-ion batteries which could catch fire in the event of malfunctions. With the Type 90 classification and the explosion-like burning of the batteries in the interior tested by the independent Fraunhofer Institute, the BATTERY line offers 2-fold fire protection - sufficient time for evacuation and buffers for fire fighting.

New feature - Backdraft protection

If fires start outside the cabinet, the automatic door closing system on safety storage cabinets is triggered. A new feature of the BATTERY line is the mechanism that automatically closes and locks the cabinet doors in the event of fires inside the cabinet. The locking system prevents opening by employees and thus protects against a possible backdraft. Only authorised experts, e.g. the fire brigade, can unlock the doors.



Storage in accordance with insurance-related requirements

Using the BATTERY line enables you to fulfil all legal provisions, especially the storage requirements of FM Global and those stipulated in the GDV's information leaflet on lithium ion batteries, published by the VdS.

State of the art working safety

As part of a risk assessment, operators have an obligation to assess the hazards that could be caused by technical equipment and devices and to implement state of the art protective measures based on this assessment. The BATTERY line's additional facilities to isolate hazards in the event of self-ignition of the batteries guarantee long-term process reliability and can be considered to be state of the art for the purposes of your risk assessment.

Prevention - Practical experience

Lithium ion batteries are an established part of our day-to-day lives and are sufficiently safe technology if manufactured using good production standards and handled properly. However, due to new findings and advances in development it is essential to continuously review preventive fire and hazard protection measures as part of the risk assessment and to re-assess them where necessary.



Lithium ion batteries - hazardous goods

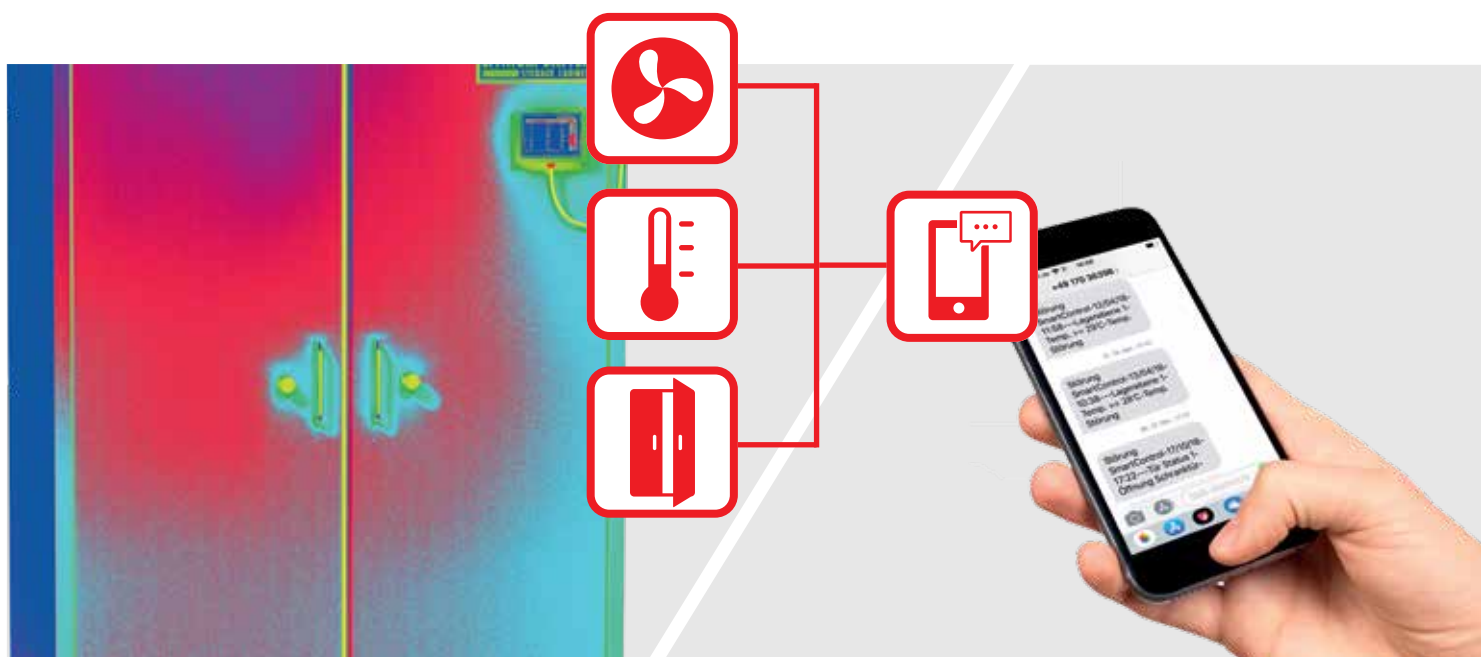
Although lithium ion batteries are very safe in normal operation, a risk can arise, for example if the substances they contain are released due to thermal loads. The manufacturers' technical data sheets specify that corrosive, toxic, carcinogenic and also flammable hazardous substances can discharge. Appropriate preventive measures for early detection of damage are an important element in guaranteeing safe workplaces.

Early detection based on intelligent technology

The success of extinguishing depends significantly on the fire brigade being on site at the earliest possible stage of the fire. Therefore, for storage and use of lithium ion batteries comprehensive early detection and automatic signalling of thermal events, e.g. fires, is almost indispensable. Smart Control and temperature sensors immediately detect adverse thermal developments and initiate counter measures.

Smart Control - The intelligent assistance system

Handling of lithium ion batteries is a risk that is very difficult to quantify in the risk assessment. In addition to fire-resistant storage, state of the art fire detection systems with automatic alarm signalling should also be seen as essential. Smart Control is an intelligent assistance system with touch display and sensors and offers crucial advantages in this area.



Prevention and damage minimisation using Smart Control and sensors

- » Temperature monitoring for preventive early detection of thermal events in the safety storage cabinet with setting of threshold values, e.g. value 1 for early warning and value 2 for alarm.
- » Door opening status sensor to monitor whether doors are closed properly in compliance with DIN EN 14470-1.
- » Continuous monitoring (24/7) of industrial ventilation to guarantee dissipation of thermal energy produced by the charging process.
- » Error indication and data memory for logging as well as intelligent fault messages via push messages or SMS, e.g. to fire brigade and rescue control centre.
- » Digital and analog outputs as well as potential-free contacts for connection of acoustic alarms and warning lamps.
- » Intelligent system available as network solution Cabi2Net including interfaces to networks and databases via secure protocols, e.g. UPC UA or MQTT.
- » Variable display via touch display, smartphone app or web browser possible.

Safety storage cabinets for charging and storage of batteries



Your added advantage with the BATTERY line!

» Safety

In case of fire - inside or outside - a thermocouple automatically initiates the uninterrupted closing of the doors.

» Backdraft protection

Automatic door locking to prevent backdrafts in case of fire.

» Safe charging

Fuse protected power supply for chargers is provided and ready to plug in.

 Video 1 on
BATTERY line



The BATTERY line type safety storage cabinets are equipped with a varied range of additional functionalities to increase safety and working convenience. In addition, all safety-related components are not subjected to day-to-day dynamic loads and are thus free of attrition and mechanical wear.



1 Integrated door arrest system

As a standard, the doors of the safety storage cabinets are fitted with an integrated door arrest system, which allows comfortable handling of the batteries.

2 Innovation in preventive fire protection

In case of fire - inside or outside the cabinet - a thermocouple automatically initiates closing of the doors and locking to protect against backdraft.

3 Protection from backdraft

After automatic closing of the doors and locking in the event of fire, e.g. due to self-ignition of lithium ion batteries, they can only be unlocked by authorised experts.

4 Safe and protected charging

The BATTERY station models are set up for chargers, with a fuse protected and ready to plug in power supply.

5 Extraction of thermal energy

The air heated by charging is extracted at every cabinet level.

6 Prevention with Cabi2Net and Smart Control

Temperature sensors enable Cabi2Net and the Smart Control intelligent assistance system to be used as early warning systems for detection of thermal events in the cabinet interior.

BATTERY standard – Type 90

BATTERY standard Type 90 safety storage cabinets are the optimum solution for safe storage of lithium ion batteries, with maximum fire protection from inside and outside, including integral protection against backdraft.



BATTERY standard XL - V1



BATTERY standard XL - V2



BATTERY standard S



BATTERY station – Type 90

The Battery station Type 90 safety storage cabinets are specially designed for safe storage and charging of lithium ion batteries. As well as maximum internal and external fire protection and integral protection against backdraft a fuse protected power supply is set up for chargers - ready to plug in.

5.1



BATTERY station XL - V1



BATTERY station XL - V2

 Video 2 on
BATTERY line



Interior fittings:

- » Storage shelves, bottom trays and perforated sheet inserts made of sheet steel.
- » BATTERY station: per storage level 4 sockets, fuse protected power supply set up for chargers - ready to plug in.

Construction:

- » Wing doors, powder-coated sheet steel.
- » The doors are generally right-hinged for one-door cabinets. A left-hung door can be delivered at no extra charge.
- » Outer carcass, powder-coated sheet steel.
- » Inner carcass made of high-quality decor panels.

Colour:

- » Wing doors in bright green, PANTONE 389 C.
- » Carcass completely in light grey RAL 7035.
- » Individual colours possible.
- » Base in slate grey RAL 7015.

Golden yellow
RAL 1004

Light grey
RAL 7035

Bright green
PANTONE 389 C

Pure white
RAL 9010

Ordering information



Ref. no.		BATTERY standard XL - V1	BATTERY standard XL - V2
with classical wing door technology		with storage shelves	with storage shelves and centre partition wall
Details		3 storage shelves, 1 bottom tray, 1 perforated sheet insert and base	2x 3 storage shelves, 1 bottom tray, 1 perforated sheet insert, centre partition wall and base
Dimensions			
Outer (width x depth x height)	[mm] [inch]	1194 x 612 x 2085 47 x 24.1 x 82.09	1194 x 612 x 2085 47 x 24.1 x 82.09
Inner (width x depth x height)	[mm] [inch]	979 x 458 x 1697 38.54 x 18.03 x 66.81	979 x 458 x 1697 38.54 x 18.03 x 66.81
Weight	[kg] [lbs]	530 1168.45	550 1212.54
Ref. no.			
Additional interior fittings	Material		
Interior fittings	Sheet steel	69-70000-240	69-70000-242
Storage shelf	Stainless steel	on request	on request
Storage shelf	Sheet steel	on request	on request
Storage area marking (3 pcs.)		–	–
Storage area marking (4 pcs.)		69-70000-234	–
Storage area marking (8 pcs.)		–	69-70000-238

Other accessories on page 339. Other technical details and dimensions from page 340 onwards.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



5.1

BATTERY standard S

with storage shelves

69-130667-030

2 storage shelves, 1 bottom tray,
1 perforated sheet insert and base

594 x 612 x 1425
23.39 x 24.1 x 56.1

498 x 469 x 1040
19.61 x 18.46 x 40.94

195
429.9

on request

on request

on request

69-70000-233

–

–



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



Ordering information



Ref. no.

with classical wing door technology

BATTERY station XL - V1

with storage shelves

BATTERY station XL - V2

with storage shelves and centre partition wall

69-201267-070

69-201267-072

Details

3 storage shelves, 1 bottom tray, 1 perforated sheet insert and base, 4 storage levels, per storage level 4 sockets per storage level for plug types: type C (CEE 7/16), type C (CEE 7/17), type F (CEE 7/4), type E+F (CEE 7/7), fuse unit for electrical protection with plug ready connection to a power supply with 230V/50Hz plug type F (CEE7/4)

2x 3 storage shelves, 1 bottom tray, 1 perforated sheet insert, centre partition wall and base, 4 storage levels with 2 storage areas per storage level, 4 sockets per storage level for plug types: type C (CEE 7/16), type C (CEE 7/17), type F (CEE 7/4), type E+F (CEE 7/7), fuse unit for electrical protection with plug ready connection to a power supply with 230V/50Hz plug type F (CEE7/4)

Dimensions

Outer (width x depth x height) [mm]
[inch]

1194 x 612 x 2085
47 x 24.1 x 82.09

1194 x 612 x 2085
47 x 24.1 x 82.09

Inner (width x depth x height) [mm]
[inch]

979 x 458 x 1697
38.54 x 18.03 x 66.81

979 x 458 x 1697
38.54 x 18.03 x 66.81

Weight

[kg]
[lbs]

560
1234.59

580
1278.68

Ref. no.

Additional interior fittings

Material

Interior fittings	Sheet steel
Storage shelf	Stainless steel
Storage shelf	Sheet steel
Storage area marking (4 pcs.)	
Storage area marking (8 pcs.)	

69-70000-240

69-70000-242

on request

on request

on request

on request

69-70000-234

–

–

69-70000-238

Other accessories on page 339. Other technical details and dimensions from page 342 onwards.

Accessories - varied and flexible

Choose the best suited items for your workplace from a variety of optional extras. Create your own individual work environment tailored to your requirements and work processes.

5.1



Cabi2Net

for central control of work processes. Configuration according to individual requirements.



Smart Control with touch display

to optimize process reliability in combination with sensors. Automatic fault notification via SMS to a mobile device possible.



Sensors for prevention

Safe way to monitor temperatures as an early warning system to detect thermal events inside the cabinet and the status of the door (open/closed).



Storage area marking

for clear and captive identification of the individual storage areas inside the cabinet.

Clever assistance systems

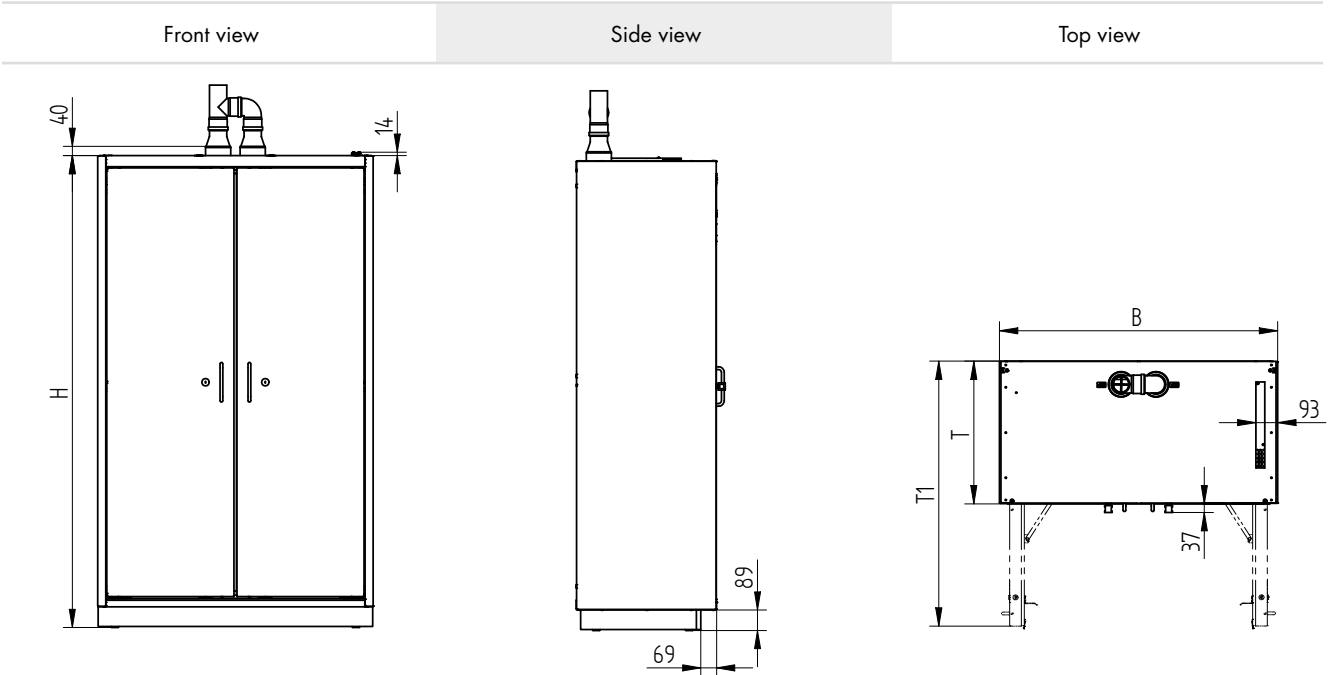
Model size	
Basic package - Smart Control with touch display incl. sensors:	
1x temperature monitoring, 1x door opening status	
1x temperature monitoring, 2x door opening status	
Extended basic package	
Temperature monitoring for storage area	H1
	H2
	H3
	H4
Exhaust air monitor	
SMS dispatch module	
Network solution	
Cabi2Net – configuration according to individual requirements	

S	XL	XL (CPW) ¹⁾
Ref. no.		
69-70000-810	–	–
–	69-70000-820	69-70000-820
69-70000-811	69-70000-811	69-70000-821
69-70000-812	69-70000-812	69-70000-822
69-70000-813	69-70000-813	69-70000-823
–	–	69-70000-824
69-70000-808	69-70000-808	69-70000-808
69-70000-809	69-70000-809	69-70000-809
on request	on request	on request

¹⁾ CPW = centre partition wall

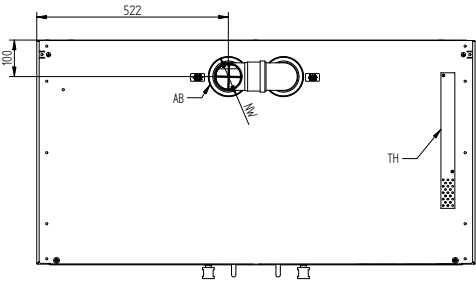
Tech specs BATTERY standard – Type 90

Technical details - BATTERY standard



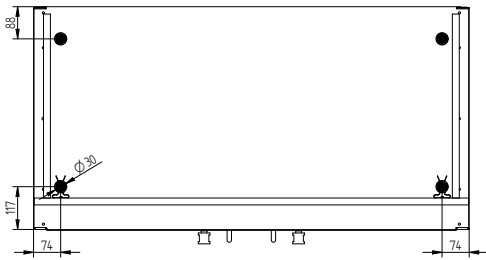
Model size		S	XL	XL (CPW)
H	[mm]	1385	2045	2045
	[inch]	54.53	80.51	80.51
B	[mm]	594	1194	1194
	[inch]	23.39	47	47
T	[mm]	612	612	612
	[inch]	24.09	24.09	24.09
T1	[mm]	1100	1140	1140
	[inch]	43.31	44.88	44.88
Doors		1	2	2
Tare weight	[kg]	230	530	550
	[lbs]	507.06	1168.45	1212.54
Interior volume of cabinet	[m ³]	0,28	0,95	0,95
	[cu. ft.]	9.89	33.55	33.55

Top view - more details



NW: 110 (4.33) with adapter 75 (2.95)
 AB: Exhaust air connection
 TH: Thermocouple

Detail - ajustable feet

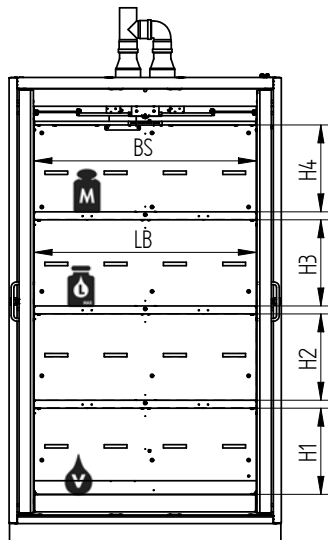


● Standing surface of ajustable foot

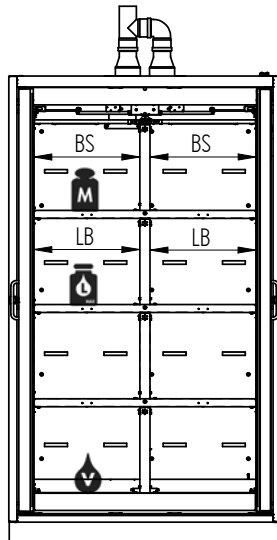
Tech specs BATTERY standard – Type 90

Technical details | Adjustment heights - BATTERY standard

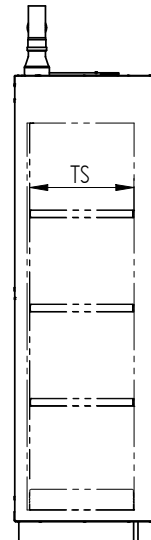
Front view



Front view with centre partition wall



Side view



5.1

Model size		S	XL	XL (CPW)
BS	[mm] [inch]	375 14.76	975 38.39	2x 465 2x 18.31
LB	[mm] [inch]	374 14.72	974 38.35	2x 464 2x 18.27
TS	[mm] [inch]	457 17.99	457 17.99	457 17.99
M	[kg] [lbs]	75 165.35	75 165.35	75 165.35
L	[l] [gal]	10 2.64	30 7.93	30 7.93
V	[l] [gal]	11 2.91	33 8.72	33 8.72
Max. additional load	[kg] [lbs]	240 529.11	360 793.66	360 793.66
Number of storage levels		3	4	4
Number of storage areas		3	4	8

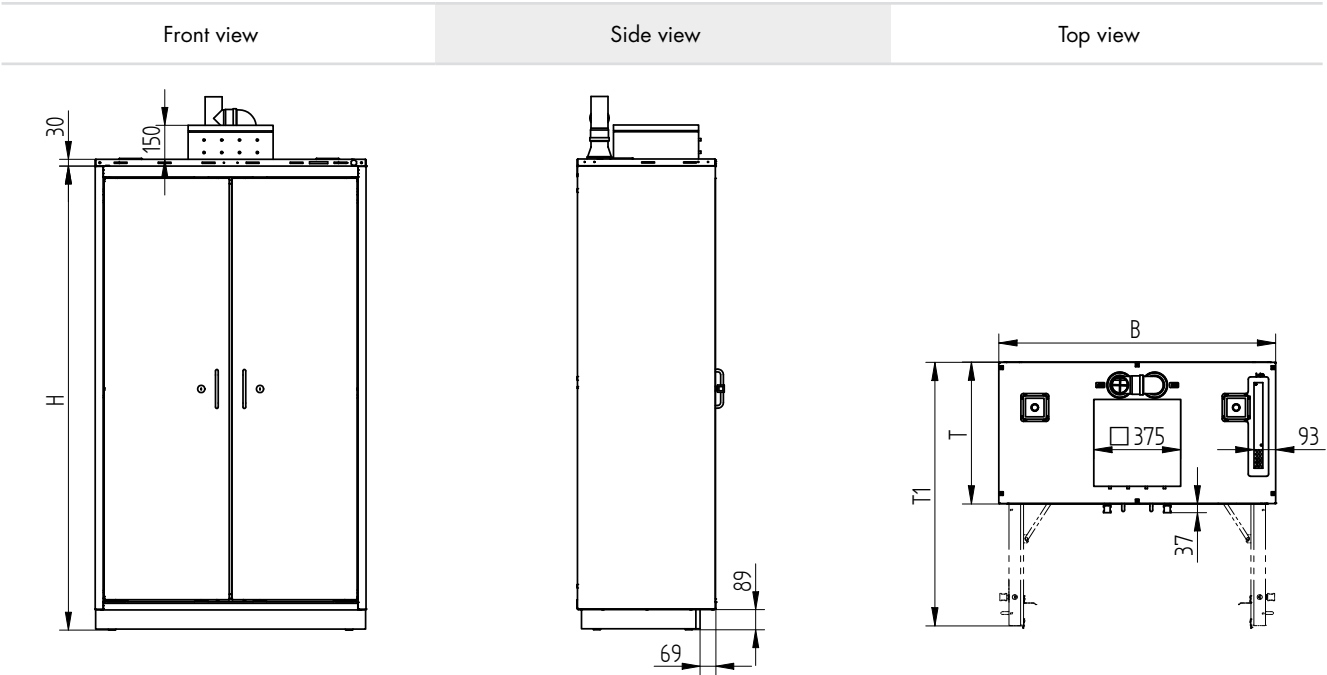
Max. adjustment heights [mm] [inch]

Model size		S	XL XL (CPW)
Storage shelves	H1	297 11.69	378 14.88
	H2	297 11.69	378 14.88
	H3	299 11.77	378 14.88
	H4	–	381 15

BS: Width of standing surface, in millimetres
 LB: Clear Width, in millimetres
 TS: Depth of standing surface, in millimetres
 M: Load bearing capacity per storage shelf (uniformly distributed), in kilograms
 L: Maximum volume of the largest individual container, in litres
 V: Max. collection volume, in litres
 CPW: (with) centre partition wall

Tech specs BATTERY station – Type 90

Technical details - BATTERY station

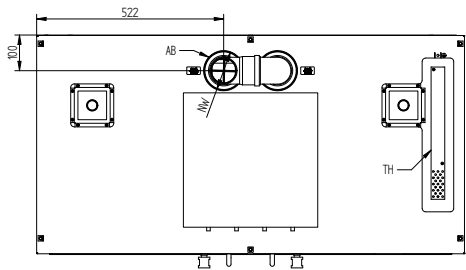


Model size		XL	XL (CPW)
H	[mm]	2045	2045
	[inch]	80.51	80.51
B	[mm]	1194	1194
	[inch]	47	47
T	[mm]	612	612
	[inch]	24.09	24.09
T1	[mm]	1140	1140
	[inch]	44.88	44.88
Doors		2	2
Tare weight	[kg]	560	580
	[lbs]	1234.59	1278.68
Interior volume of cabinet	[m³]	0,95	0,95
	[cu. ft.]	33.55	33.55

Electrical data - connection

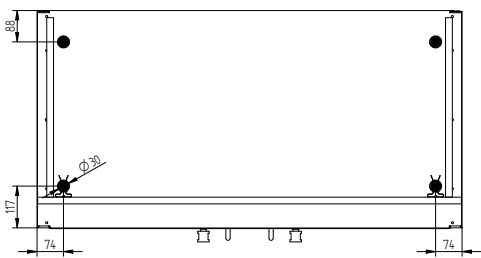
Model size	XL XL (CPW)	
Connection voltage	[V~Hz]	230 ~ 50/60
Fuse	[A]	16
Plug type	Type F (CEE 7/4)	

Top view - more details



NW: 110 (4.33) with adapter 75 (2.95)
 AB: Exhaust air connection
 TH: Thermocouple

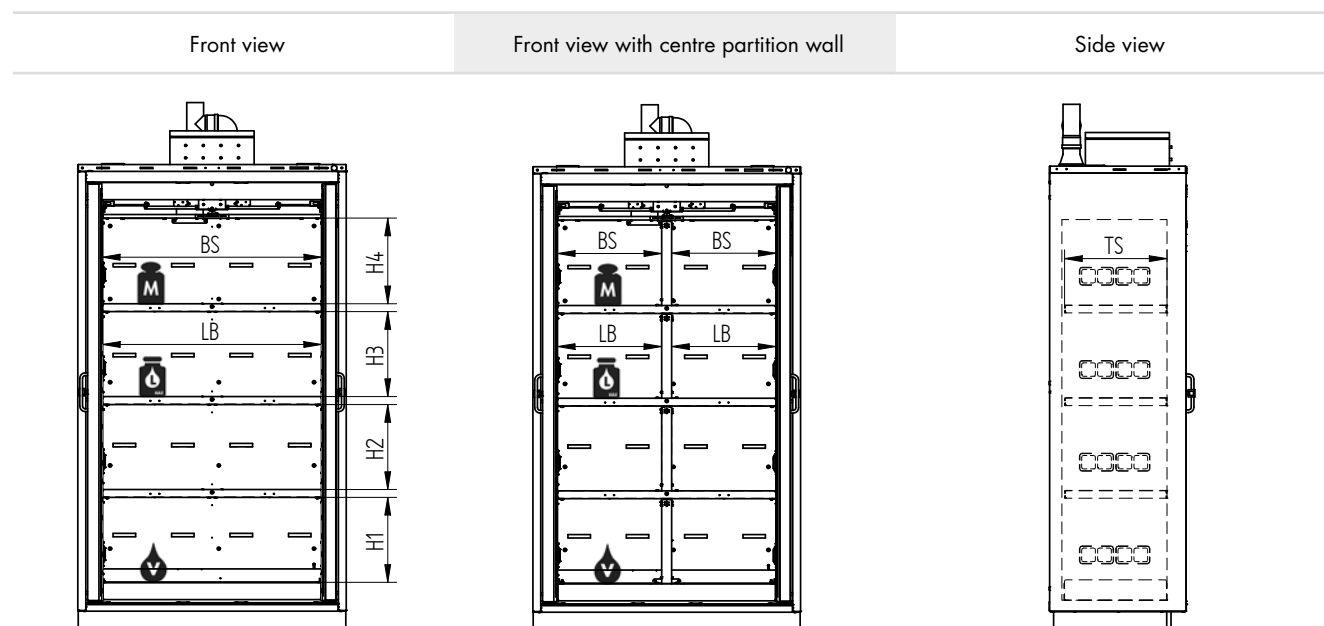
Detail - ajustable feet



● Standing surface of ajustable foot

Tech specs BATTERY station – Type 90

Technical details | Adjustment heights - BATTERY station



5.1

Model size		XL	XL (CPW)
BS	[mm] [inch]	975 38.39	2x 465 2x 18.31
LB	[mm] [inch]	974 38.35	2x 464 2x 18.27
TS	[mm] [inch]	457 17.99	457 17.99
M	[kg] [lbs]	75 165.35	75 165.35
L	[l] [gal]	30 7.93	30 7.93
V	[l] [gal]	33 8.72	33 8.72
Max. additional load	[kg] [lbs]	360 793.66	360 793.66
Number of storage levels		4	4
Number of storage areas		4	8

BS: Width of standing surface, in millimetres
 LB: Clear width, in millimetres
 TS: Depth of standing surface, in millimetres
 M: Load bearing capacity per storage shelf (uniformly distributed), in kilograms
 L: Maximum volume of the largest individual container, in litres
 V: Max. collection volume, in litres
 CPW: (with) centre partition wall

Max. adjustment heights [mm] [inch]

Model size		XL XL (CPW)
Storage shelves	H1	378 14.88
	H2	378 14.88
	H3	378 14.88
	H4	381 15

Electrical data - supply

Model size		XL XL (CPW)
Supply voltage	[V~Hz]	230 ~ 50/60
Fuse per storage areas	[A]	16
Number of sockets per storage areas		4
Sockets for plug type		Type C (CEE 7/16) Type C (CEE 7/17) Type F (CEE 7/4) Type E+F (CEE 7/7)

CLASSIC line pure 5.2



Safety storage cabinets for the storage of flammable hazardous substances in clean rooms



Your added advantage with the CLASSIC line pure!

» Health

Ventilation on each cabinet level provides optimised air exchange.

» Safety

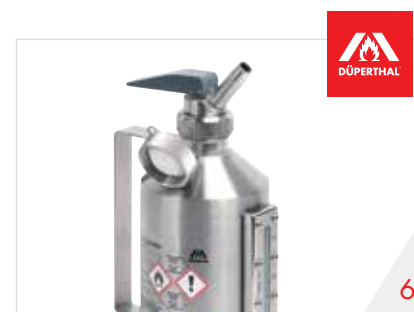
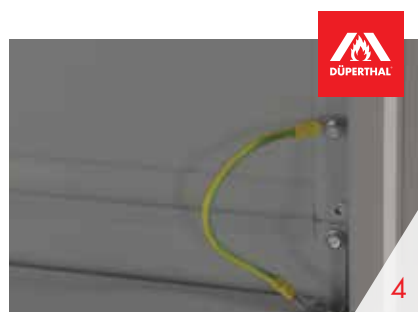
In case of fire, a thermocouple automatically initiates the uninterrupted closing of the doors.

» Working safety

Equipotential bonding saddles as a standard on the cabinet help to prevent spark formation.

Safety storage cabinet with wing door for the storage of hazardous substances in clean rooms and working areas in accordance with TRGS 510. Suitable for installation in Class 5 clean rooms according to DIN EN ISO 14644-1 (M 3.5 = 100 according to US Fed. Std. 209e).

5.2



1 Self-closing in case of fire

Doors have an integrated arrest system as a standard, allowing containers to be placed in and removed from the cabinet with both hands. In case of fire, a thermocouple automatically initiates the uninterrupted closing of the doors.

2 Lock arrangement

Ergonomic lock arrangement at handle level and integrated locking system-compatible locking cylinder in the door.

3 Ventilation

Ventilation at every cabinet level, visual inspection of the venting cut-off flaps.

4 Earthing (system)

Equipotential bonding saddles as a standard on the cabinet unit for flammable liquids help to prevent spark formation.

5 Shelves

By the variable height adjustment, the shelves offer maximum storage capacity and the optimal use of space.

6 VisiCon® safety containers

Safety containers for clean room use with integral inspection glass and measuring scale are optionally available.

CLASSIC line pure – Type 90

Safety storage cabinet with wing door for the storage of hazardous substances in clean rooms and working areas in accordance with TRGS 510. Suitable for installation in Class 5 clean rooms according to DIN EN ISO 14644-1 (M 3.5 = 100 according to US Fed. Std. 209e).



CLASSIC pure M



CLASSIC pure XL

Interior fittings:

- » Interior trim and furnishings made of stainless steel.

Colour:

- » Silver.

Construction:

- » Insulation and fire retardant coating encapsulated and sealed.
- » Outer carcass and wing doors, powder-coated sheet steel.
- » The doors are generally righthinged for one-door cabinets. A left-hung door can be delivered at no extra charge.
- » Special GSB-quality polyester powder for a particularly closed surface in the highest quality.
- » Door handle and base trim made of stainless steel.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



Ordering information



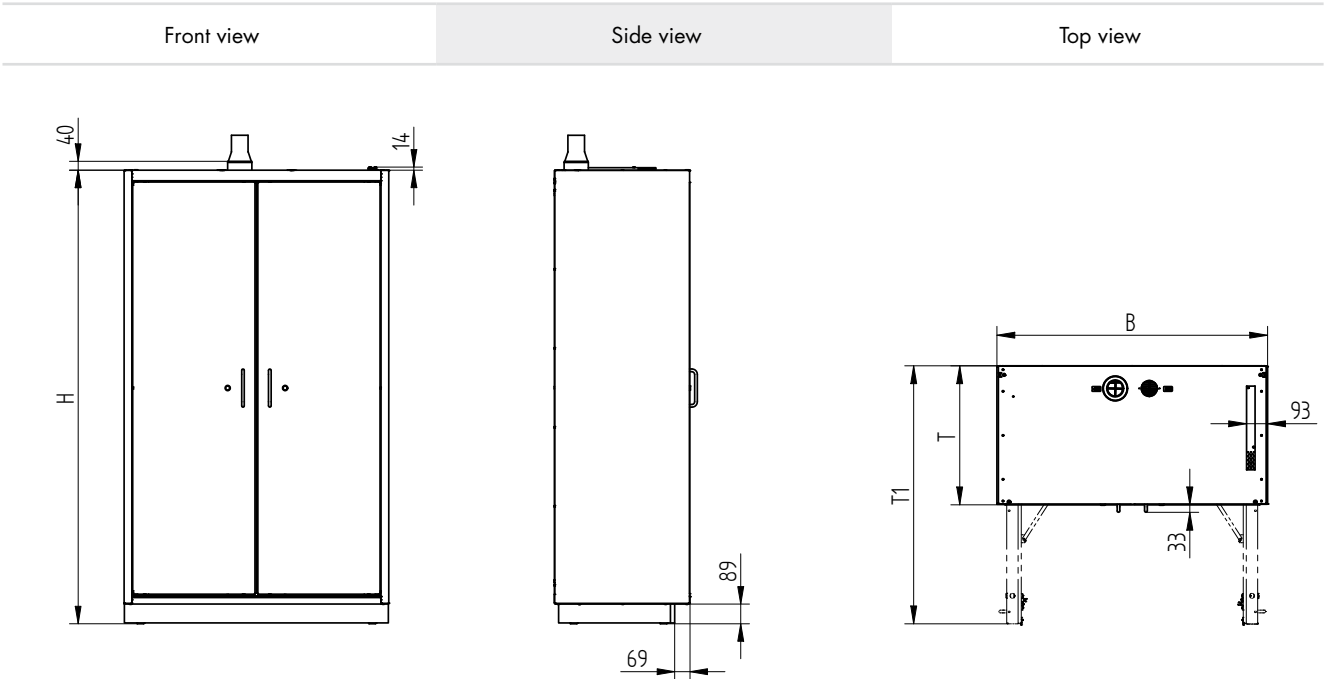
5.2

	CLASSIC pure M	CLASSIC pure XL
Ref. no.		
Interior fittings – stainless steel	29-200667-006	29-201267-006
Details		
	4 storage shelves, 1 bottom tray and base	4 storage shelves, 1 bottom tray and base
Dimensions		
Outer (width x depth x height)	594 x 612 x 2085 [mm] 23.39 x 24.1 x 82.09 [inch]	1194 x 612 x 2085 47 x 24.1 x 82.09
Inner (width x depth x height)	496 x 464 x 1695 [mm] 19.53 x 18.27 x 66.73 [inch]	1098 x 469 x 1700 43.23 x 18.46 x 66.93
Weight	315 [kg] 694.46 [lbs]	530 1168.45
Storage capacity/standing surface (approx. data)		
Size	20 glass lab bottles 8 glass lab bottles	45 glass lab bottles 19 glass lab bottles
Bestell-Nr.		
Additional interior fittings		
Storage shelf	on request	on request
Material		
	Stainless steel	

Other technical details and dimensions from page 350 onwards.

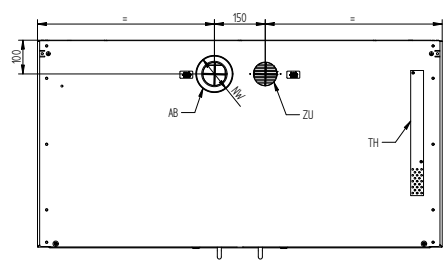
Tech specs CLASSIC line pure - Type 90

Technical details - CLASSIC line pure



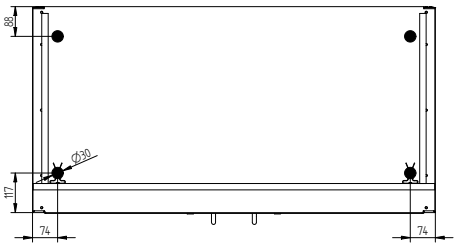
Model size		M	XL
H	[mm]	2045	2045
	[inch]	80.51	80.51
B	[mm]	594	1194
	[inch]	23.39	47
T	[mm]	612	612
	[inch]	24.09	24.09
T1	[mm]	1100	1140
	[inch]	43.31	44.88
Doors		1	2
Tare weight	[kg]	315	530
	[lbs]	694.46	1168.45
Interior volume of cabinet	[m³]	0,43	0,95
	[cu. ft.]	15.19	33.55

Top view - more details



NW: 110 (4.33) with adapter 75 (2.95)
AB: Exhaust air connection
ZU: Air supply
TH: Thermocouple

Detail - ajustable feet



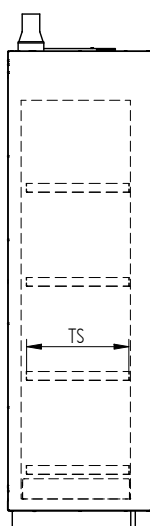
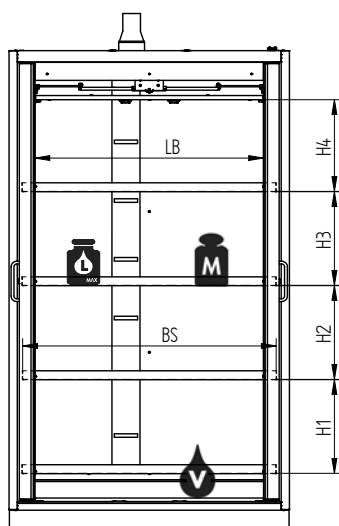
● Standing surface of ajustable foot

Tech specs CLASSIC line pure - Type 90

Technical details | Adjustment heights - CLASSIC line pure

Front view

Side view



Max. adjustment heights [mm] [inch]

Model size	M XL
Storage shelves H1	398 15.67
H2	398 15.67
H3	398 15.67
H4	390 15.35

Adjustable in grid of 16 mm (0.63 inch)

5.2

Model size	M	XL
BS [mm] [inch]	479 18.86	1079 42.48
LB [mm] [inch]	372 14.65	972 38.27
TS [mm] [inch]	435 17.13	435 17.13
M [kg] [lbs]	75 165.35	75 165.35
L [l] [gal]	10 2.64	30 7.93
V [l] [gal]	11 2.91	33 8.72
Max. additional load [kg] [lbs]	360 793.66	360 793.66
Number of storage shelf	4	4

- BS: Width of standing surface, in millimetres
- LB: Clear width, in millimetres
- TS: Depth of standing surface, in millimetres
- M: Load bearing capacity per storage shelf (uniformly distributed), in kilograms
- L: Maximum volume of the largest individual container, in litres
- V: Max. collection volume, in litres

ACID line pure 5.3



Safety storage cabinet for the storage of acids and lye in clean rooms



Not suitable for the storage of
flammable liquids.



**Your added advantage with the
ACID line pure!**

» **Health**

Ventilation on each cabinet level provides optimised air exchange.

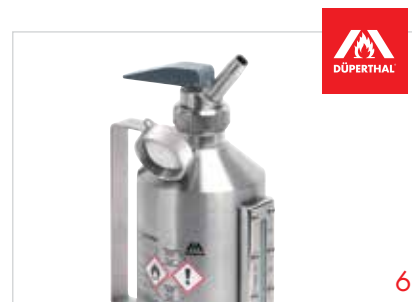
» **Safety**

Maximum media resistance from polypropylene interior fittings and collection trays.

» **Working safety**

Height-adjustable collection trays secured against accidental pulling out.

ACID line pure safety storage cabinets are optimised specifically for the storage of acids and lye in clean rooms. The varied additional functionalities of the cabinets of the ACID line pure increase workplace safety and comfort.



1 Ergonomics

Plastic bow-type door handles at an ergonomic height.

2 Ventilation

Ventilation at every cabinet level ensures an optimized air exchange.

3 Collection trays

Height-adjustable collection trays secured against accidental pulling out.

4 Door arrest system

Door arrested in the closed position and with an opening angle of 115°.

5 Safety lock

Safety lock with profile half-cylinder integrated in the door.

6 VisiCon® safety containers

Safety containers for clean room use with integral inspection glass and measuring scale are optionally available.

ACID line pure

Safety storage cabinets with wing doors for the storage of acids and lye in clean rooms.



ACID pure M



ACID pure XL

Interior fittings:

- » Inner carcass made of polypropylene.
- » 4 collection trays made of polypropylene.

Colour:

- » Silver.

Construction:

- » Polycarbonate handle protection.
- » Plastic bow-type door handles.
- » Outer carcass, powder-coated sheet steel.
- » High-quality polyester powder.
for a particularly closed surface.



Tested safety at a very high level including:



DIN EN 14727

Ordering information

5.3

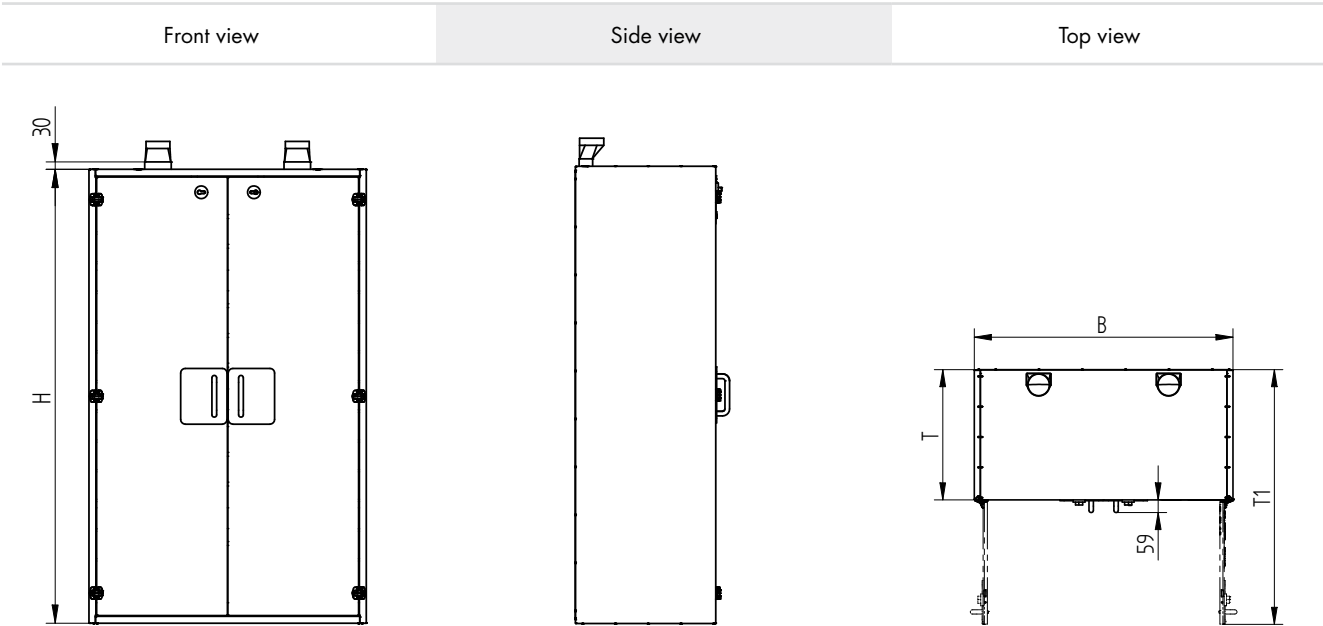


Ref. no.		ACID pure M	ACID pure XL
Polypropylene interior fittings		20-200667-466	20-201267-466
Details		4 collection trays	4 collection trays
Dimensions			
Outer (width x depth x height)	[mm] [inch]	595 x 595 x 1955 23.43 x 23.43 x 76.97	1195 x 595 x 1955 47.01 x 23.43 x 76.97
Inner (width x depth x height)	[mm] [inch]	536 x 507 x 1895 21.1 x 19.96 x 74.61	1136 x 507 x 1895 44.72 x 19.96 x 74.61
Weight	[kg] [lbs]	155 341.72	268 590.84
Storage capacity/standing surface (approx. data)			
Size	[0,5 l/0.26 gal] [1,0 l/0.26 gal] [2.5 l/0.66 gal]	33 glass lab bottles 21 glass lab bottles 9 glass lab bottles	89 glass lab bottles 52 glass lab bottles 21 glass lab bottles
Ref. no.			
Additional interior fittings		Material	
Collection tray		PP	
		20-80667-314	20-81267-314

Other technical details and dimensions from page 358 onwards.

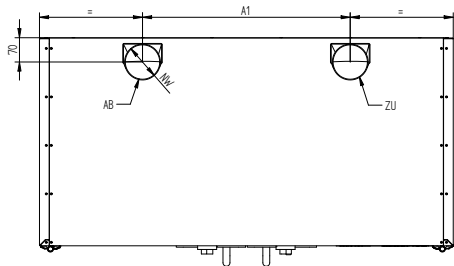
Tech specs ACID line pure

Technical details - ACID line pure



Model size		M	XL
H	[mm]	1955	1955
	[inch]	76.97	76.97
B	[mm]	595	1195
	[inch]	23.43	47.05
T	[mm]	601	601
	[inch]	23.66	23.66
T1	[mm]	1142	1176
	[inch]	44.96	46.3
Doors		1	2
Tare weight	[kg]	155	255
	[lbs]	341.72	562.18
Interior volume of cabinet	[m³]	0,5	1,05
	[cu. ft.]	17.66	37.08

Top view - more details

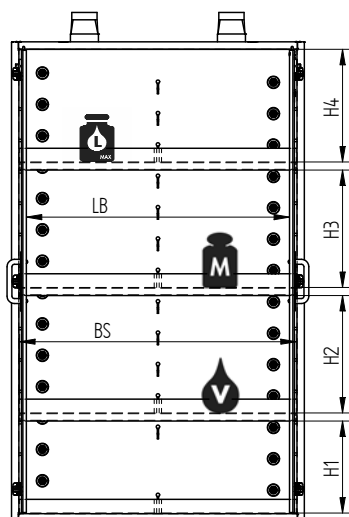


- NW: 110 (4.33) with adapter 75 (2.95)
- AB: Exhaust air connection
- ZU: Air supply
- TH: Thermocouple

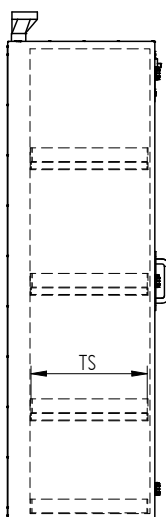
Tech specs ACID line pure

Technical details | Adjustment heights - ACID line pure

Front view



Side view



Max. adjustment heights [mm] [inch]

Model size		M XL
Storage shelves	H1	375 14.76
	H2	479 18.86
	H3	479 18.86
	H4	459 18.07

Adjustable in grid of 128 mm (5.04 inch)

5.3

Model size		M	XL
BS	[mm]	529	1129
	[inch]	18.86	44.45
LB	[mm]	504	1073
	[inch]	19.84	42.24
TS	[mm]	474	474
	[inch]	18.66	18.66
M	[kg]	60	60
	[lbs]	132.28	132.28
L	[l]	12	25
	[gal]	3.17	6.6
V	[l]	14	28
	[gal]	3.7	7.4
Max. additional load	[kg]	240	240
	[lbs]	108.86	108.86
Number of storage shelf		4	4

BS: Width of standing surface, in millimetres

LB: Clear width, in millimetres

TS: Depth of standing surface, in millimetres

M: Load bearing capacity per storage shelf (uniformly distributed), in kilograms

L: Maximum volume of the largest individual container, in litres

V: Max. collection volume, in litres

Networking for maximum process reliability



6

Digital transformation - the changing world of work

In scientific research and industrial production alike, the requirements of each individual in terms of performance, efficiency and costs are constantly increasing. The situation is exacerbated by the fact that specialist employees now have to spend an average of 20-40% of their working time directly on non-specialist activities and meeting extensive documentation obligations.



Legal requirements - directives and regulations

Regulations such as the German Industrial Safety Regulations (BetrSichV) impose an obligation on operators to systematically guarantee occupational safety and to document their activities in compliance with national legislation and directives. Examples in Germany include a risk assessment in compliance with the Technical Rules for Hazardous Substances TRGS 400.

Knowledge management in times of demographic change

Factors such as demographic change and the resulting gaps in knowledge management call for more stable and reliable processes to ensure sustainable occupational safety.

Time as a resource - a value luxury good

Practical example: Simply the task of disposing of solvent wastes promptly and safely prevents an optimum work process and, in practice, takes up valuable time.

Analysis, consultancy and smart process reliability

6

As a technology leader and consultant, DÜPERTHAL supports you in handling hazardous substances in conducting a comprehensive analysis, working with you to identify all the potential for optimising your procedures and work processes. In addition to standard technologies and individually customised system solutions, we use smart technologies that enable you to introduce digital transformation in your company while maintaining reliable processes.



Internet of Things - Building blocks of the future

The Internet of Things (IoT) is the technology to network physical and virtual objects and get them to work together to support people in their activities unobtrusively and without distraction.

Process reliability with Cabi2Net

Our smart safety storage cabinets take over time-intensive and inefficient routine activities, thus supporting you with your processes. This creates scope for your core tasks - tasks that actually require your know-how and your time to complete.

Visualisation and mobility of information

Statuses recorded using sensors can be collated centrally and displayed on stationary monitors, optionally with touch function. It is also possible to access data using mobile devices such as smartphones, tablets etc. or to receive information by push notifications or SMS.

Prevention using smart technology

Step into a new world with Cabi2Net from DÜPERTHAL! This innovation provides you with an incredibly easy way to access all relevant information about the operational status of your DÜPERTHAL safety storage cabinets - linked in a network - anywhere in the world on a smartphone, tablet or PC.



No limits - one network for all cabinet models

The range of specialist cabinet solutions is as diverse as the areas of activity in handling hazardous goods, e.g. for flammable liquids (passive and active), pressurised gas cylinders, batteries, acids and lye. Despite all the specific differences, all solutions - and the relevant data for each - can be combined in a single network using Cabi2Net.

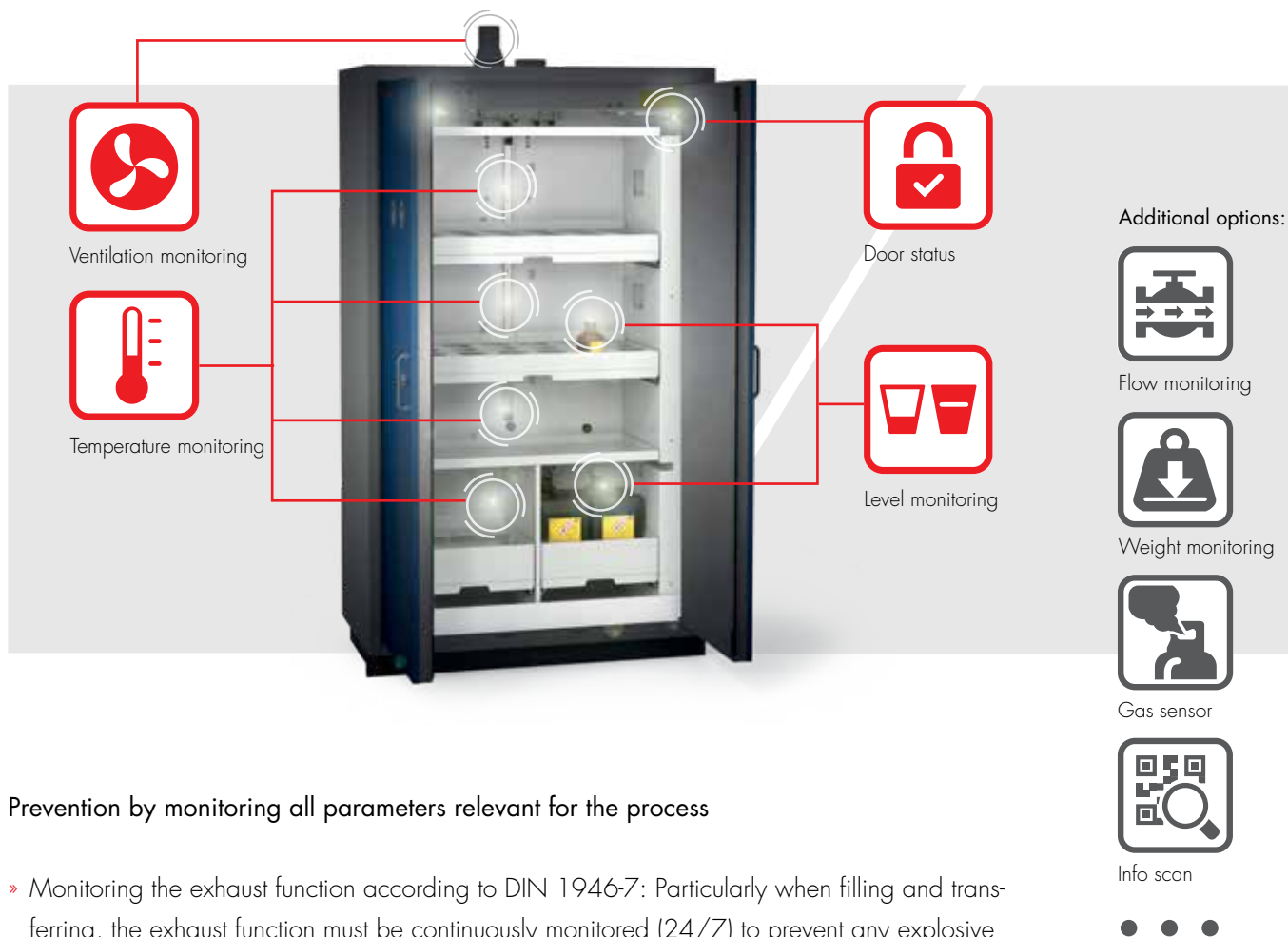
Evaluation and interfaces

By an almost unlimited choice of sensors, you can constantly monitor and record all relevant operating parameters. A variety of interface solutions enable the usage parameters to be transferred from Cabi2Net to your local system for evaluation and further processing.

Sensors - always the right pulse generator

6

Every operator is responsible for the safety of users and their activities along the entire internal process chain. Reliable sensors for monitoring the operational status are a fundamental requirement here. The example application shown here can be applied to all DÜPERTHAL safety storage cabinets and is individually adapted to your requirements.



Prevention by monitoring all parameters relevant for the process

- » Monitoring the exhaust function according to DIN 1946-7: Particularly when filling and transferring, the exhaust function must be continuously monitored (24/7) to prevent any explosive atmosphere in compliance with DIN EN 60079-10-1.
- » Level monitoring with a great variety of sensors to minimise the risk of overfilling in compliance with national laws and directives, in Germany TRGS 509.
- » Temperature sensors for preventive early detection of thermal events in the safety storage cabinet and for easy compliance with hazardous substances regulations set out in safety data sheets.
- » Door opening status sensor to monitor whether doors are closed properly in compliance with DIN EN 14470-1.

We are always happy to work with you to implement your specific requirements.

Individual interfaces, suitable for all systems

A system is only as good as the interfaces that allow it to communicate. Cabi2Net can be integrated into numerous systems and existing networks, providing a variety of different services. The objectives are easy integration, a high data transmission rate in real time and maximum data security.



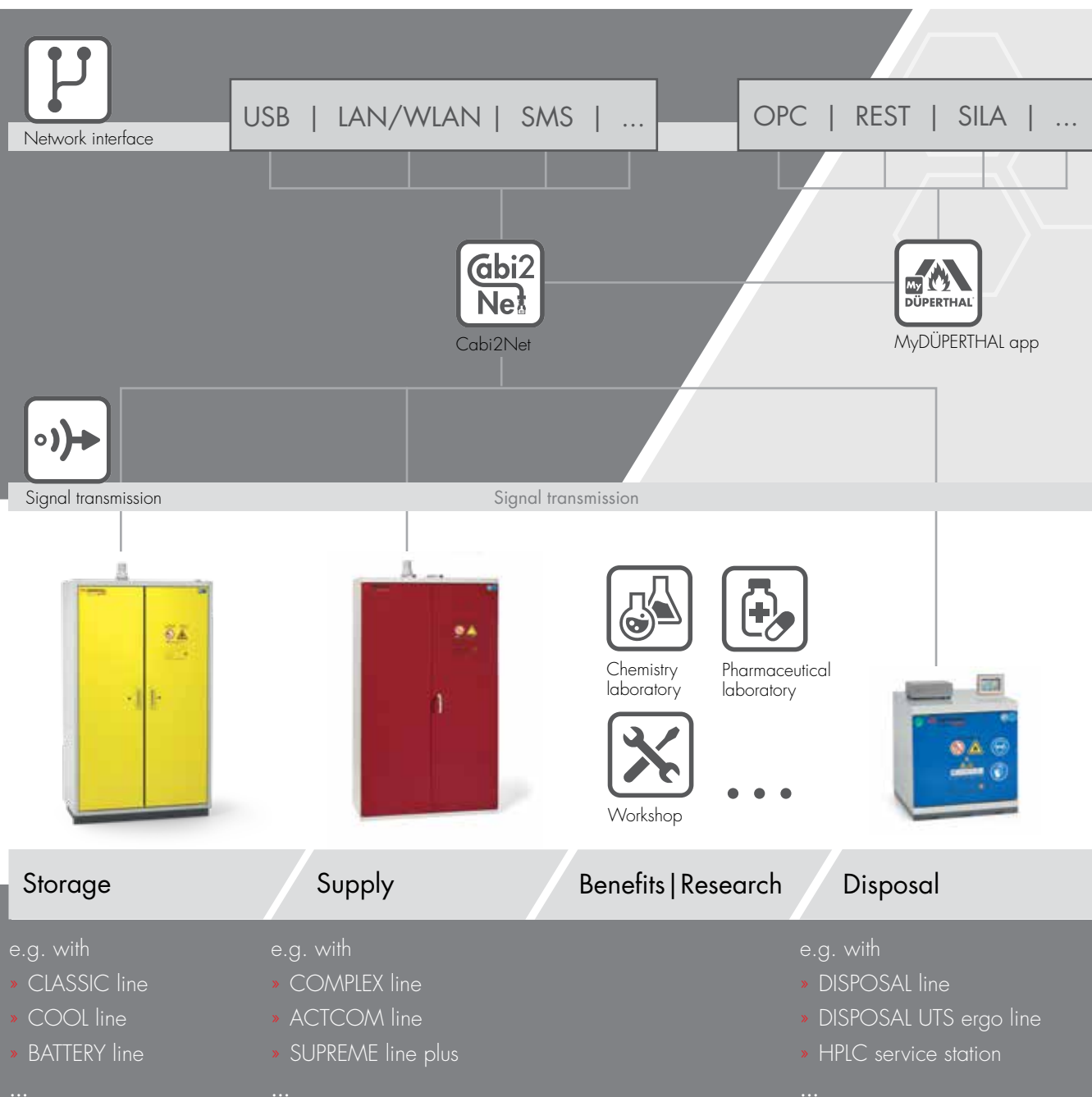
All parameters at a glance thanks to interfaces

- » A variety of network interfaces for exchanging data with external systems and remote access to process-related information.
- » Real time electronic logging.
- » Individual adjustment of the system configuration thanks to different user levels.
- » Visualisation of the operational status on different display types, e.g. touch function display.
- » Easy operation with keyboard, mouse or touch display.
- » Individual control of all cabinets in the system.
- » Digital and analog inputs for evaluating a large number of sensors.
- » Digital outputs for switching signal lamps, acoustic warning devices, release or locking mechanisms.

Lean over the entire working process

6

Logical steps – consistent, continuous safety: A variety of system solutions combined with Cabi2Net support you in strategically planning and optimising your processes and the entire value chain. Smart safety storage cabinets are an assistant, supplier of process-related information, storage location and workplace in one. This creates efficient and lean processes that benefit you.



Prevention and economic efficiency

The new Cabi2Net system from the technology leader DÜPERTHAL enables you to effectively control your work processes and to make them safe and reliable. In addition to preventive risk management, this includes simplified handling of important documents and logging of all relevant operating parameters. Cabi2Net also provides you with process-related performance indicators as a basis for sustainable use of resources.



Recording of all relevant operating statuses of your safety storage cabinet

- » Systematic monitoring of ventilation.
- » Digital and analog level monitoring.
- » Continuous monitoring of temperature data.
- » Door status information.
- » Traceable media and quantity selection.
- » Consumption monitoring using weighing systems or flow meters.
- » Compatible connections for gas detectors.
- » Customised sensors.

 Video on Cabi2Net





Added value from smart technology

- » Worldwide access to all relevant operating statuses of networked cabinets at any time.
- » Digital storage and comprehensive documentation of safety data sheets, instructions, storage schedules, hazardous substance directories, etc.
- » Programmable access control with identification for increased legal security.
- » Defined process control with integration of all staff responsible of working safety.
- » Stand-alone version Smart Control with SIM/UTMS card available as an option.
- » Intelligent linking of all storage concepts, either by a networked Cabi2Net, by the stand-alone version Smart Control or by user input.



Invest and profit, your return on investment

By using Cabi2Net, you and your employees can make active and effective use of the new resources provided to focus on your core work. Depending on the scope of the project, a return on investment is normally achieved within a year. We will be happy to arrange a meeting with you to discuss the possibilities and opportunities.



Cost optimisation from interfaces to downstream systems

- » Recording of media consumption and automated procurement of necessary media using real time data transmission for maximum supply reliability.
- » Calculation of performance indicators to reduce procurement costs through central ordering system in purchasing.
- » Monitoring of media dispensing and reduction of costs through falling consumption quantities.
- » Transparency and optimisation of media consumption and disposal costs by assignment and posting to cost centres.



Resource conservation due to automated processes

- » High compatibility and integrated interfaces to existing data management systems reduce operating costs and enable a paperless organisation.
- » Authorised self-service in media dispensing frees up resources, which can be used for active operations elsewhere.
- » Eases the burden on your specialist staff and reduces process and laboratory costs through automatic forwarding of information, e.g. on required exchange of waste collection containers.
- » Management of the company is improved through real time performance indicators.
- » Resource conservation and sustainable management positively influence your environmental balance (carbon footprint) and support you in meeting the requirements of the environmental management standard ISO 14001.
- » Ideal basis for quality assurance in production processes and guarantee of product quality as part of GMP (good manufacturing practice).



More mobile than ever - with MyDÜPERTHAL

Are you often on the move with your smartphone or tablet and want to maintain an overview of your operational processes? If so, you can take advantage of our exciting MyDÜPERTHAL app. Our brand new app gives you access to all the relevant operating parameters for your safety storage cabinets from your mobile devices, wherever you are.

6



Increased knowledge and reproducibility with MyDÜPERTHAL

With MyDÜPERTHAL, the focus is always on you - the person.

The variety of functions of MyDÜPERTHAL support you in your day-to-day working routine and help you to implement and document processes. The app collates and combines the digital information from individual areas of the company, makes events reproducible, and allows access worldwide at any time.

 Video on
MyDÜPERTHAL



Use MyDÜPERTHAL - whenever and wherever you want

Our smart safety storage cabinets supply you with process-related information and help you in your day-to-day working routine. MyDÜPERTHAL collates the data centrally and allows it to be accessed at any time from anywhere in the world on any mobile device.



Added value from MyDÜPERTHAL

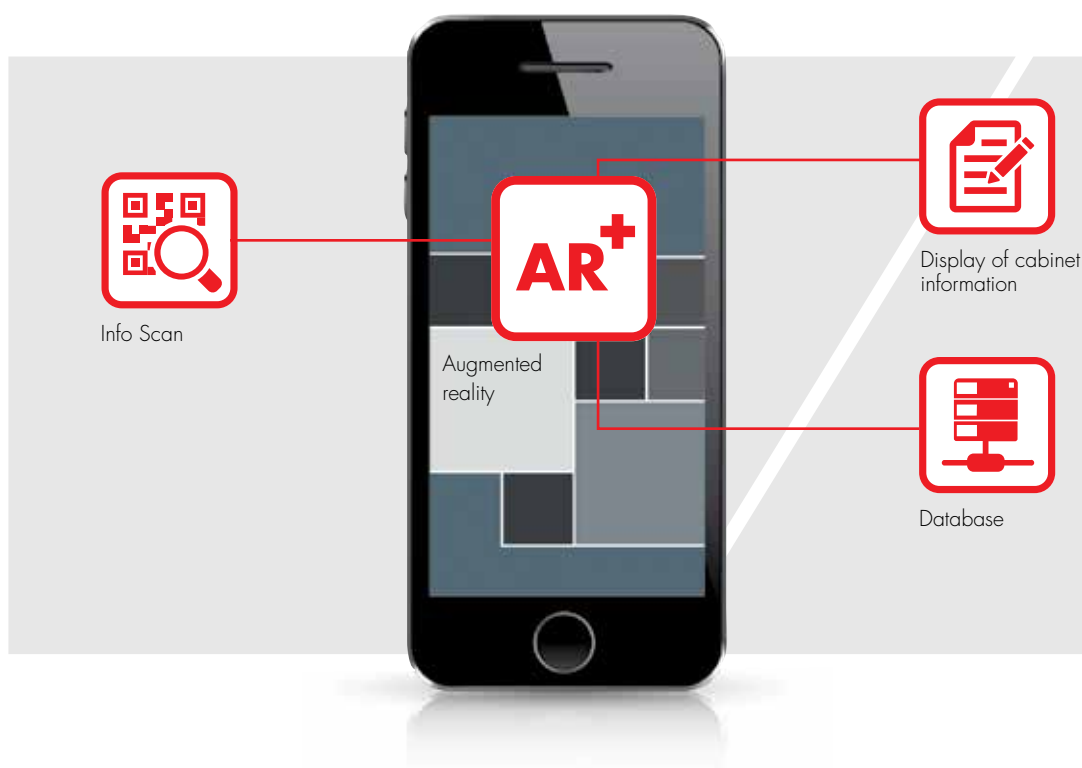
- » Central management of all dynamic and static cabinet data.
- » Application compatible with smartphones, tablets and PC.
- » Push notifications for critical sensor signals, e.g. fill levels, ventilation function, temperatures.
- » Automatic reminders for next maintenance of your safety equipment, including additional details such as installation location.
- » Dedicated cabinet management for each user.
- » Access to individual cabinet and store information, such as operating instructions, data sheets etc., at any time.
- » Automatic information entry via Cabi2Net and Smart Control and by user input.
- » Storage of all information in an external database is possible.
- » DÜPERTHAL system interfaces allow evaluation of parameters from logistics and procurement processes.



Quick Scan - digital infotainment for every safety storage cabinet

6

Expand your actual safety storage cabinet with a virtual representation of relevant process information on your smartphone or tablet. With the Quick Scan function you can find out all current and saved process data in real time.



Advantages of the augmented reality function

- » Digital infotainment: Actual cabinet and virtual information are combined in real time.
- » Display of process data in the virtual space directly on the safety storage cabinet.
- » Direct comparison of data for evaluated processes on site possible, e.g. exhaust function, fill levels or storage information.
- » Augmented reality enables digital planning data to be compared with available actual information efficiently and in real time.
- » The application allows interactive development and intervention in ongoing processes.
- » Details of the installation location and possible special features or maintenance intervals can be directly retrieved.

Smart Control - the efficient stand-alone solution

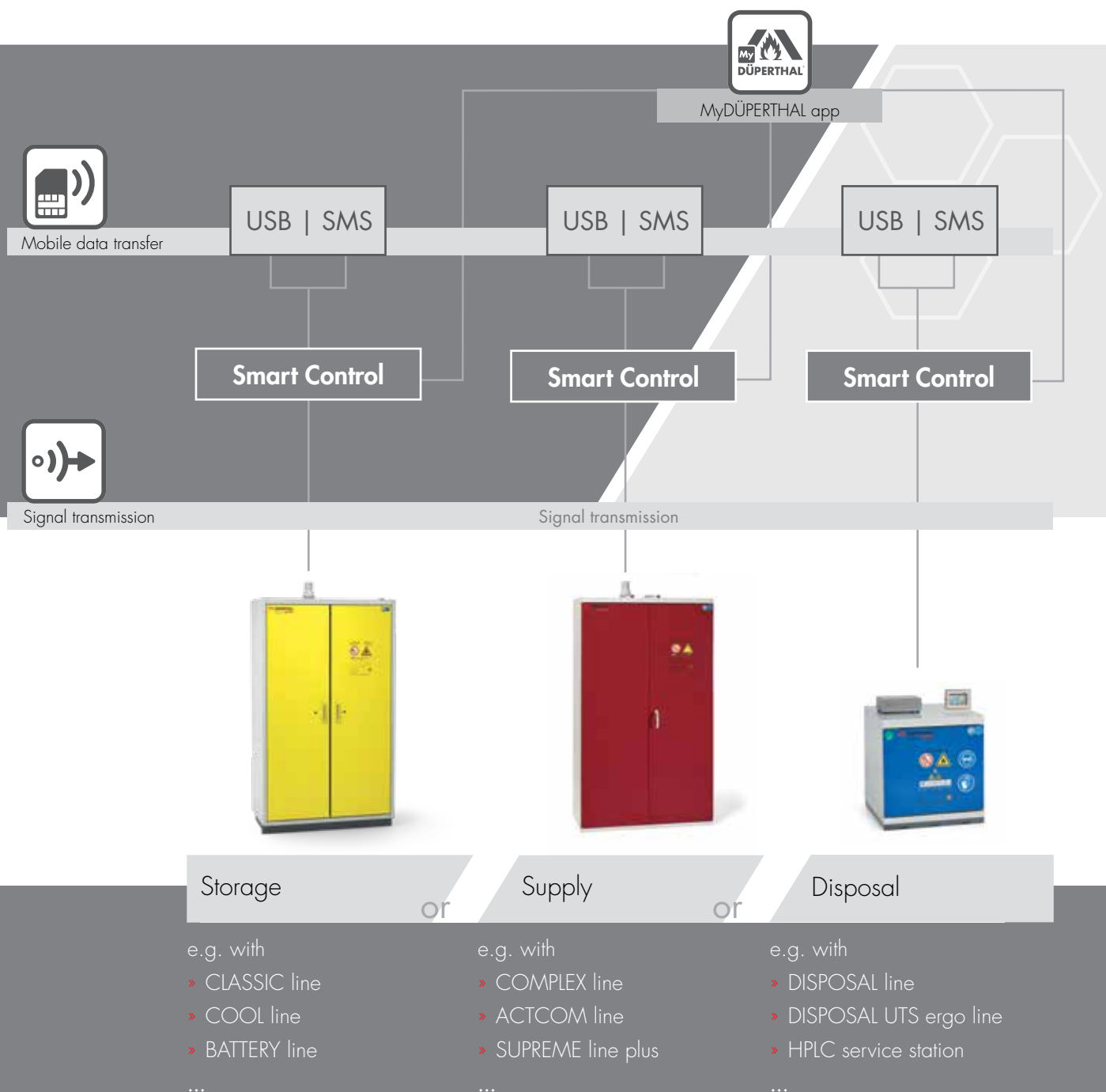
Because of their complex functionality, modern safety storage cabinets are a storage location and workplace at the same time. Preventive working safety and process reliability are extremely important. With Smart Control and the right choice of sensors, processes can be efficiently optimised and the level of prevention adapted to individual requirements.



Preventive and proactive working safety - the Smart Control performance profile

- » Stand-alone version - always a 1:1 relationship to a safety storage cabinet.
- » Touch display includes error indication and data storage for logging.
- » Transmission of data via SMS for mobile use and via USB.
- » Digital inputs and outputs as well as optical and acoustic error indication.
- » Integration into MyDÜPERTHAL possible.
- » Varied sensor range for numerous monitoring functions for the exhaust air status, fill level, temperature, door opening etc.

Smart Control enables you to optimise your processes, regardless of whether you are using a safety storage cabinet for supply or disposal, or perhaps for storage of batteries or pressurised gas cylinders.



System solutions | Example process

In industry, there are more and more digital interfaces between operations and their partners, e.g. for automatic delivery of components and screws. In the field of chemistry, tracking systems for hazardous substances are the first step towards a networked world of work. However, there is a virtually unlimited number of applications which require reliable processes for safe handling of hazardous substances. Here are a few practical examples to inspire you!



1 BATTERY XL - Temperature sensor

For storage of substances for which self-ignition cannot entirely be ruled out, e.g. lithium ion batteries, temperature sensors are recommended for prevention. These act as an early warning system for detection of thermal events in the cabinet interior.

2 SUPREME line plus - Gas detectors and weighing sensors

When using certain gases, it is necessary to connect a gas detector to protect employees. They can be integrated into the system just as easily as the weighing sensors already used to determine the fill level of pressurised gas cylinders.

3 DISPOSAL UTS ergo line - Level monitoring

To minimise the risk of overfilling in compliance with TRGS 509, the use of level monitoring sensors is recommended. There are digital sensors which report a limit level measurement or analog sensors which offer a continuous measurement of fill levels. For either application, capacitive sensors are available, which have no contact with the medium, or floating sensors, which do have contact with the medium to be monitored.



4 ACTOM line for reliable supply

The ACTCOM line is the best solution for combined supply and disposal of solvents. Sensors enable the fill levels of the supply media to be recorded to ensure prompt reordering, as well as the levels of accumulated waste materials.

5 COMPLEX LL: Monitoring of exhaust function

Particularly when filling and transferring, the exhaust function according to DIN 1946-7 must be continuously monitored (24/7) to prevent any explosive atmosphere in compliance with DIN EN 60079-10-1.

6 CLASSIC line - Door opening status sensor

The doors of safety storage cabinets used for storage of hazardous substances must be kept closed after use in compliance with DIN EN 14470-1. This applies especially if the exposure of the stored media bears any safety risks. This sensor can provide an easy way to monitor the status of the door (open/closed).

Exhaust air systems, filter systems and ventilators

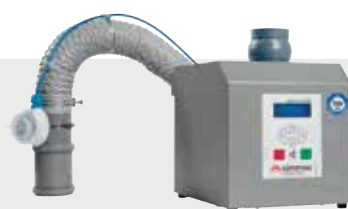


Exhaust air systems, filter systems and ventilators

7.1 Exhaust air systems

7.2 Filter systems

7.3 Ventilators



from page

386



388

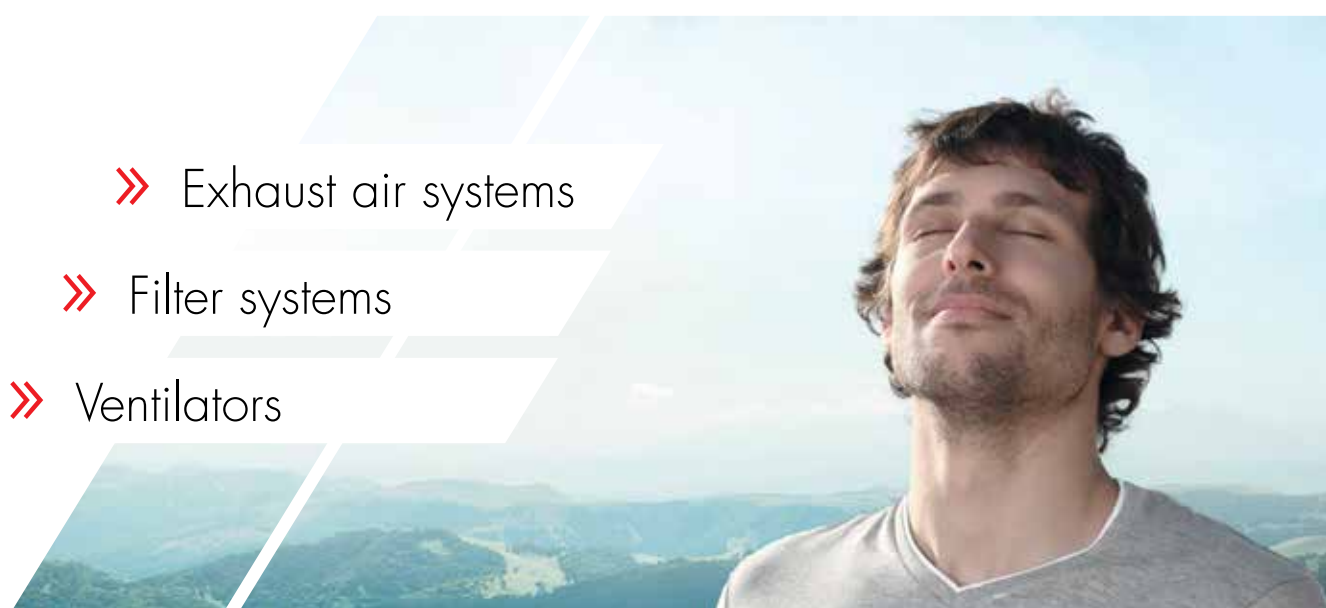


390

Exhaust air and filter systems



To guarantee maximum safety for your employees, connection to technical exhaust air systems is essential in the case of many chemicals. DÜPERTHAL offers a variety of solutions to stop harmful vapours escaping into the working area. All ventilators and components comply with Directive 2014/34/EU (ATEX) and thus meet the highest safety standards.



» Exhaust air systems

» Filter systems

» Ventilators

Room ventilation systems in accordance with DIN 1946-7

Safety storage cabinets are exhaust air treatment facilities when they are operated with outgoing air or recirculating air. Exhaust systems should be planned, set up and operated in such a way that no hazard can arise due to a dangerous explosive atmosphere. Released gases, vapours and aerosols must be led away and diluted so that there are no health risks due to inhalation. Only continuous monitoring of the ventilation allows the operator to take appropriate technical and organisational measures to prevent hazards in the event of a failure of the ventilation.

In the design of the systems, it must be ensured that the sound pressure level in the room does not exceed 52 dB(A).



**ATEX-compliant
2014/34/EU**



ATEX Directive 2014/34/EU

Attaching a ventilator to a safety storage cabinet for flammable liquids or flammable gases represents an equipment combination. In accordance with the German Industrial Safety Regulation (BetrSichV), ventilators must meet the requirements of Directive 2014/34/EU (valid since 20.04.2016, previously 94/9/EC) as equipment in hazardous areas of Zone 2.

Flammable and aggressive vapours

Due to the large number of flammable and aggressive vapours, it is not possible to give a blanket statement on the resistance of the exhaust air systems and ventilators. We recommend the following: Make sure the ventilator material will not be attacked by the vapours of the stored media - the manufacturer or the EC material safety data sheet of the liquid can help in determining this.

7.1.1 Exhaust air monitor with ventilator

ATEX  DIN EN 



For easy ventilation and monitoring of safety storage cabinets. A sensor monitors the air stream and gives a visual and audible signal if the value drops below the required value. The complete exhaust air monitoring unit including the integrated ventilator is supplied pre-assembled and is placed directly on the cabinet. The required value for the air stream flow rate is preset ex works and can be individually adjusted using the pressure difference socket. The cage is made of sheet steel, powder-coated in silver pearl glimmer.

- » Exhaust air rate suitable for every size of cabinet electronically adjustable.
- » **ATEX conformity as per Directive 2014/34/EU and type certificate from TÜV Süd.**
- » Air flow sensor monitors the actual exhaust air flow rate – the complete ventilation system of the cabinet is monitored.
- » Monitoring of the volumetric flow rate and power supply.
- » Optical and acoustic warning if the exhaust air flow rate falls short of the preset value.
- » Including two floating contacts (24 V/2 A) for signal transmission to an external control centre.
- » Internal storage accumulator supplies the monitoring systems for 4 hours in the event of a power failure, display with simple fault indication.
- » Easy installation as ready to plug in on delivery.
- » Storage of the last 50 error messages including date, time, type of error and change of menu.
- » Modern “blue mode” LED display with choice of languages: German, English or French.
- » The exhaust air monitor function can be switched off.
- » Ventilator according to DIN EN 14986 – low noise level.
- » Permanent monitoring in accordance with DIN 1946-7.

Ref. no.		2.00.320-1	
Dimensions [mm] [inch]		Technical specifications	
Width	250	Collar Ø	[mm] 75
	9.84		[inch] 2.95
Depth	318	Volumetric flow rate*	[m³/h] 0 – 72
	12.52		[cubic ft/h] 0 – 2648.25
Height	352	RPM*	[1/min] 0 – 2820
	13.86	Voltage/frequency	[V/Hz] 230/50
		Nominal current	[A] 0.1
		Noise level	[dB(A)] 34 – 56

*Gradual, without resistance

7.1.2 Exhaust air monitor without ventilator

ATEX  DIN EN 



For easy monitoring of the ventilation of safety storage cabinets. A sensor monitors the air stream and gives a visual and audible signal if the value drops below the required value. The complete exhaust air monitoring unit is supplied pre-assembled and is placed directly on the cabinet. The required value for the air stream flow rate is preset ex works and can be individually adjusted using the pressure difference socket. The cage is made of sheet steel, powder-coated in silver pearl glimmer.

- › **ATEX conformity as per Directive 2014/34/EU and type certificate from TÜV Süd.**
- › Air flow sensor monitors the actual exhaust air flow rate – the complete ventilation system of the cabinet is monitored.
- › Monitoring of the volumetric flow rate and power supply.
- › Optical and acoustic warning if the exhaust air flow rate falls short of the preset value.
- › Including two floating contacts (24 V/2 A) for signal transmission to an external control centre.
- › Internal storage accumulator supplies the monitoring systems for 4 hours in the event of a power failure, display with simple fault indication.
- › Easy installation as ready to plug in on delivery.
- › Storage of the last 50 error messages including date, time, type of error and change of menu.
- › Modern "blue mode" LED display with choice of languages: German, English or French.
- › The exhaust air monitor function can be switched off.

Ref. no.

2.00.360

Dimensions [mm] [inch]	
Width	210 8.27
Depth	210 8.27
Height	215 8.46

Technical specifications

Collar Ø	[mm] [inch]	75 2.95
Voltage/frequency	[V/Hz]	230/50
Nominal current	[A]	0.1

7.1.3 Ventilation unit with ventilator

ATEX  DIN EN 



For easy ventilation of safety storage cabinets. The ventilation unit including the integrated ventilator is supplied pre-assembled and is placed directly on the cabinet. The cage is made of sheet steel, powder-coated in silver pearl glimmer.

- › **ATEX conformity as per Directive 2014/34/EU and type certificate from TÜV Süd.**
- › Easy installation as ready to plug in on delivery.
- › Ventilator according to DIN EN 14986 – low noise level.

Ref. no.

2.00.339-1 2.00.340-1

Dimensions [mm] [inch]	
Width	250 9.84
Depth	318 12.52
Height	352 13.86

Technical specifications

Collar Ø	[mm] [inch]	75 2.95	75 2.95
Volumetric flow rate	[m³/h] [cubic ft/h]	72 2648.25	60 2118.6
RPM*	[1/min]	2600	1200
Voltage/frequency	[V/Hz]	230/50	230/50
Nominal current	[A]	0.1	0.1
Noise level	[dB(A)]	56	37

*Without resistance

7.2.1 Filter unit with ventilator

ATEX  DIN EN 



For ventilation and monitoring of safety storage cabinets through almost 100 % filtering of harmful vapours of solvents (hydrocarbons) by molecular adsorption. The filtering provides optimal protection of the user. An additional exhaust air connection socket is not required, therefore the filter unit can be positioned directly on top of or beside the cabinet and can be put into operation. The cleaned air is released into the room without consuming heated or conditioned air. A sensor monitors the air stream and gives a visual and audible signal if the value drops below the programmed required value. The cage is made of sheet steel, powder-coated in silver pearl glimmer.

- » Exhaust air rate suitable for every size of cabinet electronically adjustable.
- » **ATEX conformity as per Directive 2014/34/EU and type certificate from TÜV Süd.**
- » Compliance with the requirements of modern laboratories "green labs" with highest flexibility of installation.
- » **Multi-stage, earthed filter system with safety of factor 2 – consisting of:**
 - Activated carbon filter with doubled quantity of activated carbon up to 100 % filtering.
 - Additional particle filter in accordance with DIN EN 779.
- » **Multi-stage filter warning system:**
 - Pressure difference monitoring adjustable.
 - Filter elements and cover of filter monitored by microswitches.
 - Time function, up to the next maintenance – in acc. with DIN 12927 and EN 13463 filter change is necessary annually.
 - 3-month check of the activated carbon filters by the user - monitored through input protocol and time function.
- » List of filterable substances.
- » Warning system with fault indication in the event of ventilator failure.
- » Electronic logging of the error messages.
- » Two floating contacts (24 V/2 A) for signal transmission.
- » Modern "blue mode" LED display with choice of languages: German, English or French.
- » Easy installation as ready to plug in on delivery.
- » Compliance with the requirements of TRGS 510, DGUV regulation 1 and TRGS 727.
- » Ventilator in accordance with DIN EN 14986.
- » Permanent monitoring in accordance with DIN 1946-7.

Ref. no.

2.00.390-1*

Dimensions [mm]
[inch]

Width	530 20.87
Depth	440 17.32
Height	270 10.63

Technical specifications

Collar Ø	[mm] [inch]	75 2.95
Volumetric flow rate*	[m³/h] [cubic ft/h]	0 – 37 0 – 1306.47
RPM*	[1/min]	0 – 2820
Voltage/frequency	[V/Hz]	230/50
Nominal current	[A]	0.1
Noise level	[dB(A)]	38 – 56

Accessories

Filter set
(activated carbon and particle
filter)

Ref. no.

2.00.393*

* Gradual, without resistance

7.2.2 Filter unit with ventilator

ATEX DIN EN CE



For ventilation and monitoring of safety storage cabinets through almost 100 % filtering of harmful vapours of solvents (hydrocarbons) or acids by molecular adsorption. The filtering provides optimal protection of the user. An additional exhaust air connection socket is not required, therefore the filter unit can be positioned directly on top of or beside the cabinet and can be put into operation. The cleaned air is released into the room without consuming heated or conditioned air. A sensor monitors the air stream and gives a visual and audible signal if the value drops below the programmed required value. The cage is made of sheet steel, powder-coated in silver pearl glimmer.

- » Whisper-quiet ventilator for especially low noise emission.
- » **ATEX conformity according to 2014/34/EU.**
- » Compliance with the requirements of modern laboratories "green labs" with highest flexibility of installation.
- » **Multi-stage, earthed filter system with safety of factor 2 – consisting of:**
 - Activated carbon filter with doubled quantity of activated carbon up to 100 % filtering.
 - Additional particle filter in accordance with DIN EN 779.
- » **Multi-stage filter warning system:**
 - Filter cover of micro-switch monitored.
 - Time function, up to the next maintenance - in acc. with DIN 12927 and EN 13463 annual filter change is necessary, inspection with coding and automatic switch-off.
 - 3-months check of the activated carbon filters by the user - monitored through input protocol and time function.
- » List of filterable substances.
- » Warning system with fault indication in the event of ventilator failure.
- » Floating contact (24 V/2 A) for signal transmission.
- » LED display for function control.
- » Easy installation as ready to plug in on delivery.
- » Compliance with the requirements of TRGS 510, DGUV regulation 1 and TRGS 727.
- » Ventilator in accordance with DIN EN 14986.
- » Permanent monitoring in accordance with DIN 1946-7.

7.2

Ref. no., for vapours of solvents (hydrocarbons)	2.00.397-1*
Ref. no., for vapours of acids	2.00.397-1S

Dimensions [mm]	
	[inch]
Width	550 21.65
Depth	445 17.52
Height	275 10.83

Technical specifications		
Collar Ø	[mm] [inch]	75 2.95
Volumetric flow rate	[m³/h] [cubic ft/h]	24 847.44
Voltage/frequency	[V/Hz]	230/50
Performance	[W]	26
Noise level	[dB(A)]	43

Accessories	Ref. no.
Filter set for vapours of solvents (activated carbon and particle filter)	2.00.393*
Filter set for vapours of acids (activated carbon and particle filter)	2.00.399S*

7.3.1 Radial fan ATEX compliant

ATEX  DIN EN 



For extracting explosive atmospheres that are a health risk.

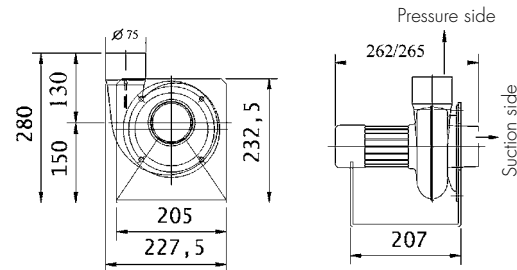
Housing with shaft seal made of polypropylene (PP-FR) - fire retardant - manufactured using injection moulding process. Polypropylene, anti-clockwise impeller with scooped blades, including PVC assembly pedestal.

- » Universal use.
- » Low noise level.
- » Maintenance free.
- » Ventilator in accordance with DIN EN 14986.
- » Easy installation due to pedestal.
- » Self-cooling AC motor.
- » Integrated thermostatic switch.*
- » **ATEX-compliant.**

Note: The exhaust stream does not come into contact with the motor. An explosion-proof version is therefore only necessary within areas endangered by explosion. Generally all new ventilators must be ATEX-compliant.

Ref. no.	2.00.176-1	2.00.177-1
Technical specifications		
Engine power [kW]	0.1	0.08
Voltage [V]	230	230
Frequency [Hz]	50/60	50/60
Nominal current [A]	0.6	0.7
Noise level L_{p5A} [dB(A)]	54	45
RPM [1/min]	2810	1300
Weight [kg] [lbs]	5 11.02	5 11.02
Protection type	IP 54	IP 54

Dimensions [mm]



Accessories	Ref. no.
PVC collar, soft, with 2 hose clamps made of stainless steel Ø 70-90 mm (Ø 2.75-3.54 inch)	2.00.078-1
PVC spiral hose NW 75 mm/2.95 inch (max. 10 m/32.8 ft length)	2.00.079
Thermistor machine protection device (230 V)*	2.00.080
Reducer connection made of aluminium Ø 75/125 mm (Ø 2.95/4.92 inch)	2.00.050

* Thermal protection acts as overload protection, which automatically interrupts the power supply.

7.3.2 Radial fan Explosion-proof

ATEX  DIN EN 



Housing with shaft seal made of polypropylene (PP-FR) - fire resistant - manufactured using injection molding process. Polypropylene, anti-clockwise ventilator with scooped blades, including grey (RAL 7011) coated sheet steel assembly pedestal.

- » **Explosion-proof.**
- » Universal use.
- » Low noise level.
- » Maintenance free.
- » Ventilator in accordance with DIN EN 14986.
- » Easy installation due to pedestal.
- » Self-cooling three-phase motor, EExII T4.
- » Model 2.00.179EX
- » Self-cooling three phase AC motor with capacitor for AC operation.
- » **ATEX-compliant.**

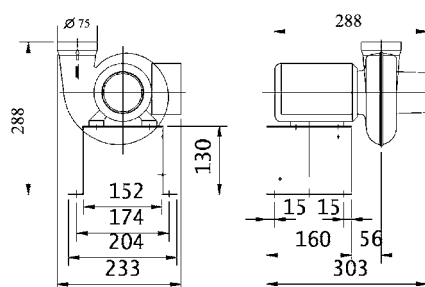
7.3

Ref. no.	2.00.175EX	–	2.00.179EX
Ref. no., with PTC resistor*	2.00.176EX	2.00.178EX	–

Technical specifications

Engine power	[kW]	0.18	0.12	0.12
Voltage	[V]	400	400	230
Frequency	[Hz]	50	50	50
Nominal current	[A]	0.92	0.37	1.1
Noise level Lp5A	[dB(A)]	54	45	54
RPM	[1/min]	2750	1355	2780
Weight	[kg] [lbs]	11 24.25	11 24.25	11 24.25
Protection type		IP 55	IP 55	IP 54

Dimensions [mm]



Accessories

PVC collar, soft, with 2 hose clamps made of stainless steel Ø 70-90 mm (Ø 2.75-3.54 inch)
PVC spiral hose NW 75 mm/2.95 inch (max. 10 m/32.8 ft length)
Thermistor machine protection device (230 V)*
Reducer connection made of aluminium Ø 75125 mm/Ø 2.954.92 inch

Ref. no.

2.00.078-1
2.00.079
2.00.080
2.00.050

* For units with PTC resistor (explosion-proof versions) a thermistor machine protection device - see accessories - must be connected for the purpose of switching off the unit.

Safety containers and cleaning vessels



8

Safety containers and cleaning vessels

from page

8.1	For hazardous liquids	395
8.2	Safety funnels	406
8.3	For hazardous substances	408
8.4	Cleaning vessels	409
8.5	Cleaning tanks	413

8.1.1 VisiCon - Safety containers made of stainless steel optionally with integrated sight glass and measuring scale



Collection container with sight glass ① - 5.90.002, ② - 5.90.001, collection container without sight glass ③ - 5.90.002-1 and ④ - 5.90.001-1

For safe dispensing and precise metering of flammable liquids - made of stainless steel 1.4751, when high media purity or resistance is required.

- › Closes tightly, even in extreme situations.
- › Captive lid on flexible shaft, including cap locking mechanism.
- › Flame arrester in container neck.
- › Level monitor via integrated sight glass with measuring scale.
- › Markings prepared according to GefStoffV and Workplace Directive A1.3 (ASR).
- › Optionally available with exchangeable medium labels incl. individual engraving of chemical codes, QR codes, etc.



Medium label, optionally with individual engraving



Self-closing precision metering tap

Ordering information/dimensions

Content	[l]	1	2
	[gal]	0.26	0.53
Height	[mm]	205	265
	[inch]	8.07	10.43
Ø	[mm]	105	120
	[inch]	4.13	4.72
Ref. no., with sight glass		5.90.001	5.90.002
Ref. no., without sight glass		5.90.001-1	5.90.002-1

Accessories

Medium label			
Ref. no., engraved		5.90.001-11	5.90.002-11
Ref. no., not engraved		5.90.001-12	5.90.002-12
Self-closing precision metering tap made of stainless steel - for both models			
Ref. no.		5.88.100	

8.1.2 VisiCon - Metering can made of stainless steel with metering tap



Metering can without sight glass ① - 5.90.021 and metering can with sight glass ② - 5.90.012

For safe dispensing of flammable liquids - made of stainless steel 1.4751, when high media purity or resistance is required.

- › Flame arrester in container neck.
- › Including metering tap.
- › Markings prepared according to GefStoffV and Workplace Directive A1.3 (ASR).

Ordering information/dimensions

Content	[l]	1	2
	[gal]	0.26	0.53
Height	[mm]	245	305
	[inch]	9.65	12.00
Ø	[mm]	105	120
	[inch]	4.13	4.72
Ref. no., with sight glass		5.90.011	5.90.012
Ref. no., without sight glass		5.90.021	5.90.022

Safety containers for liquid hazardous substances

8.1.3 Metering and dispensing canisters made of stainless steel



Container - 3.86.005 with metering tap - 3.88.200

For safe dispensing and precise metering of flammable liquids, optimum use of space when storage capacities are limited thanks to the space saving canister design. Polished, 1.4571 stainless steel. Seal - Teflon.

- » **Including self-closing metering tap 3.88.200.**
- » **Automatic pressure/vacuum compensation (from 0.3 bar/4.35 psi).**
- » Venting in metering tap.
- » Flame arrester in container neck.
- » High resistance and purity.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- » Tested safety product.
- » G 1 1/2" pipe thread.

Ordering information/dimensions

Content	[l]	5	10
	[gal]	1.3	2.64
Height	[mm]	310	380
	[inch]	12.2	14.96
Width	[mm]	130	130
	[inch]	5.12	5.12
Depth	[mm]	210	280
	[inch]	8.27	11.02
Ref. no.		3.86.005	3.86.010

Accessories

Metering tap

Ref. no. 3.88.200

8.1.4 Filling canisters made of stainless steel



Filling canister - 3.85.005 with dispensing tap - 3.85.200

For safe and convenient removal of flammable liquids. Optimum use when storage capacities are limited thanks to the space saving canister design. Polished, 1.4571 stainless steel. Seal - Teflon.

- » **Including self-closing dispensing tap 3.85.200.**
- » **Manual pressure/vacuum compensation.**
- » Suitable for horizontal use.
- » High resistance and purity.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- » Tested safety product.
- » G 1 1/2" pipe thread.
- » Flame arrester in container neck.

Ordering information/dimensions

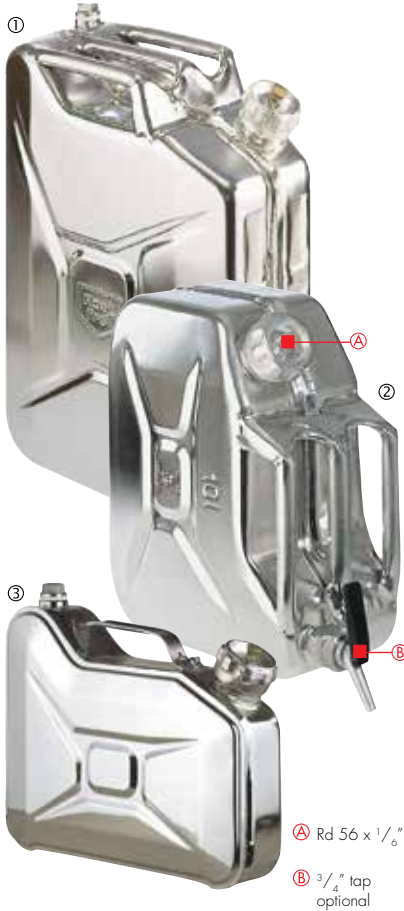
Content	[l]	5	10
	[gal]	1.3	2.64
Height	[mm]	210	370
	[inch]	8.27	14.57
Width	[mm]	130	130
	[inch]	5.12	5.128.27
Depth	[mm]	280	280
	[inch]	11.02	11.02
Ref. no.		3.85.005	3.85.010

Accessories

Dispensing tap

Ref. no. 3.85.200

8.1.5 Multi-purpose safety containers made of stainless steel



Safety container ① - 3.84.020, ② - 3.84.010 and ③ - 3.84.105

For safe in-house transportation and storage of flammable liquids. Exterior - electrolytically polished, 1.4301 stainless steel, interior pickled. Seal - Teflon.

- » ¾" connection for optional tap.
- » Flame arrester in screw cap.
- » **Manual pressure/vacuum compensation in the cover.**
- » Flexible use due to extensive accessories.
- » Space saving design.
- » High resistance and purity.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- » Tested safety product.



Tap - 1.80.000



Pourer, rigid - 3.84.002



Bracket for pourer - 3.84.003



Flame arrester - 3.84.020-1

Ordering information/dimensions

Content	[l]	5	10	20
	[gal]	1.3	2.64	5.28
Height	[mm]	300	300	490
	[inch]	11.81	11.81	19.3
Width	[mm]	105	175	175
	[inch]	4.13	6.89	6.89
Depth	[mm]	350	350	350
	[inch]	13.78	13.78	13.78
Ref. no.		3.84.105	3.84.010	3.84.020

Accessories

	Tap	Pourer, rigid	Bracket for pourer	Flame arrester for container neck
Ref. no.	1.80.000	3.84.002	3.84.003	3.84.020-1

8.1.6 Distribution containers made of stainless steel



Dispensing container ① - 3.88.010 incl. metering tap - 3.88.200 and dispensing container ② - 3.88.110 incl. tap - 1.80.000

For safe dispensing and exact metering of flammable liquids. Unpolished 1.4571 stainless steel. Plastic protection ring. Seal - Teflon.

- » **Including self-closing metering tap or normal tap.**
- » **Manual pressure/vacuum compensation.**
- » Flame arrester in container neck.
- » High stability.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- » High resistance and purity.
- » Tested safety product.
- » G 1 ½" pipe thread.
- » Exterior level indicator made of highly resistant PFA (items 3.88.110, 3.88.210 only).

Ordering information/dimensions

Content	[l]	10	10	10
	[gal]	2.64	2.64	2.64
Height	[mm]	340	330	340
	[inch]	13.39	13	13.39
Dia	[mm]	260	260	260
	[inch]	10.24	10.24	10.24
Level indicator		—	•	•
Incl. tap 1.80.000		—	•	—
Incl. metering tap 3.88.200		•	—	•
Ref. no.		3.88.010	3.88.110	3.88.210

Accessories

	Tap	Metering tap
Ref. no.	1.80.000	3.88.200

Safety containers for liquid hazardous substances

8.1.7 Distribution containers made of stainless steel



Dispensing container ① - 3.88.025 and ② - 3.88.125 and level indicator

For safe, convenient metering of flammable liquids when larger quantities are required. Unpolished, 1.4301 stainless steel. Plastic protection ring. Seal - Teflon.

- » Including self-closing tap 1.80.000.
- » Manual pressure/vacuum compensation in the screw cap.
- » Exterior level indicator made of highly resistant PFA (item 3.88.125 only).
- » Flame arrester in container neck.
- » Stackable.
- » High stability.
- » High resistance and purity.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- » Tested safety product.

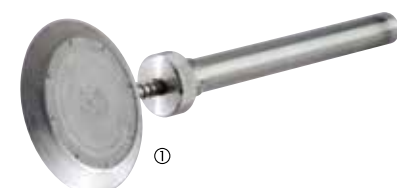


Suitable safety funnels, see programme section 8.2.

Ordering information/dimensions

Content	[l]	25	25
	[gal]	6.6	6.6
Ø	[mm]	300	300
	[inch]	11.81	11.81
Height	[mm]	530	530
	[inch]	20.87	20.87
Level indicator		—	•
Ref. no.		3.88.025	3.88.125

8.1.8 Transport canisters made of stainless steel



Transport cans - 3.89.002 and soaking plate ① - 4.10.020-1

For safe transport of hazardous substances by road, rail and sea. Unpolished 1.4571 stainless steel. Plastic protection ring. Seal - Teflon.

- » Type approval tested can according to ADR, RID and IMDG code.
- » Closes tightly, even in extreme situations.
- » Captive lid on flexible shaft.
- » Flame arrester in container neck.
- » High resistance and purity.
- » Can be used in-house with precision metering tap.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- » Additional labelling according to ADR/RID.
- » Tested safety product.
- » G 1 1/4 inch pipe thread.



Precision metering tap - 3.88.100



Soaking plate - 4.10.010-1

Stainless steel soaking plate 1.4301 with flame arrester and pumping station.

- » Compatible with 1 or 2 l can.
- » Easy replacement: Remove the flame arrester and screw the soaking plate onto the can.

Ordering information/dimensions

Content	[l]	1	2	5
	[gal]	0.26	0.53	1.3
Ø	[mm]	110	130	165
	[inch]	4.33	5.12	6.5
Height	[mm]	238	295	400
	[inch]	9.37	11.61	15.75
Ref. no.		3.89.001	3.89.002	3.89.005

Accessories

Soaking plate				
Length x Ø	[mm]	265 x 120	320 x 120	—
	[inch]	10.43 x 4.72	10.43 x 12.6	—
Ref. no.		4.10.010-1	4.10.020-1	—
Precision metering tap suitable for all models				
Ref. no.		3.88.100		

8.1.9 Transport canister made of stainless steel



Transport container - 3.90.005

For safe transport of hazardous substances by road, rail and sea. Polished 1.4571 stainless steel. Seal - Teflon.

- » **Type approval tested can according to ADR, RID and IMDG code.**
- » Closes tightly, even in extreme situations.
- » Captive lid on flexible shaft.
- » Flame arrester in container neck.
- » Space saving design.
- » Can be used in-house with metering tap.
- » High resistance and purity.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- » Additional labelling according to ADR/RID.
- » Tested safety product.
- » G 1 ½" pipe thread.

Ordering information/dimensions

Content	[l]	5	10
	[gal]	1.3	2.64
Height	[mm]	290	370
	[inch]	11.41	14.57
Width	[mm]	130	130
	[inch]	5.12	5.12
Depth	[mm]	210	280
	[inch]	8.27	11.02
Ref. no.		3.90.005	3.90.010

Accessories

	Metering tap
Ref. no.	3.88.200

8.1

8.1.10 Multi-purpose transport containers made of stainless steel



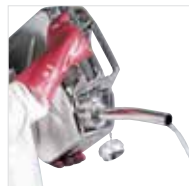
① Rd 56 x 1/8"

② 3/4"

Transport container - 3.89.105

For safe transport of hazardous substances by road, rail, sea and air. 1.4301 stainless steel. Exterior - electrolytically polished, interior pickled. Seal - Teflon.

- » **Type approval tested vessel according to ADR, RID, IMDG code and ICAO-TI.**
- » Closes tightly, even in extreme situations.
- » 3/4" connection (for tap 1.80.000 optional for in-house use).
- » Adjustable feet for stable positioning.
- » Rear handle.
- » Captive lid on flexible shaft.
- » Flame arrester in container neck.
- » Space saving design.
- » High resistance and purity.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- » Additional labelling according to ADR/RID.
- » Tested safety product.



Pourer - 3.84.002



Bracket - 3.84.003

Ordering information/dimensions

Content	[l]	5	10	20
	[gal]	1.3	2.64	5.12
Height	[mm]	276	275	470
	[inch]	10.87	10.83	18.50
Width	[mm]	102	169	169
	[inch]	4.02	6.65	6.65
Depth	[mm]	348	345	345
	[inch]	13.70	13.58	13.58
Ref. no.		3.89.105	3.89.010	3.89.020

Accessories

	Tap	Pourer, rigid	Bracket for pourer
Ref. no.	1.80.000	3.84.002	3.84.003

Safety containers for liquid hazardous substances

8.1.11 Transport containers made of stainless steel



Transport container - 3.89.025 with metering tap
Ø- 3.88.200

For safe transport of hazardous substances by road, rail, sea and air. Unpolished 1.4301 stainless steel, plastic protection ring. Seal - Teflon.

- » **Type approval tested can according to ADR, RID, IMDG code and ICAO-TI.**
- » Closes tightly, even in extreme situations.
- » Manual ventilation.
- » Flame arrester in container neck.
- » Captive lid on flexible shaft.
- » Can be used in-house with metering tap.
- » Stackable.

- » High stability.
- » High resistance and purity.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- » Additional labelling according to ADR/RID.
- » Tested safety product.
- » G 1 1/2" pipe thread.

Ordering information/dimensions

Content	[l]	25
	[gal]	6.6
Ø	[mm]	300
	[inch]	11.81
Height	[mm]	530
	[inch]	20.87
Ref. no.	3.89.025	

Accessories

	Metering tap
Ref. no.	3.88.200

8.1.12 Collection containers made of stainless steel



For collecting **flammable liquids**. The combination of a container and a safety funnel with flame arrester fulfils the requirement of a collection container according to TRGS.

Unpolished 1.4571 stainless steel. G 2" sleeve with 2" Tri-Sure stoppers incl. Viton®seal, safety ring made of plastic.

- » Easy handling.
- » High media resistance and purity.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).

- » High stability.
- » G 2" pipe thread, suitable for conventional 50 l (13.21 gal)/60 l (15.85 gal) and 200 l (52.83) drums.



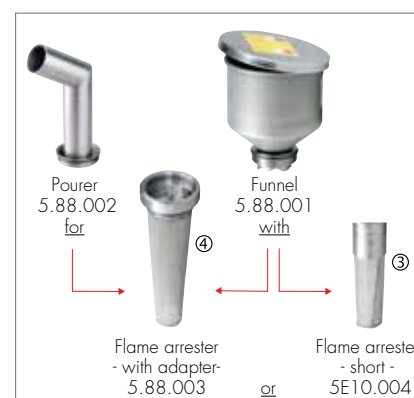
Flame arrester adapter - 5.88.003



Pourer, rigid - 5.88.002

Information

- ③ Short flame arrester for filling (funnel).
- ④ Flame arrester with adapter for filling (funnel) and discharge (pourer).



Ordering information/dimensions

Content	[l]	10	10
	[gal]	2.64	2.64
Ø	[mm]	280	280
	[inch]	11.02	11.02
Height	[mm]	290	290
	[inch]	11.42	11.42
Level indicator (highly resistant PFA)		—	•
Ref. no.	5.88.010		5.88.110

Accessories

	Safety funnel*	Flame arrester, short	Flame arrester with adapter	Pourer, rigid
Ref. no.	5.88.001	5E10.004	5.88.003	5.88.002

* (for use only with a flame arrester)

Collection container ①- 5.88.010 and collection container ② - 5.88.110 with funnel ③ - 5.88.001 and flame arrester short 5E10.004

8.1.13 Dispensing containers Type I made of sheet steel



Dispensing container ① - 3.101.01
and ② - 3.104.01

For safe provision and transfer of flammable liquids. Made of sheet steel, interior tin plated, exterior powder-coated – red. Seal - Accopac.

- › Self-closing opening.
- › Automatic pressure compensation.
- › Flame arrester in container neck made of stainless steel.
- › Safe carrying and use.
- › Easy operation thanks to combination handle.
- › High stability.
- › Good media resistance.
- › Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- › Tested safety product.

Ordering information/dimensions

Content	[l]	0.5	1	4	4	7.5	9.5	19
	[gal]	0.13	0.26	1.06	1.06	1.98	2.51	5.02
Height	[mm]	180	220	305	279	349	292	429
	[inch]	7.09	8.66	12	11	13.74	11.5	16.89
Ø	[mm]	120	120	185	241	241	298	298
	[inch]	4.72	4.72	7.28	9.49	9.49	11.73	11.73
Ref. no.		3.100.01	3.101.01	3.103.01	3.104.01	3.107.50	3.109.50	3.119.00

8.1

8.1.14 Dispensing containers Type II made of sheet steel

AccuFlow



Dispensing container ① - 3.109.58
and ② - 3.119.67

For easy dispensing of flammable liquids into containers with small openings. Made of sheet steel, interior tin plated, exterior powder-coated – red. Seal - Accopac.

- › Integrated filling and discharge pipe.
- › Self-closing openings.
- › Automatic pressure/vacuum compensation between 0.2 (2.9 psi) and 0.35 bar (5.07 psi).
- › Flame arrester in container opening made of stainless steel.
- › High stability.
- › The ergonomic handle and extractor enable precise control of the liquid discharge.
- › Easy operation thanks to combination handle as it enables the weight to be transferred to your palm and makes it easier to lift the container.
- › The opening closes immediately when the handle is released.
- › Good media resistance.
- › Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- › Tested safety product.

Ordering information/dimensions

Content	[l]	4	7.5	9.5	9.5	19	19
	[gal]	1.06	1.98	2.51	2.51	5.02	5.02
Height	[mm]	305	349	305	305	445	445
	[inch]	12	13.74	12	12	17.52	17.52
Ø	[mm]	241	241	298	298	298	298
	[inch]	9.49	9.49	11.73	11.73	11.73	11.73
Hose L x Ø	[mm]	229 x 16	229 x 16	229 x 16	229 x 25	229 x 16	229 x 25
	[inch]	9 x 0.63	9 x 0.63	9 x 0.63	9 x 0.98	9 x 0.63	9 x 0.98
Ref. no.		3.104.67	3.107.57	3.109.57	3.109.58	3.119.67	3.119.68

8.1.15 Tilting station made of sheet steel



For convenient removal of flammable liquids. Container made of sheet steel, interior tin plated, exterior powder-coated – red. Filling opening seal - Accopac, tap seal - Teflon. Frame made of sheet steel, powder-coated – red.

- › Single hand operation thanks to balanced pivot.
- › Self-closing openings.
- › Automatic pressure/vacuum compensation.
- › Flame arrester in filling opening and tap.
- › High stability.
- › Good media resistance.
- › Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- › Tested safety product.

Information

The flexible metal hose enables safe transfer.

Ordering information/dimensions

Tilt container	[l]	19
	[gal]	5.02
Tilting frame	[mm]	365 x 370
	[inch]	14.37 x 14.57
Total height	[mm]	600
	[inch]	23.62
Ref. no.		3.108.88

Accessories

Flexible metal hose

L x Ø	[mm]	210 x 15
	[inch]	8.27 x 0.6

Ref. no.	1.809.30
----------	----------

Safety containers for liquid hazardous substances

8.1.16 Containers with tap outlet at bottom made of sheet steel



Container with tap - 3.107.09

For convenient removal of flammable liquids. Made of sheet steel, interior tin plated, exterior powder-coated – red. Filling opening seal - Accopac, tap seal - Teflon.

- » Self-closing openings.
- » Automatic pressure/vacuum compensation.
- » Flame arrester in filling opening and tap.
- » Including tap 1.809.02
- » High stability.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- » Good media resistance.

- » Tested safety product.

Information

Flexible metal hoses enable safe transfer.



Flexible metal hose - 1.809.30

Ordering information/dimensions

Content	[l]	9.5	19
	[gal]	2.51	5.02
Height	[mm]	292	429
	[inch]	11.5	16.89
Ø	[mm]	298	298
	[inch]	11.73	11.73
Ref. no.		3.107.09	3.108.09

Accessories

Flexible metal hose

Length x Ø	[mm]	210 x 1.5
	[inch]	8.27 x 0.6
Ref. no.		1.809.30

8.1.17 Oval dispensing container made of HDPE



Dispensing container ① - 3.141.60
and ② - 3.140.65

For dispensing and metering corrosive, flammable liquids. 4 mm (0.16 inch) HDPE, red. Stainless steel operating lever and stopper. Teflon disc seal.

- » Self-closing opening.
- » Automatic pressure compensation.
- » Earthing connection on stopper with flame arrester.
- » Separate carrying handle and operating lever.
- » Easy handling.
- » Space saving design.
- » Robust construction.
- » High media resistance.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- » Tested safety product.

Ordering information/dimensions

Content	[l]	2	4
	[gal]	0.53	1.06
Height	[mm]	240	330
	[inch]	9.45	13
Width	[mm]	140	140
	[inch]	5.51	5.51
Depth	[mm]	200	200
	[inch]	7.87	7.87
Ref. no.		3.140.65	3.141.60

8.1.8 Collection container made of HDPE



Collection container - 5.147.62

For collecting hazardous liquids that have a flash point above 55°C and which attack metal containers due to their chemical composition. Red coloured HDPE, stainless steel control panels, i.e. good media resistance.

- » Self-closing lid, can be kept open during filling.
- » Earthing connection in handle connected to flame arrester (in neck).
- » High impact and scratch resistance.
- » High stability, robust construction.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- » Large filling opening Ø 90 mm (3.54 inch).

Ordering information/dimensions

Content	[l]	7.5	20
	[gal]	1.98	5.12
Fittings		Stainless steel	Stainless steel
Ø	[mm]	310	310
	[inch]	12.2	12.2
Height	[mm]	350	450
	[inch]	13.78	17.72
Ref. no.		5.147.62	5.147.65

8.1.19 Dispensing and collection containers made of HDPE



Collection container - 3.127.65

For dispensing and metering corrosive, non-flammable liquids. 4 mm HDPE, colour - white.

- » Safe carrying and use of e.g. acids and lye.
- » Automatic pressure compensation.
- » Easy operation thanks to combination handle.
- » Robust construction.
- » Control panels made of stainless steel.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).

Ordering information/dimensions

Content	[l]	10	7.5	20
	[gal]	2.64	1.98	5.13
Ø	[mm]	260	310	310
	[inch]	10.24	12.2	12.2
Height	[mm]	370	350	450
	[inch]	14.57	13.78	17.71
Pourer Ø	[mm]	35	90	90
	[inch]	1.38	3.54	3.54
Ref. no.		3.122.60	3.127.62	3.127.65

8.1

8.1.20 Polyethylene canister



For collecting and transporting **flammable liquids**. Black, **made of electrostatically conductive polyethylene**. Container 5.09.105, PE natural, according to TRGS 727 non-conductive.

- » **Type approval tested container according to ADR, RID, IMDG code and ICAO-TI.**
- » Recyclable.
- » Space saving design.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- » High media resistance.
- » Tested safety product.
- » Tight closure, even in extreme situations by means of special pliers 5.09.003 or 5.09.006, see note.



Special pliers - 5.09.003

Information

To ensure tight closure of the screw fitting, special pliers must be used to close the fitting with a torque of 20 Nm.

Transport approval for packaging groups II & III. Density of contents:
Acetic acid (98 – 100 %) – 1.2 kg/l (2.65 lbs/gal), n-butyl acetate with n-butyl acetate saturated wetting agent solution 1.2 kg/l (2.65 lbs/gal), hydrocarbon mixture 1.2 kg/l (2.65 lbs/gal) each at a total pressure of max 200 kPa / 55 °C (3.19 psi/131 °F).

Ordering information/dimensions

Length	[mm]	191	298	300	364	395
	[inch]	7.52	11.73	11.81	14.33	15.55
Width	[mm]	149	198	204	240	330
	[inch]	5.87	7.8	8.03	9.45	13
Height	[mm]	256	264	495	455	635
	[inch]	10.08	10.39	19.49	17.91	25
Content	[l]	5	10	20	30	60
	[gal]	1.32	2.64	5.3	7.93	15.85
Filling opening Ø	[mm]	56	56	56	56	58
	[inch]	2.2	2.2	2.2	2.2	2.3
Thread		S61	S61	S61	S61	S71
Ref. no.		5.09.105	5.09.010	5.09.020	5.09.030	5.09.060

Accessories

Special pliers

Ref. no.	5.09.003	5.09.003	5.09.003	5.09.003	5.09.006
----------	----------	----------	----------	----------	----------

Funnel with cover fitting suitable for all models

Ref. no.	5.08.004-1	5.08.004-1	5.08.004-1	5.08.004-1	—
----------	------------	------------	------------	------------	---



Polyethylene container ① - 5.09.020, ② - 5.09.010 and ③ - 5.09.105

Safety containers for liquid hazardous substances

8.1.21 Polyethylene canister with level monitor



Polyethylene container ① - 5.11.020 a.
② - 5.11.010 with level monitor

For collecting and in-house transporting of flammable liquids. Black container, **made of electrostatically conductive polyethylene.**

- » Level indicator warns of overfilling.
- » Closes tightly, even in extreme situations.
- » Recyclable.
- » High media resistance.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).

Ordering information/dimensions

Content	[l]	10	20
	[gal]	2.64	5.13
Length	[mm]	298	298
	[inch]	11.73	11.73
Width	[mm]	198	198
	[inch]	7.8	7.8
Height	[mm]	264	510
	[inch]	10.39	20.08
Filling opening Ø	[mm]	56	56
	[inch]	2.2	2.2
Ref. no.		5.11.010	5.11.020

Accessories Special pliers Funnel with cover fitting

Ref. no. 5.09.003 5.08.004-1

8.1.22 Combination containers



Combination container - model 5.10.010

For collecting and transporting **flammable liquids**. The combination of a container and a safety funnel fulfils the requirement according to TRGS. Sheet steel outer carcass, blue stove enamelled. **Polyethylene liner.**

- » Closes tightly, even in extreme situations.
- » **Type approval tested packaging material according to ADR, RID and IMDG code.**
- » Stackable 3-high.
- » Transport acc. to TRGS 510 (without funnel).
- » Easy handling.
- » High media resistance.
- » A variety of accessories available.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).



Suitable safety funnel - see programme section 8.2



Wrench - 5.10.003

Information

Transport approval for all packaging groups. Density of contents:

Packaging group I – 1.20 kg/l (2.65 lbs/gal),

Packaging group II – 1.80 kg/l (3.97 lbs/gal),

Packaging group III – 2.70 kg/l (5.95 lbs/gal),

each at a total pressure of max. 200 kPa at 55 °C (3.19 psi/131 °F). For liquids with a conductivity of > 10⁻⁸ s/m, please observe TRGS 727.

Ordering information/dimensions

Content	[l]	6	12
	[gal]	1.59	3.17
Ø	[mm]	250	250
	[inch]	9.84	9.84
Height	[mm]	200	350
	[inch]	7.87	13.78
Ref. no.		5.10.006	5.10.010

Accessories Pouring connector Wrench

Ref. no. 5.10.002 5.10.003

8.1.23 Metering cans made of polyethylene and brass



Metering can ① - 4.140.04, ② - 4.140.10 and ③ - 4.14.050

For precise metering of small quantities of liquid. Made of impact and scratch resistant polyethylene - coloured red. Brass screw cap or completely made of brass (ref. no. 4.14.050).

- › Sprung, self-closing action.
- › Leakproof.
- › Good resistance even with contaminated substances.
- › Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- › Tested safety product.

Ordering information/dimensions

Content	[l]	0.3	1.0	0.5
	[gal]	0.08	0.26	0.13
Ø	[mm]	80	105	90
	[inch]	3.15	4.13	3.54
Height	[mm]	145	260	160
	[inch]	5.71	10.24	6.3
Tests		FM	FM	FTU
Ref. no.		4.140.04	4.140.10	4.14.050

8.1

8.1.24 Spray bottles made of polyethylene (LDPE)



For fine metering even in inaccessible places. Container and outlet made of polyethylene.

- › **Pressure compensation.**
- › Hose end can be fixed using metal core.
- › Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).

Ordering information/dimensions

Content	[l]	0.5
	[gal]	0.13
Ø	[mm]	75
	[inch]	2.95
Height	[mm]	200
	[inch]	7.87
Ref. no.		4.140.09

Information

Not suitable for hydrocarbon mixtures (e.g. Böttcherin)
When using acetone please also order seal ref. no. 4.40.009.

Accessories Acetone resistant seal¹⁾

Ref. no. 4.40.009

¹⁾ (necessary for use of acetone)

8.1.25 Safety bottles



For safe pouring, metering and use of flammable and aggressive liquids. Pure aluminium bottle with automatic pouring and venting valve. Interior seal of Viton® (e.g. for benzene, petroleum, turpentine oil and acid free oils) or EPDM (e.g. thinners, alcohol, acetone).

- › Self-closing pouring valve.
- › Valve opens only by finger pressure.
No leaking if the bottle falls over.
- › Bottle of break-proof material.
- › Automatic closing when not in use - even without screw cap.
- › Screw cap colour coded for different applications.

Ordering information/dimensions

Content	[l]	0.4	0.4	1	1
	[gal]	0.11	0.11	0.26	0.26
Container Ø	[mm]	60	60	78	78
	[inch]	2.36	2.36	3.07	3.07
Total height	[mm]	220	220	280	280
	[inch]	8.66	8.66	11.02	11.02
Colour screw cap		Red	Yellow	Red	Yellow
Sealing material		Viton®	EPDM	Viton®	EPDM
Ref. no.		4.13.040	4.13.041	4.13.100	4.13.101

Safety funnels

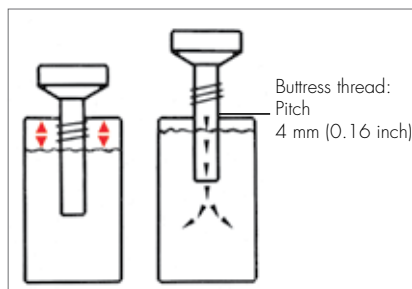
8.2.1 VisiCon - Safety funnel for flammable liquids



Safety funnel - 5.08.004-1

Allows easy filling of safety containers and prevents overfilling, including flame arrester. Stainless steel complete.

- » Impossible to overfill.
- » Hinged lid reduces escaping vapours to a minimum.
- » Flame arrester (simple to interchange) prevents entry of free sparks.



Principle of prevention against overfilling



Safety funnel - 5.10.007

Ordering information/dimensions

Filling opening Ø	[mm]	130	120	180
	[inch]	5.12	4.72	7.09
for container		5.09.010	5.10.006 5.10.010	5.10.006 5.10.010
Construction		with coupling nut	with saw thread (S 56 x 4)	with saw thread (S 56 x 4)
Ref. no.		5.08.004-1	5.10.001	5.10.007

Accessories

Replacement flame arrester for funnel (stainless steel with seal)

Ref. no.	on request	5E10.004	5E10.004
----------	------------	----------	----------

8.2.2 Drum funnel made of sheet steel



For safe filling of drums with flammable liquids. Made of sheet steel, exterior powder-coated red, interior tin plated. Brass immersion tube.

- » Self-closing lid in case of fire.
- » Large filling opening.
- » Immersion tube acts as flame arrester.
- » Tested safety product.

Ordering information/dimensions

Filling opening Ø	[mm]	280
	[inch]	11.02
Thread		2"
Length of flame arrester	[mm]	150
	[inch]	5.9
Ref. no.		5.082.07

8.2.3 Funnel made of stainless steel



Funnel ① - 3.80.001, ② - 3.80.002, ③ - 3.80.003 and VisiCon funnel ④ - 5.08.012-1

For easy and safe filling of containers, canisters and standing cans. Funnel-heads made of stainless steel 1.4404, filling pipes made of stainless steel 1.4301. VisiCon Funnel 5.08.012-1 completely made of stainless steel 1.4571.



Funnel - 3.80.001 for stainless steel standing cans 10 (2.64) and 25 (6.6) litre (gal).



Funnel - 3.80.002 for stainless steel canisters 5 (1.32) and 10 (2.64) litre (gal).



Funnel - 3.80.003 for stainless steel cans 1 (0.26), 2 (0.53) and 5 (1.32) litre (gal).



VisiCon funnel - 5.08.012-1 for VisiCon cans 1 (0.26) and 2 (0.53) litre (gal).

Ordering information/dimensions

		①	②	③	④
Filling Ø	[mm]	120	120	120	120
	[inch]	4.72	4.72	4.72	4.72
Filling pipe Ø	[mm]	34	34	23	34
	[inch]	1.34	1.34	0.91	1.34
Filling pipe length	[mm]	100	100	100	20
	[inch]	3.94	3.94	3.94	0.79
Ref. no.		3.80.001	3.80.002	3.80.003	5.08.012-1

8.2.4 Drum funnel made of polyethylene



Drum stand - 1.282.11

For easy and safe filling of drums. Suitable for use as surface for letting filters and cans drip off.

- » Lightweight construction, PE material.
- » Model 1.282.11 with flame arrester and vacuum/pressure compensation valve for flammable liquids.
- » Model 1.282.10 with (add-on) lid for protection against contamination.

Ordering information/dimensions

Content	[l]	9.5	9.5
	[gal]	2.51	2.51
Ø	[mm]	530	530
	[inch]	20.87	20.87
Height	[mm]	83	83
	[inch]	3.27	3.27
Filling opening Ø	[mm]	42	52
	[inch]	1.65	2.05
Weight	[kg]	2.3	3.2
	[lbs]	5.07	7.05
Flame arrester		—	•
Valve		—	•
Ref. no.		1.282.10	1.282.11

Accessories

Lid		
Ref. no.	1.282.15	—

Safety containers for solid hazardous substances

8.3.1 Workbench collection containers powder-coated



For safe collection of used cleaning material. Made of sheet steel, interior tin plated, exterior powder-coated – red.

- » Convenient opening using foot pedal or optionally by hand.
- » Table-top version with side handles, without perforated bottom edge.
- » Self-closing lid.
- » Perforated floor edge prevents heating up/self ignition.
- » High stability.
- » No leakage of collected liquids.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- » Tested safety product.



Table version of the collection container - 5.902.00

Collection container with foot pedal ① - 5.901.00 and ② - 5.901.10

Ordering information/dimensions								Table-top version	
Opening		Foot pedal	Foot pedal	Foot pedal	Foot pedal	Manual	Manual	Manual	Manual
Content	[l] [gal]	20 5.28	40 10.57	50 13.21	80 21.13	20 5.28	40 10.57	80 21.13	8 2.11
Ø	[mm] [inch]	290 11.42	348 13.7	393 15.47	458 18.03	290 11.41	348 13.7	458 18.03	245 9.65
Height	[mm] [inch]	397 15.63	458 18.03	505 19.89	597 23.5	397 15.63	458 18.03	597 23.5	230 9.06
Ref. no.		5.901.00	5.903.00	5.905.00	5.907.00	5.901.10	5.903.10	5.907.10	5.902.00
Accessories		Poly flat bag (except for Ref. no. 5.902.00)							
Ref. no.		5.98.099							

8.3.2 Self-closing drum lids



For an easy conversion of standard drums into safe collection drums for flammable solids. Made of sheet steel, powder-coated - red.

- » Self-closing lid in case of fire thanks to fusible link.
- » Clamping ring equalizes different drum diameters.
- » Easy installation.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- » Tested safety product.

Ordering information/dimensions

to fit 200 l (52.83) drum

Ref. no. 5.267.50

Accessories

Spare fusible link

Ref. no. 4.275.20

8.4.1 Washing and dipping tanks made of sheet steel



For safe cleaning and degreasing of components and equipment using flammable solvents. Made of sheet steel, interior tin plated, exterior powder-coated – red. Container 4.276.15 with additional polyethylene insert in the tank and the lid.

- › Suitable for use with small components basket.
- › Self-closing lid in case of fire, container 4.094.00 self-closing (spring-actuated).
- › Good resistance even with contaminated substances.
- › High stability.
- › Robust construction.
- › Tested safety product.
- › Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).



Small components basket - 4.279.03



Stand washing station - 4.01.411



Washing and dipping tank ① - 4.276.02 with small components basket - 4.279.01, dipping tank ② - 4.094.00

Ordering information/dimensions

Ø	[mm]	267	240	240	300	360	410	360
	[inch]	10.51	9.45	9.45	11.81	14.17	16.14	14.17
Height	[mm]	178	160	260	310	360	390	360
	[inch]	7.01	6.3	10.24	12.2	14.17	15.35	14.17
Contents [l]	1.7	4	8	13	19	30	19	
	[gal]	0.45	1.06	2.11	3.43	5.02	7.93	5.02
Fill capacity ¹⁾	–	–	4	8	13	22	13	
Ref. no.	4.094.00	4.276.01	4.276.02	4.276.03	4.276.05	4.276.08	4.276.15 ²⁾	

Accessories

Small components basket

Ref. no.	–	–	4.279.01	4.279.02	4.279.03	4.279.06	4.279.23
----------	---	---	----------	----------	----------	----------	----------

Spare fusible link for all models

Ref. no.	4.275.20
----------	----------

Stand for washing station 450 x 450 x 550 mm/17.72 x 17.72 x 21.65 inch (W x D x H) - for all models

Ref. no.	4.01.411
----------	----------

¹⁾ in litres when using small components basket ²⁾ with polyethylene insert

8.4.2 Filling container for mixing liquids

For safe mixing of liquids such as paints, varnishes and staining products. Also suitable for flammable liquids. Made of sheet steel, interior tin plated, exterior powder-coated – red.

- › Lockable lid.
- › Self-closing filling opening.
- › Automatic pressure compensation.
- › Flame arrester in filling opening.
- › With earthing jumper.
- › Carrying handle for in-house transport.
- › Simple application.
- › High stability.



Information

The correct earthing cables can be found in programme section 9.



Ordering information/dimensions

Content	[l]	19
	[gal]	5.02
Ø	[mm]	380
	[inch]	14.96
Height	[mm]	405
	[inch]	15.94
Ref. no.	4.277.05	

Cleaning vessels

8.4.3 Moisteners made of sheet steel and polyethylene



Moisteners - ① - 4.140.18 and ② - 4.103.08

For economic moistening of a cleaning cloth when only small quantities of solvent are required. Made of sheet steel, interior tin plated, exterior powder-coated - red, or alternatively: container 4.140.18 made of polyethylene.

- » Pump tube made of brass and PPS.
- » Spring mounted soaking plate with flame arrester.
- » Economical removal of cleaning liquids. Liquid that is not needed goes back into the container.
- » Emitted vapours are reduced to a minimum.
- » Good resistance even with contaminated substances.
- » High stability.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).

Ordering information/dimensions

Content	[l]	0.5	1	2	4	1
	[gal]	0.13	0.26	0.53	1.06	0.26
Ø	[mm]	120	180	180	180	135/135
	[inch]	4.72	7.09	7.09	7.09	5.31/5.31
Height	[mm]	135	145	190	270	210
	[inch]	5.31	5.71	7.48	10.63	8.27
Soaking plate		75	135	135	135	135
Material		Sheet steel	Sheet steel	Sheet steel	Sheet steel	Polyethylene
Ref. no.		4.100.08	4.101.08	4.102.08	4.103.08	4.140.18

8.4.4 VisiCon moisteners made of stainless steel



Moistener ① - 4.10.011 and ② - 4.10.022

For economic moistening of a cleaning cloth when only small quantities of solvent are required. Stainless steel container 1.4571 - unpolished; stainless steel soaking plate set 1.4301.

- » **Spring mounted soaking plate with flame arrester and pump tube.**
- » High resistance and purity.
- » Emitted vapours are reduced to a minimum.
- » Economical removal of cleaning liquids. Liquid that is not needed goes back into the container.
- » High stability.
- » **Can handle ensures safe handling.**
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).
- » G 1 ¼" pipe thread.

Ordering information/dimensions

Content	[l]	1	2
	[gal]	0.26	0.53
Ø	[mm]	105	120
	[inch]	4.13	4.72
Height	[mm]	273	333
	[inch]	10.74	13.11
Ref. no., with sight glass		4.10.012	4.10.022
Ref. no., without sight glass		4.10.011	4.10.021

8.4.5 Soaking containers made of sheet steel



Soaking container ① - 4.102.95 and ② - 4.105.75

For metered soaking of cloths for cleaning, e.g. printing press rollers, with solvents. Made of sheet steel, interior tin plated, exterior powder-coated – red.

- › Spring mounted flame arrester as soaking plate.
- › Metered removal of cleaning liquid.
- › Rounded edges prevent injuries.
- › Soaking container 4.104.71 including carrying handle.
- › High stability.
- › Good resistance even with contaminated substances.
- › Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).

Ordering information/dimensions

Content	[l]	1	2	4	8	12	6
	[gal]	0.26	0.53	1.06	2.11	3.17	1.59
Ø	[mm]	120	240	240	290	350	240
	[inch]	4.72	9.45	9.45	11.41	13.78	9.45
Height	[mm]	130	100	120	270	180	190
	[inch]	5.12	3.94	4.72	2.76	7.09	7.48
Ref. no.		4.101.75	4.102.95	4.103.75	4.105.75	4.107.75	4.104.71

Accessories

Components basket, Ø 170 mm (6.7 inch), height 15 mm (0.6 inch) to match

Ref. no.	—	4.101.11	4.101.11	4.101.11	—	4.101.11
----------	---	----------	----------	----------	---	----------

8.4

8.4.6 Soaking containers made of stainless steel



For metered soaking of cloths for cleaning, e.g. printing press rollers, with solvents. Made completely of stainless steel.

- › Spring mounted flame arrester as soaking plate.
- › Metered removal of cleaning liquid.
- › High stability.
- › High resistance.
- › Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).

Ordering information/dimensions

Content	[l]	4
	[gal]	1.06
Ø	[mm]	260
	[inch]	10.24
Height	[mm]	135
	[inch]	5.31
Material	Stainless steel 1.4571	
Ref. no.	4.10.404	

8.4.7 Cleaning cans galvanised and made of stainless steel



Cleaning can incl. components basket ① - 4.30.001-1 and ② - 4.30.004 with components basket ③ - 4.30.004-T

For safe cleaning and degreasing of components and equipment using flammable solvents. Completely galvanised or completely made of stainless steel.

- › Self-closing lid in case of fire.
- › Good resistance even with contaminated substances.
- › Cleaning cans 4.30.001-1 and 4.30.002 including components basket.
- › Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).

Ordering information/dimensions

Content	[l]	0.75	2	4
	[gal]	0.19	0.53	1.06
Ø	[mm]	150	230	260
	[inch]	5.9	9.06	10.24
Height	[mm]	80	100	135
	[inch]	3.15	3.94	5.31
Material	Galvanised sheet steel		Galvanised sheet steel	Stainless steel 1.4571
Ref. no.	4.30.001-1		4.30.002	4.30.004

Accessories

Components basket, stainless steel 1.4571, to fit

Ref. no.	—	—	4.30.004-T
----------	---	---	------------

Cleaning vessels

8.4.8 Container for use with cold cleaners



For safe cleaning with water pollutant, **non-flammable** solvents (e.g. cold cleaners). Fully hot-dip galvanised.

- » Captive lid with carrying handle connected to the container.
- » Easy operation.
- » Good media resistance.
- » Robust construction.
- » High stability.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).

Ordering information/dimensions

Content	[l]	15
	[gal]	3.96
Ø	[mm]	310
	[inch]	12.2
Height	[mm]	260
	[inch]	10.24
Ref. no.	4.99.015	

8.4.9 Brush holders made of polyethylene



Brush holder ① - 4.14.045 and ② - 4.14.090

For working with adhesives, paints and solvents. Made of impact resistant polyethylene.

- » No drying out of the brush - brush remains in the liquid.
- » Precise metering with wiping bar.
- » Secure holding of brush.
- » High chemical resistance.
- » Container markings according to GefStoffV and Workplace Directive A1.3 (ASR).

Ordering information/dimensions

Content	[l]	0.45	0.9	1.5
	[gal]	0.12	0.24	0.4
Height	[mm]	150	180	190
	[inch]	5.9	7.09	7.5
Width	[mm]	125	180	210
	[inch]	4.92	7.09	8.27
Depth	[mm]	85	100	110
	[inch]	3.35	3.94	4.33
Ref. no.	4.14.045		4.14.090	4.14.150

8.5.1 Dipping tanks made of sheet steel



For safe and convenient cleaning of larger components at working height. Made of galvanised sheet steel - painted red.

- » ¾" drain plug in the bottom of the basin for discharge.
- » Independent, slow-closing of the lid via pneumatic spring of pedal-operated dip tanks.
- » Models 4.271.40 and 4.272.60 with 2 chambers, ideal for 2-stage cleaning.
- » Models 4.273.11 and 4.273.22 for installation on the workbench. Self-closing lid in case of fire.
- » Tested safety product.
- » Optionally available:
 - Floor strainer allows coarse dirt to pass through.
 - Components basket for cleaning smaller parts.



Floor strainer - 4.270.04



Components basket - 4.270.05



Pedal-operated dip tank ① - 4.272.60 with 2 chambers 4.272.20 and with components basket ② - 4.270.05

Ordering information/dimensions

Opening		Foot pedal	Foot pedal	Foot pedal	Foot pedal	Manual	Manual
Fill capacity [l]		48	97	2x 15	2x 34	48	97
	[gal]	12.68	25.62	2x 3.96	2x 8.98	12.68	25.62
Outer:							
Width	[mm]	610	895	610	895	610	895
	[inch]	24.02	35.24	24.02	35.24	24.02	35.24
Depth	[mm]	496	496	496	496	496	496
	[inch]	19.53	19.53	19.53	19.53	19.53	19.53
Height	[mm]	845	845	845	845	273	336
	[inch]	33.27	33.27	33.27	33.27	10.75	13.23
Interior:							
Width	[mm]	603	889	2x 298	2x 438	603	889
	[inch]	23.74	35	2x 11.73	2x 17.24	23.74	35
Depth ¹⁾	[mm]	406	406	406	406	406	406
	[inch]	15.98	15.98	15.98	15.98	15.98	15.98
Height	[mm]	222	305	140	222	273	336
	[inch]	8.74	12	5.51	8.74	10.74	13.23
Ref. no.		4.271.10	4.272.20	4.271.40	4.272.60	4.273.11	4.273.22

¹⁾ Due to the shape of the basin, the depth reduces to approx. 260 mm (10.24 inch) in the bottom half of the tank.

Accessories

Floor strainer							
Ref. no.	4.270.04	4.270.06	—	—	4.270.04	4.270.06	
Components basket							
Ref. no.	4.270.03	4.270.05	—	—	4.270.03	4.270.05	

8.4

8.5

Storage equipment and accessories





9

Storage equipments and accessories

9.1	Drum safety accessories	417
9.2	Pump systems	419
9.3	Container/drum transport and handling	421
9.4	Safety storage containers	422
9.5	Hazardous substance shelf systems	424
9.6	Depots and collection trays	425
9.7	DÜANA tank filling system	428

9.1.1 Drum wrench



Enables the easy opening/closing of all standard drum fixings. Brass alloy.

- › Prevents spark formation when opening/closing the drum.

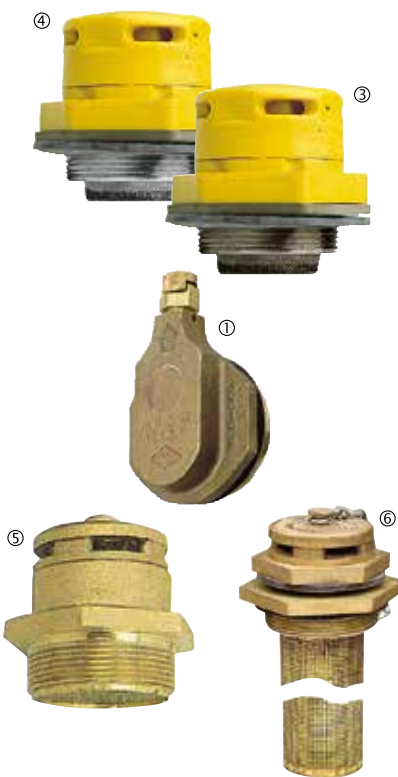
Ordering information/dimensions

Length approx.	[mm]	275
	[inch]	10.83

Ref. no.	1.808.05
-----------------	-----------------

9.1







9.1.2 Vacuum and pressure compensation valves



For vacuum and pressure compensation in drums. Model 1.802.04 consists of a flame arrester and valve. When filling a drum the valve can be unscrewed, the flame arrester remains in the drum. Ideal for combining with funnel 3.80.003, see programme section 8.2.

- › Prevents overpressure and negative pressure in containers and therefore prevents drum bursts.
- › Enables uniform filling.
- › Automatic pressure compensation.
- › Flame arrester protects against explosion.
- › Various materials.
- › Tested safety product.

Ordering information/dimensions

						
	①	②	③	④	⑤	⑥
Housing	Brass	Stainless steel	Plastic	Plastic	Brass	Brass
	Brass	Stainless steel	Galvanised steel	Stainless steel	Brass	Brass
Flame arrester	within the 2" connection		within the 2" connection			140 mm 5.51 inch long
Pressure compensation	automatic from 0.4 bar 5.8 psi		automatic from 0.4 bar 5.8 psi			
	addit. fusible link					
Vacuum compensation	manual		automatic at 0.2-0.6 bar 2.9-8.7 psi			
Drum position	horizontal		vertical			
Seals	Buna N		membranes made of Buna N			
Ref. no.	1.803.00	1.803.06	1.800.05	1.800.06	1.801.01	1.802.04

For all vacuum and pressure compensation valves from ① to ⑥ - see table.

9.1.3 Level indicator



For indicating the level in the drum. Suitable for numerous media including non-viscous oils. Glass tube with chromium-plated protection sheets. T-piece made of galvanised cast iron.

- › Suitable for drums and taps with 3/4" connection.
- › Can also be used together with drum siphon adapter.

Ordering information/dimensions

Level indicator (without tap)

Drum position vertical

Ref. no.	1.805.32
-----------------	-----------------

Drum safety accessories

9.1.4 Self-closing taps



For all self-closing taps, from ① to ⑥ - see table.

Safe, controlled removal from containers.

- » Open by pushing or pulling.
- » Setting ring for adjustment.
- » Self-closing prevents uncontrolled leakage of liquids.
- » Flame arrester (except ①+⑥) protects against explosion.
- » Tested safety product.

Ordering information/dimensions

	①	②	③	④	⑤	⑥
Material	Stainless steel	Stainless steel	Brass	Brass	Brass	Brass
Actuator	Plastic, easy-moving	Galvanised sheet steel	Plastic, easy-moving	Galvanised sheet steel	Galvanised sheet steel	Galvanised sheet steel
Setting ring for adjustment	•	•	—	—	•	—
Flame arrester	—	•	•	•	•	—
Flow rate [l/min]	3	6	6	6	6	8
[gal/min]	0.79	1.59	1.59	1.59	1.59	2.11
Threaded connection	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Sealing material	Teflon	Teflon	Teflon	Teflon	Teflon	Teflon
Ref. no.	1.80.000	1.809.16	1.805.40	1.809.02	1.809.10	1.809.55

Accessories

Flexible metal hoses make filling through small openings easier. For internal thread 3/4"

Ø	[mm]	16	15
	[inch]	0.63	0.59
Length	[mm]	160	210
	[inch]	6.3	8.27
Ref. no.		1.805.87	1.809.30

9.1.5 Self-closing cut-off tap



For safe removal of viscous liquids. Cast brass parts. Lever, screws and springs made of galvanised sheet steel. Teflon cutting disc.

- » Long-lasting, highly resistant Teflon cutting disc.
- » Economical extraction.
- » Self-closing prevents uncontrolled leakage of liquids.
- » Tested safety product.

Ordering information/dimensions

2" threaded connection

Ref. no.	1.805.52
----------	----------

9.1.6 Antistatic set



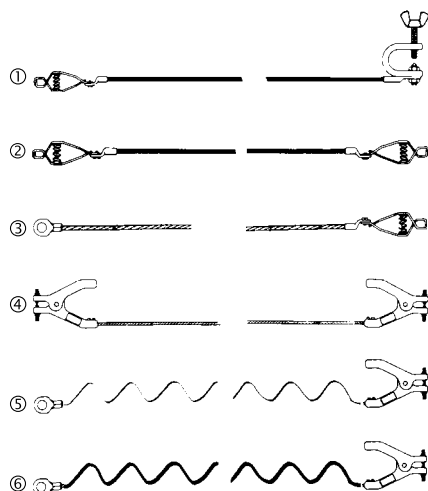
For discharging and preventing electrostatic charge in accordance with TRGS 727. Including high-quality transport case made of plastic.

- » Easy handling.
- » Protection of people/property.

Ordering information

Ref. no.	1.96.108
----------	----------

9.1.7 Earthing cables



For all earthing cables from ① to ⑥ - see table.

For discharging and preventing static charges in accordance with TRGS 727.

- » Easy handling.
- » Protection of people/property.

Ordering information/dimensions

	①	②	③	④	⑤	⑥
Length approx. [mm]	1000	1000	1000	1000	3000	3000
approx. [inch]	39.37	39.37	39.37	39.37	118.11	118.11
Material	Galvanised steel, PE sheathed	Galvanised steel, copper cable sheathed	Galvanised steel, copper cable sheathed	Galvanised steel	Galvanised steel	Galvanised steel, PE sheathed
Ref. no.	1.806.61	1.806.62	1.806.63	1.806.60	1.806.64	1.804.97

9.1

9.2

9.2.1 Electric drum and container pumps for flammable liquids

ATEX



Drum pump set ① - 1.97.820* and ② - 1.97.870* both with drum pump ①, solvent hose ②, extraction nozzle ③ and drum adapter ④

For flammable hydrocarbons.

From the pump to the system. For safe ① emptying and ② residual discharge of larger quantities from drums and IBCs.

- » For the safe transfer of ethanol, benzene, butanol, isopropanol, kerosene, methanol, etc.
- » Degree of protection IP 54.
- » 230 V motor with 5 m (3.28 ft) cable, earthing pin plug.
- » Pump sets are pre-assembled and quickly ready for use.
- » Explosion-proof in accordance with the ATEX 100a guidelines (equipment category 1/2).

Drum pump set:

① for **discharge** - consisting of drum pump, 2 m (6.56 ft) solvent hose DN 19, extraction nozzle made of brass and drum adapter made of PP.

② for **residual draining** - consisting of drum pump, 2 m (6.56 ft) solvent hose DN 19, extraction nozzle made of brass and drum adapter made of PP.

The remaining residual quantity for optimum use is approx. 0.1 litres (0.03 gal).

Ordering information/dimensions

Pumping station for	① Discharge	② Residual discharge
Actuator	Electric	Electric
Pumping station material	Stainless steel	Stainless steel
Immersion depth	[mm] 1000 [inch] 39.37	1000 39.37
Immersion tube Ø	[mm] 41 [inch] 1.61	41 1.61
Max. delivery head	mVWS 14	14
Max. delivery rate	[l/min] 95 [gal/min] 25.1	77 20.34
Engine power	Watt 460	460
Max. viscosity	mPas 350	500
Ref. no.	1.97.820*	1.97.870*

Pump systems

9.2.2 Drum pump made of stainless steel for flammable liquids



Drum pump with drainage elbow ① - 1.96.100
and with drainage hose ② - 1.96.105

The drum pump is the ideal solution for filling combustible and easily flammable liquids.

- » Parts in contact with medium are made of stainless steel 1.4301 and PTFE.
- » Electrostatically conductive.
- » Used in conjunction with the anti-static set, the drum pump fulfils the requirements for handling flammable liquids.

Ordering information/dimensions		①	②
Drainage elbow/hose (unscrewable)		Elbow	Hose (PTFE, 1.2 m, 1")
Immersion depth	[mm]		910
	[inch]		35.83
Delivery rate per stroke	[ml]	560	560
	[gal]	174.94	174.94
Total length	[mm]		1030
	[inch]		40.55
Immersion tube Ø	[mm]		32
	[inch]		1.26
Stopcock		—	•
Outlet spout		—	•
Ref. no.		1.96.100	1.96.105

Accessories

Drum threaded fitting made of nickel plated brass, R2", fine steel thread

Ref. no.	1.96.106	1.96.106
----------	----------	----------

Drum threaded fitting is gas-proof, R 2", steel thread for drums, backflow valve with 1/8" connection, nickel plated brass, sealing made of Viton®

Ref. no.	1.96.107	1.96.107
----------	----------	----------

Anti-static set - see programme section 9.1

Ref. no.	1.96.108	1.96.108
----------	----------	----------

9.2.3 Hand pump, ultra clean for organic solvents



Suitable for contamination free removal of organic solvents and flavourings. Materials in contact with media made of stainless steel, gaskets made of EPDM.

- » Pump is gas-tight and can be completely blocked with two ball valves.
- » Immersion tube 600 mm (23.62 inch)
- » Suitable for stainless steel drums usually used in laboratories, 10 l (2.64 gal) and 25 l (6.6 gal) with R 2"-fine thread.

Ordering information/dimensions

Immersion depth	[mm]	600
	[inch]	23.62
Ref. no.		1.96.130

Accessories

Anti-static set - see programme section 9.1

Ref. no.	1.96.108
----------	----------

9.3.1 Drum wagon



For safe handling of drums. Stable tubular frame, blue stove enamelled sheet steel incl. push-in lifting rod.

- » Easy handling of 200 litre (52.83 gal) drums.
- » 4 wheels, of which 2 steerable.

Ordering information/dimensions

Max. load bearing capacity	[kg]	500
	[lbs]	1102.31
Ref. no.		1.79.550

9.3.2 Lifter for drums and containers



Drum lifter ① - 1.31.045 and ② 1.31.0450 -
Transport unit ③ - 1.31.051

For safe picking-up and transport of drums and containers in an upright position.

- › Safe lifting with easy-to-use pump with foot lever for model 1.31.045* and hand crank for model 1.31.050*.
- › Suitable for the feeding of drum cabinets, drum stations, etc.
- › Manually operated dead man's control for safe and precise lowering.
- › 2 fixed castors and two swivelling castors.

Model 1.31.045*

- › Gripping arrangement suitable for nearly all 200 litre (52.83 gal) metal drums - releases automatically when the drum is set down.
- › Design optimally adapted to Euro pallets, for holding drums.

Model 1.31.050 with transport unit 1.31.051/1.31.052

- › Device is adjustable to container size and geometry.
- › Containers can be accepted easily with heavy-duty rollers.

Ordering information/dimensions

Max. load bearing capacity	[kg]	300	100
	[lbs]	661.39	220.46
Lift height	[mm]	700	1500
	[inch]	27.56	59.06
Length	[mm]	850	810
	[inch]	33.46	31.89
Width (outside/inside)	[mm]	960/870	710
	[inch]	37.8/34.25	27.95
Height (min./max.)	[mm]	1410/1915	1840
	[inch]	55.51/75.39	72.44
Legs (L x H)	[mm]	570 x 65	—
	[inch]	22.44 x 2.56	—
Weight	[kg]	67	40
	[lbs]	147.71	88.18
Ref. no.		1.31.045*	1.31.050

Accessories

Transport unit for Model 1.31.050

Ref. no., left	1.31.051
Ref. no., right	1.31.052

9.3.3 Transport trolley for hazardous substances



Transport trolley for flammable hazardous substances ① - 7.02.00 and for acids/lye ② - 7.02.200

For safe in-house transport of flammable hazardous substances or acids and lye. Transport trolley made of metal, powdercoated in RAL 7015 with anti-static rollers and waterproof sealed collection tray.

- › Collection volume of max. 22 litres (5.81 gal).
- › Stainless steel bracket for storing a pack of disposable gloves.
- › 4 castors, braking and anti-static.
- › Holding box for protective goggles.

Ordering information/dimensions

Material		PP - conductive	PP
Earthing cable		•	—
Max. capacity	[kg]	4x 20 l container	4x 20 l container
	[lbs]	4x 5.28 gal	4x 5.28 gal
Length x width x height	[mm]	810 x 445 x 900	810 x 445 x 900
	[inch]	31.89 x 17.52 x 35.43	31.89 x 17.52 x 35.43
Ref. no.		7.02.100	7.02.200

Safety storage containers

9.4.1 Safety store containers



Storage container - 1.52.311*
with shelf system - 1.52.477*



Insulated storage container - 1.52.221*

For safe and compliant storage of water polluting liquids in water pollutant class WGK 1 – 3, and flammable liquids, F+, F and ignitable, outdoors or in buildings in accordance with specific fire protection regulations.

The general national technical approval Z-38.5-94 of the Deutsches Institut für Bautechnik (DIBt - German Institute for Civil Engineering) is included in the scope of supply.

Standard containers

- » Containers are delivered ready assembled.
- » Galvanised or coated versions available (2 K-PUR prime coat as per RAL chart, e.g. RAL 6010 - grass green)
- » Wall and ceiling elements made of galvanised trapezoidal sections, floor sections made of sheet steel.
- » **1 wing steel door with locking system:**
 - Width x height 1294 x 1996 mm (49.17 x 78.58 inch).
 - The door is mounted on the longitudinal side, optionally on the longitudinal or narrow side, except model 1.52.311*, 1.52.411*, 1.52.211*, 1.52.511*.
 - Door hung on the right, a left-hung door is possible at no extra charge.
- » Counterbore-protected cylinder, push plate fittings and security lock with 3 keys.
- » The accessible roof is designed for
 - » 125 kg/m² (257.58 lbs/35.31 cubic ft) snow load.
- » Drainage through internal gutters.
- » **Bottom tray with grating unit:**
 - Bottom tray made of 3 mm (0.12 inch) thick, galvanised sheet steel, in accordance with WHG (Water Management Act) by a specialist firm in accordance with the steel collection tray guidelines (StawaR), welded liquid-tight and documented with factory test certificate.
 - Resistance verified according to DIN 18800 Part 7.
 - Standing level made of galvanised, removable gratings; load 1000 kg/m² (2204.62 lbs/10.76 sq.ft).

Insulated container for frost-free storage - optional

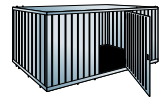
- » Galvanised container in fully assembled version.
- » Walls, roof and door thermally insulated with insulation panels (40 mm/1.57 inch).
- » Explosion-proof ventilation available. Please ask.
- » Other equipment is the same as that of the standard container.

Information

Delivery excludes unloading and transfer. A forklift truck or lifting gear suitable for the product's size and weight must be provided for unloading on site.

Optional in Germany: Unloading by truck loading crane on foundations created on site (ref. no. 1.52.HUB★).

Ordering information/dimensions



		2500	2400	3000	6300	10000	10000	10000
Storage capacity	[l]	2500	2400	3000	6300	10000	10000	10000
	[gal]	660.43	634.01	792.52	1664.28	2641.72	2641.72	2641.72
Collection volume	[l]	254	243	300	630	1000	1000	1000
	[gal]	67.1	64.19	79.25	166.42	264.17	264.17	264.17
Tare weight standard/insulated	[kg]	285	332	370/545	460/710	650/975	810	960
	[lbs]	628.32	731.93	815/1201	1014/1565	1433/2149	1785.74	2116.44
Length	[mm]	1250	1550	915	1950	2350	2350	2350
	[inch]	49.21	61.02	36.02	76.77	92.52	92.52	92.52
Width	[mm]	1525	1525	2350	2350	2985	4020	5055
	[inch]	60.04	52.83	92.52	92.52	117.52	158.27	199.02
Height	[mm]	1699	1659	2340	2340	2340	2340	2340
	[inch]	66.89	65.31	92.13	92.52	92.52	92.52	92.52
Ref. no., painted		1.52.302★	1.52.304★	1.52.311★	1.52.321★	1.52.331★	1.52.313★	1.52.317★
Ref. no., galvanised		1.52.402★	1.52.404★	1.52.411★	1.52.421★	1.52.431★	1.52.413★	1.52.417★
Ref. no., galvanised, insulated	on request			1.52.211★	1.52.221★	1.52.231★	1.52.213★	1.52.217★
Ref. no., galvanised¹⁾	on request			1.52.511★	1.52.521★	1.52.531★	1.52.513★	1.52.517★

¹⁾ with natural ventilation

Accessories/equipment



Two-wing steel door - 1.52.495★

Steel door - 2 wing

» Hot-dip galvanised.

Ordering information/dimensions

Steel door		Standard	Insulated
Width (door/side leaf)	[mm]	1250/650	1250/650
	[inch]	49.21/25.59	49.21/25.59
Height	[mm]	1996	1996
	[inch]	78.58	78.58
Ref. no.		1.52.495★	1.52.496★



Hanging platform - 1.52.490★

Hanging platform

» Galvanised, ideal for moving with the hand pallet truck.

Ordering information/dimensions

Width	[mm]	1160
	[inch]	45.67
Depth	[mm]	900
	[inch]	35.43
Ref. no.		1.52.490★







Uprights for inserting (optional)

Shelving systems

» Grating shelf adjustable every 140 mm (5.51 inch)











Ordering information/dimensions

					
Width/grating shelf	[mm]	2000	2000	1000	1000
	[inch]	78.74	78.74	78.74	78.74
Depth/grating shelf	[mm]	500	500	500	500
	[inch]	19.69	19.69	19.69	19.69
Storage levels		2	3	2	3
Load bearing capacity ¹⁾ /grating shelf	[kg]	120	120	120	120
	[lbs]	264.55	264.55	264.55	264.55
Ref. no.		1.52.476★	1.52.477★	1.52.478★	1.52.479★

¹⁾with uniformly distributed load

Electrical installation

Ordering information

	Ref. no.
 Fuse box ① - IP 54 with miniature circuit breakers, cables and switches (installed on the outside).	1.52.480★
 Fan ② - explosion-proof incl. motor protection switch	1.52.481EX★
 Ribbed tubular radiator ③ - explosion-proof with 850 Watt/T3 and thermostat	1.52.482EX★
 FI switches , 30 mA	1.52.467★
 CEE external connection 380 V/16 A (supply cable and connection on site)	1.52.483★
 Switch IP 54 (installed on the outside), additional.	1.52.469★
 Wall-mounted light , 100 W with IP 54.	1.52.468★
 Neon strip lamp , 2 x 58 W with IP 54.	1.52.463★
 Explosion-proof oval-lamp , 60 W with IP 65.	1.52.465EX★
 Explosion-proof neon strip lamp , 2 x 58 W with IP 65.	1.52.466EX★
Earthing with spike	1.52.492★



Hazardous substance shelf systems

9.5.1 Hazardous substance shelves



Hazardous substance shelf - 1.46.530★

For storage of flammable liquids F+, F and water polluting liquids in water pollutant class WGK 1 – 3 in accordance with the regulations. Universal application in trade and industry, workshops and small businesses. Modular construction enables the systems to be easily extended, modified and retrofitted.

- » Easy installation.
- » Galvanised shelving uprights.
- » Galvanised shelves or hot-dip galvanised grating shelves, height adjustable in 25 mm (0.98 inch) pitch.
- » Can be fixed to the floor.
- » Load bearing capacity per shelf 150 kg/330.7 lbs (with uniformly distributed load).
- » Due to standardised sizes, can be combined with other systems.

- » Collection trays with declaration of conformity (ÜHP) according to StawaR (steel collection tray regulations).

Information

With regard to the collection volume, the largest individual container or 10 % of the total quantity must be taken into consideration. Shelves are delivered unassembled, in their component parts. Installation on site is easy and is the customer's responsibility.

Ordering information/dimensions

Width	[mm]/[inch]	1000/39.37
Depth	[mm]/[inch]	600/23.62
Height	[mm]/[inch]	2000/78.74
Shelf		4
Collection volume	[l]/[gal]	4x 30/4x 7.93

	Basic unit	Extension
Ref. no.	1.46.530★	1.47.530★

Accessories - for all models

PE tray	[l]/[gal]	30 / 7.93
Ref. no.		1.72.030★



9.5.2 Hazardous substances shelving with spillage tray



Hazardous substances shelf with spillage tray ① - 1.46.015★ and ② - 1.46.020★

For storage of flammable liquids F+, F and water polluting liquids in water pollutant class WGK 1 – 3 in accordance with the regulations.

- » Easy installation.
- » Galvanised shelving uprights.
- » Hot-dip galvanised grating shelves, height adjustable in 25 mm (0.98 inch) pitch.
- » Load bearing capacity per shelf 150 kg/330.7 lbs (with uniformly distributed load).
- » Fork stirrups, 100 mm (3.93 inch) under-clearance

- » Hot-dip galvanised collection trays with declaration of conformity (ÜHP) according to StawaR (steel collection tray regulations).

Note

Shelves are delivered unassembled, in their component parts. Installation on site is easy and is the customer's responsibility.

Ordering information/dimensions

Width	[mm]/[inch]	2000/78.74	1000/39.37
Depth	[mm]/[inch]	600/23.62	600/23.62
Height	[mm]/[inch]	2100/82.68	2100/82.68

Tray dimensions:

Width	[mm]/[inch]	2400/94.49	1200/47.24
Depth	[mm]/[inch]	800/31.5	800/31.5
Height	[mm]/[inch]	250/9.84	360/14.17
Grating shelf		2 x 4	4
Collection volume	[l]/[gal]	200/52.83	200/52.83

Ref. no.	1.46.020★	1.46.015★
----------	-----------	-----------

Accessories - for all models

PE tray	[l]/[gal]	30/7.93
Bestell-Nr.		1.72.030★



9.6.1 Hazardous substance depot made of sheet steel



Hazardous substances depot -★ with fold down front door as ramp.

For storage of drums and containers in accordance with the regulations. For flammable liquids F+, F and water polluting liquids in water pollution class WGK 1 – 3.

- » Two versions available. With two wing doors and forklift pockets for forklift arms, 100 mm (3.93 inch) underclearance or with fold-down front door made of aluminium as access ramp.
- » With natural ventilation.
- » Galvanised sheet steel construction.
- » Collection tray with galvanised grating.
- » Roof with pneumatic springs.
- » Lockable.
- » Optional painted external surface possible, blue RAL 5012.
- » With general national technical approval Z-38.5-101 (DIBt).

Ordering information/dimensions

Construction	Wing doors	Wing doors	Ramp	Ramp
	2x 200 l	4x 200 l	2x 200 l	4 x 200 l
	2x 52.83 gal	4x 52.83 gal	2x 52.83 gal	4 x 52.83 gal
Max. number of drums				
Width	[mm] [inch]	1437 56.57	1437 56.57	1437 56.57
Depth	[mm] [inch]	1015 39.96	1500 59.06	1500 59.06
Height	[mm] [inch]	1614 63.54	1557 61.3	1514 59.61
			1457 57.36	
Collection volume	[l] [gal]	210 55.48	220 58.12	210 55.48
			220 58.12	
Ref. no., painted	1.48.212★	1.48.214★	1.48.412★	1.48.414★
Ref. no., galvanised	1.49.212★	1.49.214★	1.49.412★	1.49.414★

9.5

9.6

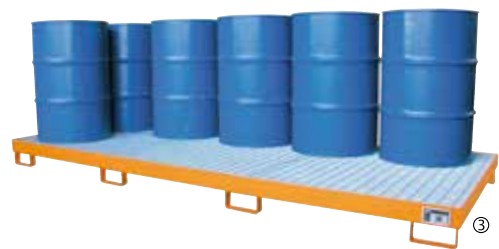
9.6.2 Collection trays made of sheet steel



Collection tray ① - 1.41.202★

For storage of drums containing flammable liquids F+, F and water polluting liquids in water pollutant class WGK 1 – 3 in accordance with the regulations, max. density 1.9 kg/l (4.19 lbs/0.26 gal).

- » Sturdy construction made of 3 mm (0.12 inch) thick sheet steel.
- » Incl. galvanised grating, removable, therefore easy to clean.
- » Easy to handle due to skids with 100 mm (3.93 inch) underclearance for in-house transport.
- » Surface painted blue, RAL 5012, or hot-dip galvanised to EN ISO 1461.
- » Other RAL colours available on request.
- » With declaration of conformity (ÜHP) according to StawaR.



Collection tray ② - 1.41.204★ and ③ 1.40.501 -★

Ordering information/dimensions

Max. number of 200 l (52.83 gal) drums		1	2	4	4	8	10	12
Width	[mm]	800	1200	1200	2400	2650	3250	3880
	[inch]	31.5	42.24	42.24	94.49	104.33	127.95	152.76
Depth	[mm]	800	800	1200	800	1300	1300	1300
	[inch]	31.5	31.5	42.24	31.5	51.18	51.18	51.18
Height	[mm]	465	360	285	250	210	190	200
	[inch]	18.31	14.17	11.22	9.84	8.27	7.48	7.87
Collection volume	[l]	203	215	216	222	246	280	335
	[gal]	53.63	56.8	57.06	58.65	69.74	74	88.5
Load	[kg]	250	500	1000	1000	1600	2000	2400
	[lbs]	551.16	1102.31	2204.62	2204.62	3527.4	4409.25	5291.1
Tare weight	[kg]	59	70	87	113	194	240	277
	[lbs]	130.07	154.32	191.8	249.12	427.7	529.11	610.68
Ref. no., painted		1.41.201 *	1.41.202 *	1.41.203 *	1.41.204 *	1.41.208 *	1.40.501 *	1.40.502 *
Ref. no., galvanised		1.41.301 *	1.41.302 *	1.41.303 *	1.41.304 *	1.41.308 *	1.40.601 *	1.40.602 *

Depots and collection trays

9.6.3 Collection trays made of sheet steel



Collection tray - 1.39.204★

For storage of drums containing flammable liquids F+, F and water polluting liquids in water pollutant class WGK 1 – 3 in accordance with the regulations, max. density 1,9 kg/l (4.19 lbs/0.26 gal).

- » Sturdy construction made of 3 mm (0.12 inch) thick sheet steel.
- » Incl. galvanised grating, removable, therefore easy to clean.
- » With supporting feet, easy to handle due to 100 mm (3.93 inch) underclearance for in-house transport.
- » Surface hot-dip galvanised according to EN ISO 1461.
- » With declaration of conformity (ÜHP) according to StawaR.

Ordering information/dimensions

Max. number of 200 l (52.83 gal) drums	2	4	
Collection volume	[l] [gal]	215 56.8	216 57.06
Width	[mm] [inch]	1200 47.24	1200 47.24
Depth	[mm] [inch]	800 31.5	1200 47.24
Height	[mm] [inch]	360 14.17	285 11.22
Ref. no.	1.39.202★	1.39.204★	

9.6.4 Collection trays made of polyethylene



①



②



③

① Collection tray - 1.73.030★, ② - 1.72.040★ and ③ - 1.73.040★

For storage of small containers in accordance with the regulations. For water polluting liquids in the water pollutant classes WGK 1 – 3.

- » High chemical resistance.
- » Corrosion-resistant.
- » Simple handling due to low height.
- » Low tare weight.
- » With general national technical approval Z-40.12-227 of the DIBt Berlin.

Information

Appropriate collection trays/30 l (7.93 gal) can be combined with the hazardous substance shelves in programme section 9.5.



Collection tray - 1.72.030★

Ordering information/dimensions

Collection volume	[l] [gal]	30 7.93	30 7.93	40 10.57	40 10.57
Steel grating, galvanised		—	•	—	•
Width	[mm] [inch]	980 38.58	980 38.58	1300 51.18	1300 51.18
Depth	[mm] [inch]	600 23.62	600 23.62	620 24.41	620 24.41
Height	[mm] [inch]	85 3.35	85 3.35	80 3.15	80 3.15
Load bearing capacity	[kg] [lbs]	—	50 110.23	—	50 110.23
Tare weight	[kg] [lbs]	4 8.82	10 22.05	5 11.02	13 28.66
Ref. no.		1.72.030★	1.73.030★	1.72.040★	1.73.040★

9.6.5 Collection trays made of polyethylene



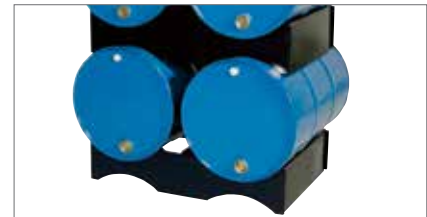
For **storage** of water polluting, **non-flammable** liquids in accordance with the regulations and according to WHG. High resistance against acids, lye and other aggressive chemicals, due to welded plastic construction of an extruded plate material (PE-HD). General national technical approval of the German Institute for Civil Engineering (DIBt).

- › Storage of containers and drums up to 200 litre (52.83 gal).
- › Convenient and easy loading due to low height.
- › Incl. sturdy PE perforated plate as standing level.
- › Easy to clean.
- › High media resistance.
- › High stability.
- › Accessible on all sides due to 100 mm (3.93 inch) base design.

9.6



Drum stand - 1.60.241 ★



Drum pallet - 1.60.242 ★ (2x)



Collection tray ① - 1.61.014★, ② - 1.61.003★ and ③ - 1.61.004★

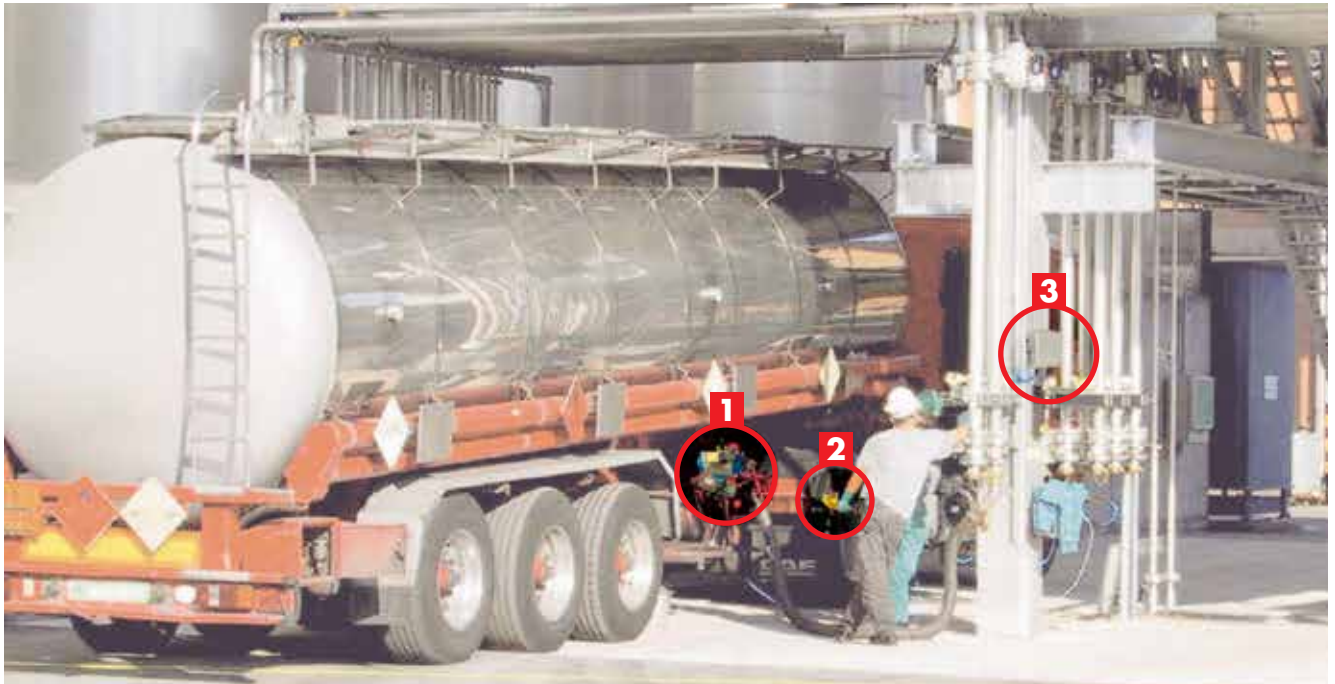
Ordering information/dimensions

Max. number of 200 l (52.83 gal) drums	2	3	4	4
Width	[mm] 1270 [inch] 50	1870 73.62	2470 97.24	1270 50
Depth	[mm] 870 [inch] 34.25	870 34.25	870 34.25	1270 50
Height	[mm] 400 [inch] 15.75	310 12.2	270 10.63	310 12.2
Collection volume	[l] 225 [gal] 59.44	225 59.44	225 59.44	225 59.44
Tare weight	[kg] 62 [lbs] 136.69	77 169.76	89 196.21	71 156.53
Load bearing capacity	[kg] 900 [lbs] 1984.21	1350 2976.31	1800 3968.42	1800 3968.42
Ref. no.	1.61.002★	1.61.003★	1.61.004★	1.61.014★

Accessories	Drum stand	Drum pallet
Capacity	1 drum (60/200 litre) (15.85/ 52.83 gal)	2 drums (200 litre) (52.83 gal)
Width	[mm] 630 [inch] 24.8	1110 43.7
Depth	[mm] 485 [inch] 19.1	700 27.56
Height	[mm] 350 [inch] 13.78	240 9.45
Material	HDPE	HDPE
Ref. no.	1.60.241 ★	1.60.242 ★

DÜANA tank filling system

9.7 ANA systems for reducing the retention volume



1 Cut-off flap



2 Hand-held terminal



3 Control unit

For safe removal of flammable and water polluting liquids from transport tanks.

For installing on or connecting to road tankers, tank containers or railway tank wagons in order to monitor the filling process when filling water polluting liquids into storage tanks via hoses.

ANA systems

Type A: Stationary system with integrated solenoid valve and hand-held terminal.

Type B: Stationary system with external solenoid valve and hand-held terminal.

Function

- » Couple the cut-off flap between tanker and filling hose and connect the pneumatic hose with the control unit/solenoid valve.
- » Switch on compressed air and power supply, release the filling process.
- » Acknowledge the signal recurring every 30 seconds on the hand-held terminal until filling is completed.

Advantages

- » Cost-saving, as the necessary retention volume of several thousand litres can be reduced to a few hundred litres.
- » Constant monitoring of the filling process so that any leakage is noticed immediately.
- » Several floating contacts installed as a standard, e.g. to connect devices for prevention against overfilling, pumps, emergency signals, etc.

Ideal for haulage firms

- » One ANA system can be flexibly deployed for several tankers.
- » With bypass button as standard, e.g. for private customer deliveries.

- » Failure to acknowledge the signal, continuous pressing and pressing the emergency stop actuator automatically shut the cut-off flap and end the filling process.

- » Flexibly deployable system.
- » Power supply 24V or with 230V power pack.
- » Compressed air supply 6 bar (87 psi).
- » Standard sizes of the cut-off flap/tanker couplings: DN 50 or DN 80.

- » Power can be supplied via cigarette lighter and compressed air via tyre inflation coupling or via on site unloading station.

9.7.1 Control units with hand-held terminal



DÜANA Type A - 8.300.01-1 ★

Equipment with awareness button and emergency stop actuator fulfil the filling monitoring requirements. Hand-held terminal approved for potentially explosive atmospheres in Zone 1. Housing made of highly resistant, impact-resistant polycarbonate.

Type	Ref. no.
A with integrated solenoid valve	8.300.01-1 ★
B with external solenoid valve	8.100.01-1 ★

9.7

9.7.2 Cut-off flaps set



Cut-off flaps set

Easy to use thanks to quick-release couplings on the vehicle's floor valve. Controlled by and connected to the control unit via a pneumatic hose. Flaps are supplied complete with pneumatic part-turn actuator, tanker couplings with dummy caps for threaded tapered union and connecting mother part and flanged threaded nipples.

Information

Other sizes and versions available on request. The customer is responsible for clarifying the required resistances with respect to the media to be filled.

Set no.	Ref. no.
1 Size DN 80, stainless steel, PTFE seal	8.552.80-1 ★
2 Size DN 80, stainless steel with PFA coating	8.551.80-1 ★
3 Size DN 50, stainless steel, PTFE seal	8.552.50-1 ★
4 Size DN 50, stainless steel with PFA coating	8.551.50-1 ★

9.7.3 Accessories



① Control unit - 8.300.01-1 ★ with ② power pack - 8.907.01-1 ★



Pneumatic hose - 8.901.04-1 ★



Warning device - 8.501.04-1 ★

Power supply:	Ref. no.
Power pack 230/24 V	8.907.01-1 ★
4 m/13.12 ft power cable for tanker's cigarette lighter, 24 V	8.904.05-1 ★
Heater for control units with power cable and plug for 230 V	8.960.00-1 ★

Compressed air supply:	Ref. no.
Pneumatic hose 7.5 m/24.6 ft length with couplings	8.901.04-1 ★
Pneumatic hose 15 m/49.2 ft length with couplings	8.901.15-1 ★
Pneumatic hose 22.5 m/73.81 ft length with couplings	8.901.22-1 ★
Tyre inflation coupling for connection to tanker coupling	8.901.05-1 ★
Hose winder with 12 m/39.37 ft of pneumatic hose.	8.920.12-1 ★

Additional add-ons:	Ref. no.
Visual/acoustic warning device incl. 4 m/13.12 ft connection cable	8.501.04-1 ★
PC read-out set for calling up the stored filling data	8.906.00-1 ★
Aluminium case for safe storage	8.501.02-1 ★
Trolley for easier transport	8.501.01-1 ★

Absorbers and binding materials



10

Absorbers and binding materials

from page

10.1

**Non-woven fabrics made of
microfibres**

433

10.2

Absorber emergency sets

434

10.3

Granulate binding materials

435

10.1.1 Universal absorber – lint-free



Absorbers ① - 1.50.200 and ② - 1.50.100

The binding materials made of polypropylene microfibres are excellent to quickly absorb a wide array of industrial liquids, e.g. hydrocarbons, cutting oils, coolants, hydraulic oils, solvents and water.

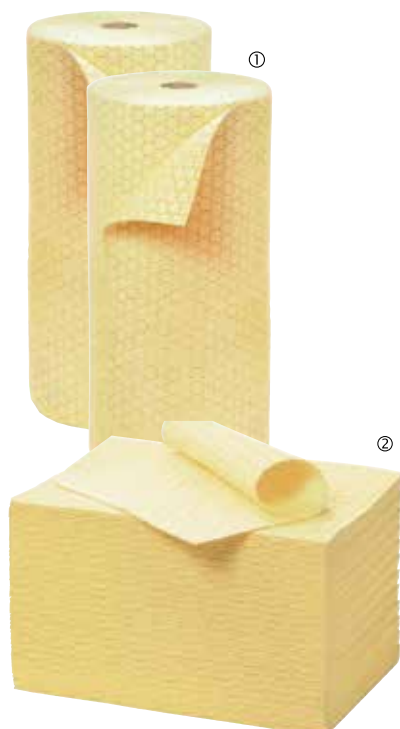
- » They absorb up to **9.5 times their own weight**.
- » High-quality, nearly **lint-free** quality with spunbond on the surface.
- » High absorption capacity and a long life span.
- » Extreme resistance with its exclusive honeycomb structure.
- » The perforated constructions allow a variety of applications.



Ordering information/dimensions

Construction		Cloths	Cloth roll
Perforation		longitudinally	longitudinally and transversally every 500 mm (19.69 inch)
L x W/pce.	[mm] [inch]	400 x 500 15.75 x 19.69	40 (m) x 800 131.23 (ft) x 31.5
Packaging unit	PU	Carton (100 cloths)	Carton (1 roll)
Net weight/PU	[kg] [lbs]	6.8 15	10.8 23.81
Max. absorption capacity/PU	[l] [gal]	101 26.68	162 42.8
Ref. no.		11.50.100	11.50.200

10.1.2 Chemical absorber – lint-free



Absorbers ① - 1.51.200 and ② - 1.51.100

The binding materials made of polypropylene microfibres are excellent to quickly absorb a wide array of chemicals, such as acids, lye, alcohol, ketones, solvents and aromatic substances.

- » They absorb up to **9.5 times their own weight**.
- » High-quality, nearly lint-free quality with spunbond on the surface.
- » High absorption capacity.
- » Long life span.
- » Extreme resistance with its exclusive honeycomb structure.
- » The perforated constructions allow a variety of applications.



Ordering information/dimensions

Construction		Cloths	Cloth roll
Perforation		longitudinally	longitudinally and transversally every 500 mm (19.69 inch)
L x W/pce.	[mm] [inch]	400 x 500 15.75 x 19.69	40 (m) x 800 131 (ft) x 31.5
Packaging unit	PU	Carton (100 cloths)	Carton (1 roll)
Net weight/PU	[kg] [lbs]	6.8 15	10.8 23.81
Max. absorption capacity/PU	[l] [gal]	101 26.68	162 42.8
Ref. no.		11.51.100	11.51.200

Non-woven fabrics made of microfibres/absorber emergency sets

10.1.3 Absorbers – extra suction power



Universal absorber/cloth roll - 11.50.300



Universal absorber/tube - 11.50.400



Chemical absorber - 11.51.300



Oil absorber - 11.52.300

The non-woven binding materials are made of polypropylene microfibres.

Universal absorbers are excellent to quickly absorb a wide array of industrial liquids, e.g. hydrocarbons, cutting oils, coolants, hydraulic oils, solvents and water.

Chemical absorbers are excellent to quickly absorb a wide array of chemicals, such as acids, lye, alcohol, ketones, solvents and aromatic substances.

Oil absorbers are excellent to quickly absorb hydrocarbons, oils and solvents that are leaking.

» Very high absorption capacity and speed with capillary effect, comparable with blotting paper.

» Oil absorber capable of floating even when saturated.

Ordering information/dimensions

Area of application	Universal	Universal	Chemicals	Oil
Construction	Cloth roll	Tube	Cloth roll	Cloth roll
Perforation	transverse, every 500 mm 19.69 inch	—	transverse, every 500 mm 19.69 inch	transverse, every 500 mm 19.69 inch
Dimensions/ pce.	[mm x m] [inch x ft]	800 x 40 31.5 x 131	Ø 70 x 1.2 2.76 x 3.94	800 x 60 31.5 x 196
Packaging unit	PU	Plastic pocket: 1 roll	Plastic pocket: 20 tubes	Plastic pocket: 1 roll
Net weight/ PU	[kg] [lbs]	9.6 21.16	8.0 17.64	8.6 18.96
Absorption of own weight up to		14.5 times	14.5 times	17 times
Max. absorption capacity per PU	[l] [gal]	180 47.55	80 21.13	173 45.7
Ref. no.		11.50.300	11.50.400	11.51.300
				11.52.300

10.2.1 Absorber emergency set in transport box with rolls



The mobile transport box can be used with great flexibility and is ideal for maintenance work. It is equipped with the grey universal absorbers - with extra suction power - appropriate to absorb the most diverse liquids in the industrial area, such as hydrocarbons, cutting oils, coolants, hydraulic oils, solvents and water.

- » Can be quickly and safely used on site.
- » Transport box with rollers for easy transport.
- » Lockable trolley made of highly stable PVC.

Emergency set consisting of:

- Absorber cloths: 35 items
- Absorber tubes: 3 items
- Absorber cushions: 2 items
- Wiping cloths: 10 items
- Gloves: 1 pair
- Sacks: 3 items

Ordering information/dimensions

W x D x H	[mm] [inch]	80 x 43 x 38 3.15 x 1.69 x 1.5
Weight	[kg] [lbs]	9.7 21.38
Capacity	[l] [gal]	75 19.81
Ref. no.		11.55.000

10.2.2 Absorber emergency set in transport box



The emergency set is especially appropriate for fast and flexible use. It is equipped with the grey universal absorbers - with extra suction power - appropriate to absorb the most diverse liquids in the industrial area, such as hydrocarbons, cutting oils, coolants, hydraulic oils, solvents and water.



- › Small and practical transport box.
- › Ideal emergency package to carry along in vehicles.

Emergency set consisting of:

- Absorber cloths: 35 items
- Absorber tubes: 3 items
- Wiping cloths: 10 items
- Gloves: 1 pair
- Sacks: 2 items

Ordering information/dimensions

W x D x H	[mm]	58 x 39 x 33
	[inch]	2.28 x 1.53 x 1.3
Weight	[kg]	4.4
	[lbs]	9.7
Capacity	[l]	50
	[gal]	13.21
Ref. no.		11.55.100

10.1

10.2

10.3

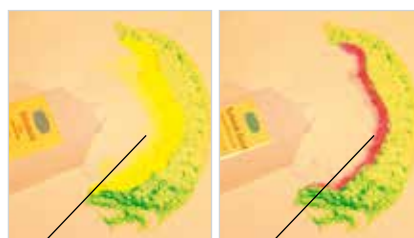
10.3.1 Universal oil and chemicals binders UNI-SAFE PLUS®



The oil and chemicals binding material made of networked polymers can be used **for all liquids**. It is especially suitable to quickly and safely absorb a wide array of chemicals, such as nitric acid, peroxides, sodium lye or other heavily reacting substances.

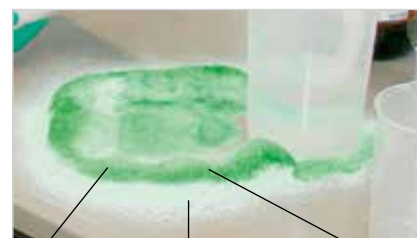
- › Absorbs up to **75 times its own weight**.
- › Economic and simple dosage thanks to graining and huge capacity.
- › Disposal costs can be reduced by up to 60 %..
- › Does not trigger any dangerous reactions.
- › Can also be used in heavy rain, pH neutral.
- › Absorbs and granulates hydrocarbons.
- › Indicates the binder's saturation by dry deposit on the surface.
- › Reduces emissions.
- › Tested and approved by MPA NRW no. 22 000 4136 05 to use on road surfaces according to oil binder guideline type III R – SRT test.
- › Tested and approved by MPA NRW no. 22 000 4702 05 – technical work and environmental safety test.
- › Tested by Hygiene Institute of Gelsenkirchen (A 0933 D/02/hs).
- › Has an indicator function - colour envelope acids (yellow)/ lye (red).

Indicator function



Acids (yellow)

Lye (red)



- ① **Binder saturation:**
dark – saturated, bright – still absorbing
- ② **Fine granulate:**
economical, easy to measure out, even reaches critical cavities and spaces
- ③ **Dam formation:**
possible, macerates

Information

Non-toxic, non-allergenic, non-flammable (BZ 3), non-dust explosive ST O (VDI 3673), not statically chargeable, not harmful to health, non-impact sensitive.

Ordering information/dimensions

Absorber		Lab can	Handle can	Bucket
Filling contents	[kg]	0.75	1.5	5.0
	[lbs]	1.65	3.31	11.02
Ref. no.		11.90.910	11.90.920	11.90.930

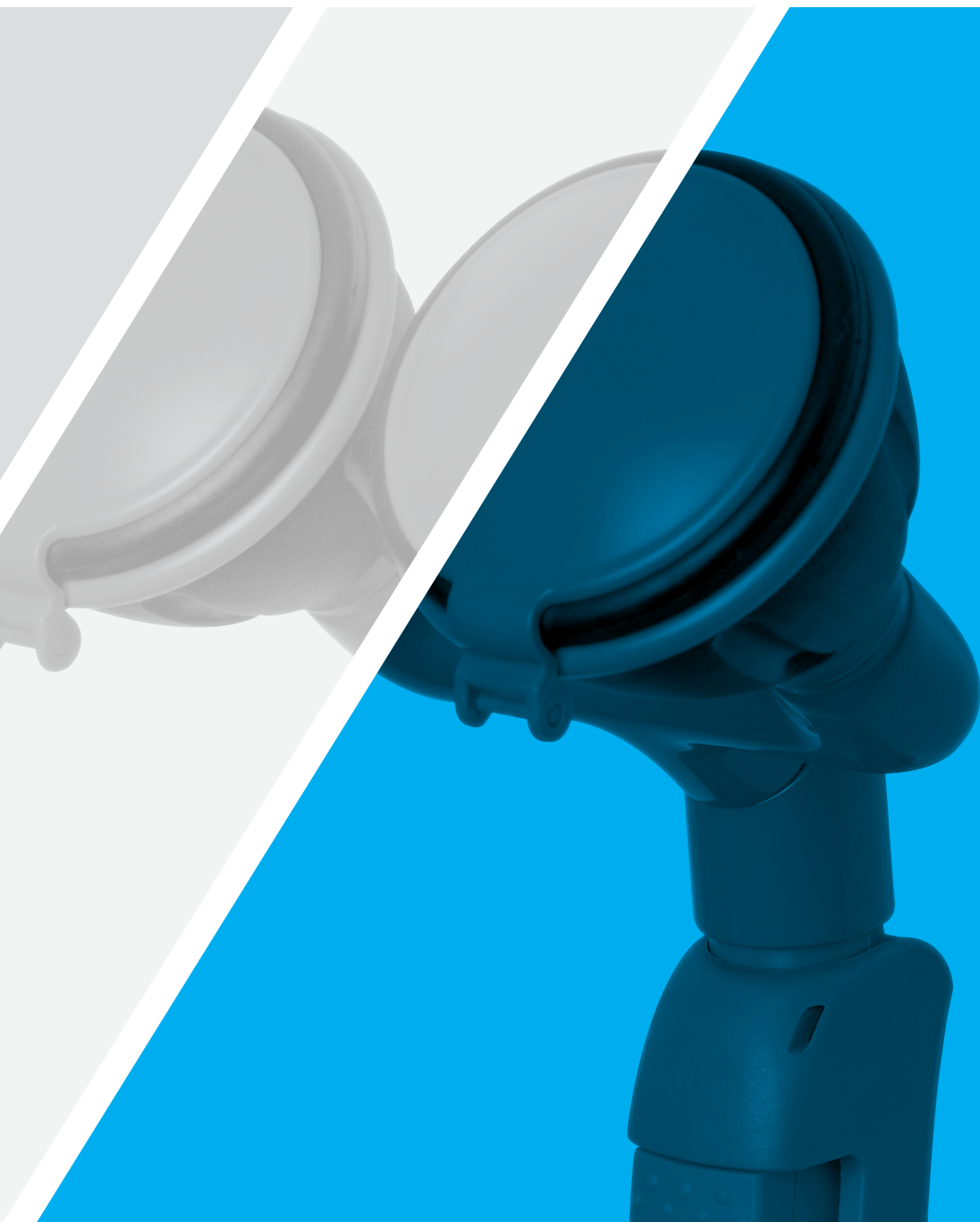


Granulate binding materials in lab can ① - 11.90.910, in handle can ② - 11.90.920 and in bucket ③ - 11.90.930



Example - use of granulate binding material

Emergency showers



Emergency showers

from page

11.1	Eye washes	439
11.2	Body showers	442
11.3	Combination showers	443

11.1.1 Eye washes and body hose showers according to DIN EN 15154-2

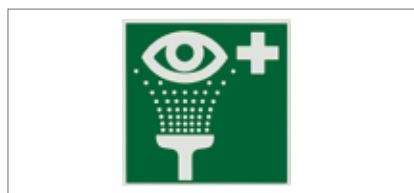


11.1



For quickly rinsing the eyes, the face or other parts of the body with water to wash off harmful liquids. Hand-held eye washes according to DIN EN 15154-2 for wall/table mounting incl. impact protection and dust protection cover.

- » Simple, user-friendly handling in case of an emergency.
- » Casing made of glass fibre reinforced plastic.
- » Media-bearing parts made of brass.
- » Shower heads of models 9.71.302 and 9.71.402 inclined at an angle of 45°.
- » Wall/table mounting bracket included in delivery.
- » Hose with stainless steel sheath.
- » Including emergency sign (pictogram).
- » DIN EN 15154-2 according to BGI/GUVI 850-0.
- » In accordance with drinking-water standards DIN EN 1717 and DIN 1988.
- » ANSI Z358.1-2004 compliant.
- » DIN-DVGW tested and approved.






One emergency sign (pictogram) per eye wash included.

Technical details:

Required water connection:
1/2" external thread.
Water flow rates at 1.5 - 5 bar
(21.75 - 72.5 psi) flow pressure
incl. automatic flow regulation
and backflow preventer.



Ordering information/dimensions

				
		①	②	③
No. of shower heads		1	1	2
Water flow rate	approx. [l/min] [gal/min]	7 1.85	7 1.85	14 3.7
Hose length	[mm] [inch]	1500 59.1	1500 59.1	1500 59.1
Bench penetration Ø	[mm] [inch]	20 0.79	20 0.79	20 0.79
Weight	[kg] [lbs]	1.5 3.3	1.5 3.3	2.0 4.41
Ref. no.		9.71.202	9.71.302	9.71.402

Eye wash ① - 9.71.202, ② - 9.71.302 and
③ - 9.71.402

Eye washes

11.1.2 Eye washes for wall/table mounting according to DIN EN 15154-2



①

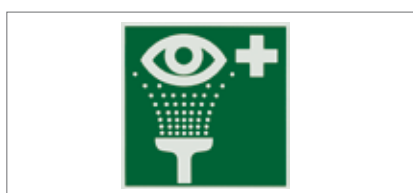
For quickly rinsing the eyes or the face with water to wash off harmful liquids. Eye washes according to DIN EN 15154-2 for either wall or table mounting, incl. impact protection and dust protection cover.

- » Simple, user-friendly handling in case of an emergency.
- » Stainless steel ball valve, not self-closing, push plate made of steel, powder-coated in green.
- » Media-bearing parts made of brass.
- » Model 9.30.085 with collecting basin made of stainless steel, powder-coated in green.

- » Shower heads inclined at an angle of 45°.
- » Including emergency sign (pictogram).
- » DIN EN 15154-2 according to BGI/GUVI 850-0.
- » In accordance with drinking-water standards DIN EN 1717 and DIN 1988.
- » ANSI Z358.1-2004 compliant.
- » DIN-DVGW tested and approved.



②



One emergency sign (pictogram) per eye wash included.

Technical details:

Required water connection for models 9.20.085 and 9.21.085:

1/2" internal thread.

Required water connection for models 9.25.085 und 9.30.085:

3/4" external thread.

Water flow rates at 1.5 - 5 bar (21.75 - 72.5 psi) flow pressure incl. automatic flow regulation.

Ordering information/dimensions



③



①

②

③

④

		①	②	③	④
No. of shower heads		2	2	2	2
Water flow rate	approx. [l/min]	14	14	14	16
	[gal/min]	3.7	3.7	3.7	4.23
Mounting		Table mounting	In-wall mounting	Surface wall mounting	Wall mounting
Weight	[kg]	1.5	1.5	1.5	1.5
	[lbs]	3.31	3.31	3.31	3.31
Ref. no.		9.20.085	9.21.085	9.25.085	9.30.085



④

Eye wash ① - 9.20.085, ② - 9.21.085, ③ - 9.25.085 and ④ - 9.30.085

11.1.3 Eye emergency stations according to DIN EN 15154-4



For quickly rinsing the face, especially the eyes, with sodium chloride solution (0.9 %) at small workplaces or in rooms without water supply. Sterile, pH-neutral phosphate buffer solution (4.9 %) to neutralize acids and a large number of alkaline substances.

- › Simple, user-friendly handling in case of an emergency.
- › All rinsing bottles with ergonomic eye cup and dust lid.
- › Models 9.31.845 and 9.32.045 especially suited for workplaces where acids, lye and foreign bodies can get into the eye, with eye emergency plan.
- › Including pictogram, mirror and mounting material.
- › Dust-proof wall box, especially suited for workplaces where dust and dirt accumulate.
- › Wall station with wall mounting bracket.
- › Shelf life: 3 years.
- › DIN EN 15154-4.

11.1



Eye emergency station for wall mounting - 9.32.005







Eye rinsing bottle - sodium chloride solution, 500 ml (0.13 gal) - 9.31.405



Eye rinsing bottle - sodium chloride solution, 200 ml (0.05 gal) - 9.31.510



Ordering information/dimensions

					
		①	②	③	④
Construction		Wall station	Wall station	Wall box	Wall box
Rinsing bottles:					
- Sodium chloride solution	[500 ml] [0.13 gal]	2	1	2	1
- Phosphate buffer solution	[200 ml] [0.05 gal]	-	1	-	1
Rinsing period:					
- Sodium chloride solution	[approx. min.]	2x 5	5	2x 5	5
- Phosphate buffer solution	[approx. min.]	-	2	-	2
Dimensions:					
- Width	[mm] [inch]	230 9.06	230 9.06	227 8.94	227 8.94
- Depth	[mm] [inch]	80 3.15	80 3.15	110 4.33	110 4.33
- Height	[mm] [inch]	290 11.42	290 11.42	265 10.43	265 10.43
Weight	[kg] [lbs]	1.6 3.53	1.3 2.87	1.6 3.53	1.3 2.87
Ref. no.		9.31.805	9.31.845	9.32.005	9.32.045

Accessories - for all models

Rinsing bottles	Sodium chloride solution, 500 ml/0.13 gal	Phosphate buffer solution, 200 ml/0.05 gal
Ref. no.	9.31.405	9.31.510

Eye emergency station ① - 9.31.805, ② - 9.31.845, ③ - 9.32.005 and ④ - 9.32.045

Body showers

11.2.1 Body showers for wall mounting according to DIN EN 15154-1



For quickly flooding burning or externally contaminated persons with water to wash off harmful liquids. Body showers according to DIN EN 15154-1 for either wall mounting or wall mounting above a door.

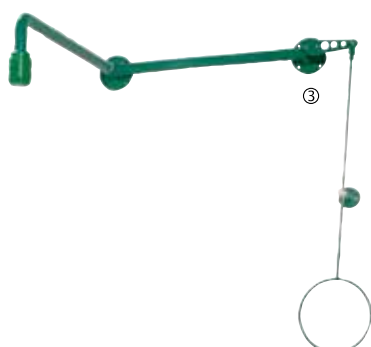
- » Simple, user-friendly handling in case of an emergency.
- » Stainless steel ball valve, not self-closing.
- » Models 9.82.085 and 9.84.085: Piping and shower arm made of brass, powder-coated in green. Pull rod made of steel, powder-coated. High-performance shower head made of chemical-resistant plastic, self-draining.
- » Models 9.82.095 and 9.84.095: Piping, shower arm and pull rod made of stainless steel. High-performance shower head made of stainless steel - self-draining.
- » Including emergency sign (pictogram).
- » DIN EN 15154-1 according to BGI/GUVI 850-0.
- » In accordance with drinking-water standards DIN EN 1717 and DIN 1988.
- » ANSI Z358.1-2004 compliant.
- » DIN-DVGW tested and approved.







One emergency sign (pictogram) per body shower included.

Technical details:

Required water connection:
 $\frac{3}{4}$ " external thread.
 Water flow rates at
 1.5 – 3 bar (21.75 - 43.5 psi)
 flow pressure incl. automatic flow regulation.



Ordering information/dimensions

					
		①	②	③	④
Water flow rate	approx. [l/min.] [gal/min.]	50 13.21	50 13.21	50 13.21	50 13.21
Mounting		Surface wall mounting	Surface wall mounting	Surface wall mounting above door	Surface wall mounting above door
Weight	[kg] [lbs]	2.5 5.51	2.5 5.51	5.0 11.02	5.0 11.02
Ref. no.		9.82.085	9.82.095	9.84.085	9.84.095

Body shower ① - 9.82.085, ② - 9.82.095
 ③ - 9.84.085 and ④ - 9.84.095

11.3.1 Combination showers according to DIN EN 15154-1 and 15154-2



Whole-body shower stand with eye wash/face rinse for quickly flooding burning or externally contaminated persons or for rinsing the face, especially the eyes, with water to wash off harmful liquids. Combination showers according to DIN EN 15154-1 and DIN EN 15154-2 optionally with collecting basin for the eye wash, incl. impact protection and dust protection cover.

- » Simple, user-friendly handling in case of an emergency.
- » Models 9.83.208 and 9.83.785:
Body shower: Stand pipe made of stainless steel, powder-coated in green, shower arm made of brass, powder-coated in green. High-performance shower head made of chemical-resistant plastic, self-draining.
Eye wash: Push plate made of steel, powder-coated in green. Media-bearing parts made of brass.
- » Models 9.83.209 and 9.83.795:
Body shower: Piping, shower arm and pull rod made of stainless steel. High-performance shower head made of stainless steel - self-draining.
Eye wash: Push plate made of steel, powder-coated in green.

- Media-bearing parts made of brass.
- » Stainless steel ball valve, not self-closing.
- » Collecting basin made of stainless steel, powder-coated in green.
- » Including emergency sign (pictogram).
- » DIN EN 15154-1 and DIN EN 15154-2 according to BGI/GUVI 850-0.
- » In accordance with drinking-water standards DIN EN 1717 and DIN 1988.
- » ANSI Z358.1-2004 compliant.
- » DIN-DVGW tested and approved.

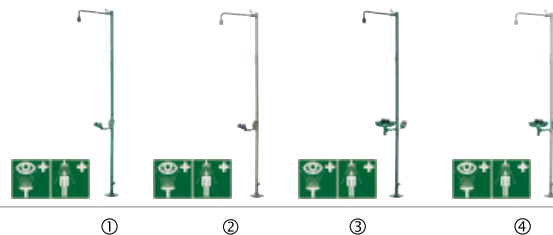


One emergency sign (pictogram) per combination shower included.

Technical details:

Required water connection:
 1 1/4" external thread.
 Water flow rates
 - Body shower at 1,5 - 3 bar (21.75 - 43.5 psi) flow pressure,
 - Eye wash at 1.5 - 5 bar (21.75 - 72.5 psi) flow pressure incl. automatic flow regulation.

Ordering information/dimensions



Water flow rate:

- Eye wash		approx. [l/min.] [gal/min.]	14 3.7	14 3.7	16 4.23	16 4.23
- Body shower		approx. [l/min.] [gal/min.]	50 13.21	50 13.21	50 13.21	50 13.21
Mounting			Floor mounting	Floor mounting	Floor mounting	Floor mounting
Collecting basin incl.			-	-	•	•
Weight		[kg] [lbs]	11.5 25.35	11.5 25.35	13.0 28.67	13.0 28.67
Ref. no.			9.83.208	9.83.209	9.83.785	9.83.795

Combination shower ④ - 9.83.795 and
 ① - 9.83.208

11.2

11.3

Safety ashtrays and paper baskets



12

Safety ashtrays and paper baskets

from page

12.1

**Safety ashtrays and
cigarette butt collectors**

447

12.2

Self-extinguishing paper baskets

450

Safety ashtrays and cigarette butt collectors

12.1.1 Collection containers made of HDPE for cigarette butts



For safe collection and disposal of cigarette butts. Smouldering cigarette butts are automatically extinguished. Containers made of HDPE with flame-retardant addition and UV protection. Insert made of galvanised steel.

- › Suitable for outdoor use, ideal for keeping properties and open spaces clean.
- › Covered opening protects against rain and prevents other waste materials from being thrown in.
- › Opening is large enough for the easy throwing-in of cigarette butts.
- › The patented double inner edge guides the tar condensate directly into the inner container.
- › Innovative design reduces the oxygen supply, which quickly and safely extinguishes still-smouldering cigarette butts and prevents fires.
- › Extremely sturdy polyethylene with additional fire protection that does not rust, dent, tear or chip off.
- › High stability thanks to large standing surface.
- › Easy-to-open and close latch lock prevents the wastes from spilling during disposal.
- › Container consists of 3 easy-to-assemble components.
- › No spillage of the waste materials and undesired oozing of the contents with the easy-to-open and close bolted lid.
- › Inner container made of galvanised steel, capacity approx. 1.5 litres (3.96 gal), can be easily removed for cleaning.



Perforated stainless steel sheet in the opening simplifies the extinguishing of cigarettes.



Convenient emptying, with easy removal of the insert.



Padlock device for protection against vandalism.











Additional safety against theft with fastening eyelets on both sides.



Optional fire-proof waste pocket with practical sealing band, made of specially coated aluminium/plastic film - 5.268.27

Collection container for cigarette butts in several colours.

Ordering information/dimensions

									
Colour		Grey	Beige	Black	Terracotta	Green	Grey	Light beige	Black
Content	[l]	15	15	15	15	15	15	15	15
	[gal]	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96
Height	[mm]	1000	1000	1000	1000	1000	965	965	965
	[inch]	39.37	39.37	39.37	39.37	39.37	38	38	38
Container Ø	[mm]	420	420	420	420	420	305	305	305
	[inch]	16.53	16.53	16.53	16.53	16.53	12	12	12
Opening Ø	[mm]	3,8	3,8	3,8	3,8	3,8	-	-	-
	[inch]	0.15	0.15	0.15	0.15	0.15	-	-	-
Ref. no.		5.268.00	5.268.01	5.268.02	5.268.03	5.268.04	5.268.50	5.268.52	5.268.53

Accessories

Waste pocket / PU 10 pcs

Ref. no. 5.268.27

Safety ashtrays and cigarette butt collectors

12.1.2 Collection containers for cigarette butts



Collection container ① - 5.54.115, ② - 5.54.100 with base and ③ - 5.54.120 with wall bracket

For safe collection and disposal of cigarette butts. Smouldering cigarette butts are automatically extinguished. Available as a powder-coated aluminium and steel construction or stainless steel construction.






- » Suitable for outdoor use, ideal for keeping properties and open spaces clean.
- » Stable construction with attractive modern design.
- » Covered opening protects against rain and prevents other waste materials from being thrown in.
- » Integrated safety sieve prevents embers and ashes from falling out.
- » Embedded cylinder lock for protection against vandalism and theft.

- » **Model 5.54.120 and 5.54.125** – with wall bracket made of steel for an easy wall assembly.



Collection container easy to empty

Ordering information/dimensions

Colour					
	Black	Silver	–	Silver	–
Material	Aluminium/steel	Aluminium/steel	Stainless steel	Aluminium/steel	Stainless steel
Placement	Adjustable foot	Adjustable foot	Adjustable foot	Wall bracket	Wall bracket
Content	[l] [gal]				
	3 0.79	3 0.79	3 0.79	1.5 0.4	1.5 0.4
Height	[mm] [inch]				
	1041 41	1041 41	1041 41	590 23.23	590 23.23
Ø	[mm] [inch]				
	356 14.02	356 14.02	356 14.02	356 14.02	356 14.02
Ref. no.	5.54.100	5.54.101	5.54.115	5.54.120	5.54.125

12.1.3 Safety ashtrays



Safety ashtray ① - 5.92.026 with rain protection roof ① and floor stand ②, ② - 5.92.025 with wall bracket

For safe collection and disposal of cigarette butts. Smouldering cigarette butts are quickly and automatically extinguished. Ashtrays made of powder-coated sheet steel or stainless steel are available.

- » Funnel-shaped lid opening prevents oxygen supply in case of fire.
- » All ashtrays feature a wall bracket.

- » Easy to empty.
- » Optional standing foot, painted black and rain protection roof made of stainless steel available.



Safety ashtray with wall bracket - 5.92.026

Version - sheet steel:

Container made of sheet steel, powder-coated. Chute and wall bracket of galvanised sheet steel, black.

Version - stainless steel:

Container, chute and wall bracket made of stainless steel.




Ordering information/dimensions

Colour			
Material			
Dimensions	Content [l]/[gal]	Ø [mm]/[inch]	Height [mm]/[inch]
	1/0.26	110/4.33	120/4.72
	2,4/0.63	150/5.9	145/5.71

Accessories

① Rain protection roof	190/7.5	255/10
② Floor stand	245/9.6	825/33

Ref. no.

			
	New silver	Red	–
	Sheet steel	Sheet steel	Stainless steel
	–	–	5.92.016
5.92.024	5.92.025	5.92.026	

–	–	5.94.020
5.94.010	5.94.010	5.94.010

12.1.4 Waste bin / ashtray combination



Wastes / ashtray combination 5.43.200

For safe collection and disposal of cigarette butts. Collection container for waste materials, paper and similar materials in combination with ashtray function.
Container made of coated sheet steel. Wall-mounted or free-standing models are available.

- › Suitable for outdoor use, ideal for keeping properties and open spaces clean.
- › Stable construction with attractive modern design.
- › Covered opening protects against rain and prevents other waste materials from being thrown in.
- › Integrated safety sieve prevents embers and ashes from falling out.
- › **Model 5.43.100** – with wall bracket for easy wall assembly.



Safety ashtray - 5.43.100 with wall bracket

Ordering information/dimensions

Material		Sheet steel	Sheet steel
Placement		Stand model	Wall bracket
Colour		Dark grey	Dark grey
Contents (ashtray/container)	[l] [gal]	2 8 0.53 2.11	1,5 – 0.4 –
Height	[mm] [inch]	1041 41	255 10.04
Width	[mm] [inch]	403 15.9	152 6
Depth	[mm] [inch]	262 10.31	64 2.52
Ref. no.		5.43.200	5.43.100

12.1.5 Safety table ashtrays made of stainless steel

Safety table ashtray for automatically self-extinguishing smouldering cigarette butts. Ashtrays made of stainless steel.

- › Extra wide side edge to prevent leftover cigarettes from falling out.
- › **Dishwasher-safe.**
- › Simple to empty and clean with a removable head piece.
- › Suitable for table leftovers, ideal for gastronomy.



Safety table ashtray ① - 5.93.010 and ② - 5.93.020



Safety ashtray - 5.93.020

Ordering information/dimensions

Content	[l] [gal]	0.2 0.05	1.0 0.26
Height	[mm] [inch]	40 1.57	70 2.76
Ø	[mm] [inch]	90 3.54	150 5.9
Material		Stainless steel	Stainless steel
Ref. no.		5.93.010	5.93.020

Self-extinguishing paper baskets

12.2.1 Self-extinguishing paper baskets made of sheet steel, powder-coated



Containers and extinguishing head made of powder-coated sheet steel to collect paper, etc.

- » Extinguishing head construction prevents oxygen supply and the spread of fires in case of fire.
- » No risk of injuries thanks to rounded corners.
- » Comfortable to empty with poly bag (optional).
- » Safety product, GS mark for model with 20 litre contents.

Function













Fire arises - rising combustion gases are redirected by the extinguishing head and form a firmly pressed gas cushion. The oxygen supply is interrupted, fire is starved of oxygen.

Colour table

Grey white (RAL 9002)	Light grey (RAL 7035)	Fire red (RAL 3000)
Cobalt blue (RAL 5013)	Graphite black (RAL 9011)	Silver (special colour)
Celestial blue (special colour)	Apple green (special colour)	Orange (special colour)

Paper baskets ① - 5.31.591 in cobalt blue, ② - 5.31.350 in fire red, ③ - 5.32.400 in orange, ④ - 5.32.200 in apple green, ⑤ - 5.32.100 in celestial blue, ⑥ - 5.31.020 in light grey, ⑦ - 5.32.300 in silver

Ordering information/dimensions					Ref. no.					
Colour:										
- Container					Grey white	Light grey	Fire red	Cobalt blue	Graphite black	Silver
- Extinguishing head					White	Grey	Black	Black	Black	Silver
Material					Sheet steel					
Dimensions	Contents Ø		Height	Filling opening Ø [mm]						
	[l] [gal]	[mm] [inch]	[mm] [inch]	Ø [mm] [inch]						
	20 5.28	260 10.24	426 16.77	110 4.33	-	5.31.020	5.31.320	5.31.520	5.31.120	-
	50 13.2	335 13.19	625 24.6	110 4.33	5.31.250	5.31.050	5.31.350	5.31.550	5.31.150	5.31.450
	110 20.1	450 17.71	710 27.95	175 6.89	5.31.291	5.31.091	5.31.391	5.31.591	5.31.191	5.31.491
Colour:										
- Container					Celestial blue	Apple green	Orange	Silver		
- Extinguishing head					Celestial blue	Apple green	Orange	Silver		
Dimensions	50 13.2	310 12.2	590 23.23	110 4.33	5.32.100	5.32.200	5.32.400	5.32.300		
Accessories										
Poly bag	20 5.28	-	-	-	5.98.023					
Poly bag	50 13.2	-	-	-	5.98.050					
Poly bag	110 20.1	-	-	-	5.98.105					

12.2.2 Self-extinguishing paper baskets made of sheet steel, powder-coated



Paper basket - 5.55.100 black/silver

Containers and extinguishing head made of powder-coated sheet steel to collect paper, etc.

- » Extinguishing head construction prevents oxygen supply and the spread of fires in case of fire.
- » No risk of injuries thanks to rounded corners.
- » Comfortable to empty with poly bag (optional).

Ordering information/dimensions				Ref. no.
	Contents [l] [gal]	Ø [mm] [inch]	Height [mm] [inch]	
Placement	-	-	-	Safety waste container
Colour	-	-	-	Black/silver
Dimensions	50 13.2	310 12.2	530 20.9	5.55.100
Accessories				
Poly bag	50 13.2	-	-	5.98.050

12.2

12.2.3 Self-extinguishing paper baskets made of sheet steel, powder-coated



Paper basket - 5.37.216 including triangular key

Containers and extinguishing head made of powder-coated sheet steel to collect paper, etc.

- » Extinguishing head construction prevents oxygen supply and the spread of fires in case of fire.
- » Container in new silver and extinguishing head in black.
- » Construction with wall bracket and tilting wall bracket locked with triangular key prevents unauthorised discharge.
- » Container also available for ground set-up, no locking.

Ordering information/dimensions				Ref. no.		
	Contents [l] [gal]	Ø [mm] [inch]	Height [mm] [inch]			
Placement	-	-	-	Wall bracket	Tilting wall bracket	Ground set-up
Triangular locking	-	-	-	•	•	-
Dimensions	16 4.23	245 9.65	340 13.39	5.37.116	5.37.216	5.37.316
Accessories						
Poly bag	-	-	-	5.98.023		

All-round service

We thank you for your confidence in purchasing DÜPERTHAL safety storage cabinets.

Kindly note that all safety equipment has to be controlled by a qualified person according to national regulations and once a year according to the maintenance interval indicated by the manufacturer. In order to meet these requirements and to guarantee the safe function of your safety storage cabinets, we recommend to have the cabinets checked once a year by our service technicians.

Your benefits: DÜPERTHAL Service Agreement Comfort*

- » 5 years manufacturer's guarantee. **
- » First inspection free.



Your economic advantages

- » 5 years manufacturer's guarantee. **
- » First inspection is free of charge.
- » Cost saving with regard to repairs, time expenditure is not billed separately (included in lump sum).
- » Travel expenses are included in the lump sum.
- » Guarantee a systematic monitoring of your safety equipment for audits. We remind you about upcoming deadlines.

Your technical advantages

- » Your cabinet's protective function is constantly maintained.
- » Support by trained and certified service technicians.
- » Inspection of safety storage cabinets and exhaust air filter systems.



**Preventive inspections.
Sustainable maintenance.
Our service sets new standards.**

Your contact person - Technical Service

Phone: +49 6188 9139-166

E-mail: service@dueperthal.com



DÜPERTHAL is certified acc. to
DIN EN ISO 9001

Customer:

(please indicate exact address and phone no.)

Service agreement no.:

between the recipient as the client and
DÜPERTHAL SICHERHEITSTECHNIK GmbH & Co. KG
Frankenstrasse 3
63791 Karlstein, Germany

In Germany, the annual inspection of safety storage cabinets including proof of the inspection is legally required by BetrSichV, TRGS 526, TRGS 510 and ArbStättV. Employers are responsible for implementation. Please check your national regulations.

The DÜPERTHAL Service Agreement Comfort* includes the following services:

- » Annual safety inspection and maintenance
- » Test certificate and test label
- » Time expenditure for repairs (spare parts are billed separately)
- » Travel expenses
- » 5 years manufacturer's guarantee**



Number of cabinets: (please enter number)

1	
2-3	
4 or more	

Lump sum per cabinet/year:

Number of filter systems: (please enter number)

1	
2-3	
4 or more	

Lump sum per filter system/year:

The inspection and maintenance covers all safety-relevant parts, such as fire protection and air seals, fusible links, ventilation openings, door closers and locks and the insulation. Furthermore, all mechanical components are checked to ensure that they are working properly and an exhaust air measurement is taken.

Deviations from this contract are only valid if they have been agreed on in writing by both parties to the contract. Otherwise the Service Terms and Conditions (supplement) shall be complied with.

Karlstein,

Place / Date

DÜPERTHAL SICHERHEITSTECHNIK GmbH & Co. KG

Signature / Company stamp

Place / Date

CLIENT

Signature / Company stamp

* Only valid for cabinets not older than 2 years (from delivery date). ** Manufacturer's guarantee does not apply to cabinets of other manufacturers.

Delivery checklist for safety storage cabinets

Simply complete and send back by e-mail to info@dueperthal.com

Dear Customer,

This checklist is part of the order. We would like to deliver and align your safety storage cabinets at the place of use. To ensure a timely and smooth delivery at the preferred installation location / place of use without complications, we need you to fill in the information below. If information is incomplete or received too late, substantial additional costs may arise, which we have to pass on to you. Please take notice of the delivery date mentioned in the order confirmation.

1. Order data	3. Access route/transport route outside the building
Customer	3.1 Is access possible with a 26 t truck, min. dimensions 3 x 12 x 4 m (W x L x H)?
Customer no.:	<input type="checkbox"/> Yes, road width approx. W _____ x H _____ m <input type="checkbox"/> no
Company:	<input type="checkbox"/> Roofing – max. clearance height only _____ m
Post code/city:	<input type="checkbox"/> Bridge – max. clearance height _____ m
Name:	<input type="checkbox"/> Blocked, because _____
Phone:	<input type="checkbox"/> Route not suitable, because _____
Department:	3.2 Distance to the building? _____ m
PO no:	3.3 Road surface?
Order no:	3.4 Pedestrian zone <input type="checkbox"/> yes <input type="checkbox"/> no. Delivery time from _____ to _____
Delivery address	3.5 At ground level <input type="checkbox"/> yes <input type="checkbox"/> no
Company:	3.5 Steps into the building <input type="checkbox"/> yes, _____ steps <input type="checkbox"/> no
Contact person on site:	3.6 Loading ramp available <input type="checkbox"/> yes <input type="checkbox"/> no
Phone:	3.7 Can the truck bridge the steps by means of its rear lifting platform? <input type="checkbox"/> yes <input type="checkbox"/> no
Street:	3.8 Parking facilities <input type="checkbox"/> yes <input type="checkbox"/> no
Post code/city:	3.9 Forklift truck & driver available <input type="checkbox"/> yes <input type="checkbox"/> no
Cabinet model:	3.10 Best access route by road?
Dimensions: (W x D x H in mm)	4. Transport route inside the building
Weight: (in kg)	4.1 Is the load bearing capacity of the transport route sufficient for the weight listed above? <input type="checkbox"/> yes <input type="checkbox"/> no
2. Installation location and delivery date	4.2 Installation location on ground floor <input type="checkbox"/> yes <input type="checkbox"/> no
2.1 When will the rooms/ transport routes be ready for use? (This includes all lifts, staircases, corridors on the way)	4.3 Installation location in basement/on upper floor <input type="checkbox"/> yes, _____ floor
2.2 Delivery possible from _____ to _____	5. Lift
2.3 Installation location (building, room):	5.1 Lift available? <input type="checkbox"/> yes <input type="checkbox"/> no
2.4 Person to be notified by phone:	5.2 Lift usable? <input type="checkbox"/> yes <input type="checkbox"/> no
2.5 Phone:	5.3 Load bearing capacity in kg
	5.4 Usable inner carcass (W x D x H)
	5.5 Door clearance dimensions (W x H)

6. Stairs

6.1 Transport by stairs?

☐ yes, _____ floor ☐ no

Note: In case of transport to buildings without a service lift and delivery above ground floor, any additional costs arising for additional personnel, equipment, load crane, etc. will be borne by the customer and will be billed separately at cost.

6.2 What kind of stairs are there on site? Please mark with a cross!

☐ Version 1

A = Stair width = _____ cm

B = Landing depth = _____ cm

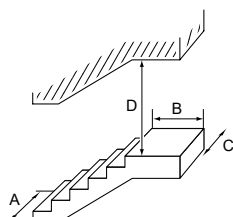
C = Landing width = _____ cm

D = Lintel height = _____ cm

No. of steps = _____

Step depth = _____ cm

Step height = _____ cm



☐ Version 2

A = Stair width = _____ cm

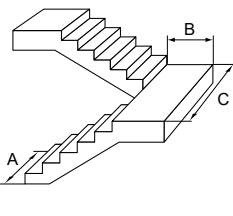
B = Landing depth = _____ cm

C = Landing width = _____ cm

No. of steps = _____

Step depth = _____ cm

Step height = _____ cm



☐ Version 3

A = Stair width = _____ cm

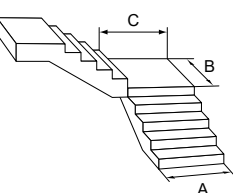
B = Landing depth = _____ cm

C = Landing width = _____ cm

No. of steps = _____

Step depth = _____ cm

Step height = _____ cm



When giving the dimensions, please consider all obstructions like banisters, radiators or similar objects!

6.3 Do all stairs along the transport route correspond to the version marked above?

☐ yes ☐ no. Differences:

6.4 Other stairs:

Description:

Sketch

Note: Delivery via a spiral staircase is only conditionally possible; please arrange with us a transport route inspection by our carrier in good time!

6.6 Number of stairs in total?

6.7 Type of stairs (e.g. concrete, wood, steel, etc.)?

To the building _____

Inside the building _____

Note: Rubber edges on steps may be damaged; we cannot accept liability for this.

6.8 Protruding edges ☐ yes _____ cm overhang ☐ no

6.9 Can each individual step be loaded with the cabinet's weight? ☐ yes ☐ no

7. Doors

7.1 How many doors are there along the transport route?

7.2 Door dimensions	Clear height [cm]	Clear width [cm]	Space available behind [m]
Door 1			
Door 2			
Door 3			
Door 4			
Door 5			

8. Requirements for the installation location/ceiling load

Please take into account the allowable ceiling/floor load at the installation location for all safety storage cabinets. In particular, the SUPREME plus XL and XXL safety cabinets for pressurised gas cylinders may not be installed without consulting a structural engineer first if the ceiling load is less than 600 kg/m².

8.1 The surface must be level and flat and be able to bear the weight of the safety cabinet when fully loaded. Is the load bearing capacity of the installation location sufficient for the weight listed above?
☐ yes ☐ no

8.2 Is the floor at the installation location free of cables and underfloor heating?
☐ yes ☐ no

Note: Furthermore, the installation location must ensure that the safety storage cabinet

- cannot be damaged by vehicles.
- is not exposed to any direct or indirect heat source.
- is protected against moisture.
- is not exposed to an operating temperature below -5 °C or above +45 °C.

The lump sum price quoted for transport is subject to the condition that the installation location (place of use) is freely accessible and it is possible to complete the transport on site. The customer assures that they are aware of the dimensions of the safety storage cabinets to be delivered and that their information regarding the conditions on site at the place of delivery is completely accurate. Any additional costs will be borne by the customer. These may arise from differences between the information given above and the actual situation on site and consequent further action necessary to be taken, such as exceeding the delivery time and/or interventions in the building fabric (widening of door openings, dismantling and reassembly of banisters, etc.) or the installation of a crane to bring the safety storage cabinet to the place requested by the customer. If the transport company refuses transport for reasons of risk and the customer nevertheless insists on installation, all of the customer's rights of recourse are cancelled should the mentioned risks materialise, unless a case of deliberate intent or gross negligence exists.

Date / Signature / Company stamp

Offering you a personal service

Intelligent technology – Great service

There is more to safety than simply buying a safety storage cabinet. This is why we offer you our certified knowledge, comprehensive service and expertise – supporting you before, during and especially after your decision to buy a DÜPERTHAL safety storage cabinet. For a reassuring feeling of having done everything within your power.

Individual advice.
Intelligent solutions.
Safety requires experts.

Your contact person – for Germany

Phone: +49 6188 9139-0

E-mail: info@dueperthal.com

Your contact person – for all other countries

Phone: +49 6188 9139-150

E-mail: info@dueperthal.com

Preventive inspections.
Sustainable maintenance.
Our service sets new standards.

Your contact person – Technical Service

Phone: +49 6188 9139-166

E-mail: service@dueperthal.com



Safety means responsibility.

DÜPERTHAL is one of the leading manufacturers of safety storage cabinets. There are good reasons for choosing DÜPERTHAL safety technology. Find out more about us and our entire product range on www.dueperthal.com.

We look forward to your call!

Mondays to Thursdays from 8.00 am to 5.00 pm
Fridays from 8.00 am to 4.00 pm

DÜPERTHAL Sicherheitstechnik GmbH & Co. KG
Frankenstrasse 3 | 63791 Karlstein | Germany

Commonly used measurements

[rounded]

Volume / Liquid measure equivalents

Containers & Drum Sizes

[ounce]	4	8	16	32	[pint]	1	[quart]	1	2	[gallon]	1	1.32	1 ½	2
[litre]	0.12	0.24	0.5	1	0.5	1	2	4	5	6	7.5			

[gallon]	2 ½	2.64	3	3 ½	4	5	6	6.6	8	10	12	15.9	30	55
[litre]	9.5	10	11	13	15	19	23	25	30	38	45	60	110	200

[inch]	¼	⅜	½	¾	1 ½	2
[mm]	6	10	13	19	38	51

Sheet Steel Sizes

[gauge steel]	24	18	16	14
[mm]	0.5	1	1.5	1.9

Weight Equivalents

[pounds]	60	132	165	350	600	1000	1500
[kg]	27	60	75	159	272	454	680

Pressure and Temperature

[psig]	3	5	[Fahrenheit]	34°	50°	59°	68°	122°	158°	165°	325°	392°
[bar]	0.2	0.35	[Celsius]	1°	10°	15°	20°	50°	70°	74°	163°	200°



Conversion Chart

Fahrenheit to Celcius:
 $(^{\circ}\text{F} - 32) \times 0.5555 = ^{\circ}\text{C}$

Inches to Millimeters:
 Multiply by 25.4

Inches to Centimeters:
 Multiply by 2.54

Feet to Meters:
 Multiply by 0.3048

Feet to Centimeters:
 Multiply by 30.48

Feet to Millimeters:
 Multiply by 304.8

Ounces to Grams:
 Multiply by 28.35

Pounds to Kilograms:
 Multiply by 0.4536

Gallons to Litres:
 Multiply by 3.785

DÜPERTHAL Sicherheitstechnik GmbH & Co. KG
Frankenstrasse 3 | 63791 Karlstein | Germany
Phone +49 6188 9139-0 | Fax +49 6188 9139-121
info@dueperthal.com | www.dueperthal.com