



FULL FACE MASKS

Protection against gases and vapours,
mists and dusts

DATA SHEET

5600

Cod. 8001083

EN 136:1998 Cl.2



Main features

BLS 5600 full face mask is characterized by a soft thermoplastic face seal, an adjustable head harness with six fast realise buckles and a panoramic visor. The inner mask (in silicone) is equipped with two inhalation valves, to reduce visor misting and assist comfort. The two lateral connections for filters are special bayonet, to be used with all the BLS 200 series filters equipped with the same bayonet connection (gas, particle and combined filters).

Materials

BLS 5600 full face mask is made of the following materials:

- Facepiece: thermoplastic rubber
- Inner mask: silicone
- Visor: polycarbonate
- Filter holder (connections): ABS
- Head harness: synthetic rubber

Weight: 570 g

200 series filters

BLS 5600 full face mask can be fitted with two BLS 200 series gas, particle and combined filters, equipped with special bayonet connection. The filters are connected directly to the lateral connections of the mask, always in pair and of the same type.

Correct usage

Exposure limits for full face masks with particle filters:

full face mask + P3 filter= 1000* x TLV

Exposure limits for full face masks with gas filters:

full face mask + gas filter= 2000* x TLV

full face mask + combined P3 filter= 1000* x TLV

* = NPF as specified in EN 529:2005 standard.

EN 136:1998 performance tests		EN 136	5600
Total inward leakage (%)		> 0,05	0,001
Breathing resistance (mbar)	inhal. 30 l/min	< 0,5	0,2
	inhal. 95 l/min	< 1,5	0,6
	inhal. 160 l/min	< 2,5	1,1
	exhal. 160 l/min	< 3,0	2,3
CO ₂ content (%)		<1,0	0,3

Certification

BLS 5600 full face mask fulfils the requirements of EN 136:1998 European Standard and it has the CE marking according to the European Directive 89/686/EEC, as a PPE of III category. Italcert Srl (Notified Body n°0426) is the responsible of the certification (Art. 10) and of the control (Art. 11.B). The products are manufactured in a company that is ISO 9001:2000 certified.

Certification tests

BLS 5600 full face mask meets the requirements of EN 136:1998 standard and has been submitted to the tests provided by class 2 of the reference standard.

• Total inward leakage

The full face mask must have a good face fitting. The total inward leakage test provides that 10 subjects carry out a series of exercises simulating the work conditions fitting the respirator. During the test, the test aerosol (Sodium chloride) is measured to see how much of aerosol passes through face seal leakage and exhalation valve leakage. Total inward leakage shall be not greater than 0,05%.

• Breathing resistance

Breathing resistance offered from the mask must not be greater than the following values: during the test with breathing machine (25 cycles/min and 2,0 l/stroke) or continuous flow 160 l/min shall not exceed 2,5 mbar for inhalation and 3,0 mbar for exhalation. The inhalation resistance shall not exceed 0,5 mbar with continuous air flow 30 l/min and 1,5 mbar with continuous air flow 95 l/min.

• Carbon dioxide

The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume).

• Visual field

A full face mask equipped with a visor must be designed to have a real visual field no lower than 70% of the natural visual field and a binocular visual field not lower than 80% of the natural binocular visual field.

Warnings

Donning and leak tightness test

After the checks necessary before use, donning the mask following the next procedure:

1) elongate the straps of the head harness as much as possible; put the harness behind the neck and put the chin into the face seal, keeping the two lower straps stretched open with the hands; 2) pull the mask over the head and adjust it on the face. Be sure that hair does not remain trapped between seal and forehead; 3) adjust the side straps, then the upper straps and finally the lower ones. Do not tight the straps excessively; 4) before entering a contaminate atmosphere, check the tightness of the mask: whilst wearing the mask, close the special lateral connections where the filter must be screwed using the palm of the hands and take a deep breath. The mask should collapse in towards the face and remain so for as long as you hold your breath. This check is necessary to ensure that the face seal is fitted correctly. If it is not, tighten the straps or adjust the mask over the face. Then repeat the check until the fit is perfect.

Cleaning and disinfecting

Take particular care of any contaminants deposited on the mask. All cleaning should take place in safe areas. Do not use abrasive substances to clean the visor. Cleaning and disinfection operations: 1) After removing mask and contaminated filter, clean under running water to remove most of the contaminants; then clean more fully by placing in boiling water (temperature not upper to 40°C) with a common neutral soap. If disinfection is required, use a solution of a common disinfectant based on active chlorine diluted in sodium chloride. 2) Dry the mask with a soft, clean cloth or make it dry naturally. 3) When dry, clean the visor with clean cotton wool.

Storage time: 10 years (factory sealed), as shown on label.

Storage conditions: temperature range -10°C e +50°C, Relative Humidity < 80%, as shown on label (pictogram of thermometer and umbrella).

For all the information about applications, limitations of use and maintenance, see the user manual enclosed to each full face mask (code ISU0016_02).

Technical Details

Visor: polycarbonate, anti-scratch and anti acid, optical class tested (EN 166).

Harness: 6 point harness regulation attached to full face mask rigid body.



K-omfort



b-lock

5000 bifilter series features ergonomic bayonet fittings, balancing mask's weight and visual field. BLS 5600, 5700 and EVO feature bayonet b-LOCK fitting.



The valves of the inner silicone rubber face seal are completely flat and ensure higher user safety.



Soft thermoplastic rubber gasket offers higher comfort for the user.

BLS 5600, BLS 5700 and EVO half mask, they all use BLS 200 series filters.

