

3.5 Removing the Device from Mask

For M1-AE:

- 1. Switch off the device by pushing the red operating button.
- 2. Unscrew handwheel and separate device from the mask.

For M1-AS, M1-AS-B and M1-ESA:

- 1. Press both operating buttons simultaneously.
- 2. Separate the device from the mask.

3.6 Removing the Device from SCBA

- 1. If necessary, uncouple medium pressure hose (not for fixed LGDV):
Push the plug-in nipple into the coupling of the medium pressure hose forcefully and pull back the coupling sleeve at the same time.

3.7 Bypass System (only for M1-AS-B LGDV)

A bypass system is available for the M1-AS-B LGDV.

It is a safety system that supplies the user with continuously flowing air independent of the lung governed demand valve. By turning the red handwheel, the bypass is opened and can be set individually.

WARNING!

When using the bypass, the compressed air consumption increases.

4 Maintenance

4.1 Maintenance Intervals

Component	Work to be performed	After use	Annually	Every 3 years	Every 10 years ¹⁾
M1 LGDV	Cleaning	X		X	
	Disinfection	X			
	Sight, function and tightness test	X	X ²⁾		
	Diaphragm replacement			X	
	Overhaul				X

- 1) For compressed air breathing apparatus that are frequently used, MSA recommends a complete overhaul after approx. 540 hours. (This corresponds to 1080 uses with a usage duration of 30 minutes.)
- 2) Visual test of diaphragm only after use in aggressive media or under extreme conditions like i. e. excessive heat; function and tightness test always.

4.2 Cleaning and Disinfection

For cleaning and disinfection, see washing instructions.

4.3 Storage

Always store positive pressure lung governed demand valves when switched off. To do this, push the red operating button.

Store the device with protective cap attached. The storage should be in a clean and dry condition at normal climate free of hazards, protected against direct sunlight and heat.

The storage room must be cool, dry, dust-free and moderately ventilated.

The optimal storage temperature is between +15 °C and 25 °C. The optimal relative humidity is below 65 %.

4.4 Malfunction

In case of malfunctions, the device must be inspected and if necessary repaired by MSA or trained service personnel.

5 Technical Data

Operating pressure	:	4 - 9 bar dynamic
Operating temperature	:	-40 °C to 60 °C
Operating gas	:	Breathing air according to EN12021 or better
Max. flow bypass (AS-B)	:	650 l/min
Transponder	:	Amplitude modulation: 13.56 MHz, 1024 bit, IP 68
		Temperature range: -40 °C up to +70 °C

6 Certification

Approvals	The device complies with the Regulation (EU) 2016/425.
	0158
EN 137	Lung governed demand valves of the M1 LGDV series are approved as components of a compressed air breathing apparatus in compliance with EN 137.
DEKRA	Dinnendahlstr. 9,44809 Bochum, Germany

The Declaration of Conformity can be found under the following link:
<https://MSAsafety.com/DoC>

6.1 Marking

For ATEX marking for use in potentially explosive atmospheres see M1 LGDV operating manual.

7 Approved System Components

Compressed air breathing apparatus - Series
M1 ATO
Full face mask - Series
3S
Ultra Elite
G1

ATO = Assemble To Order

Manual	Part Number
Operating Manual M1 LDGV	10190261
Operating Manual G1 Facepiece	10161150
Operating Manual 3S and Ultra Elite full face masks	10126346

See MSAsafety.com.