

M1 Lung Governed Demand Valve

Features and Benefits	
Improved ERGONOMICS 	<ul style="list-style-type: none"> ✓ Great freedom of movement thanks to low profile, rounded design and rotary movement supporting the natural head movements (left/right, up/down) ✓ Medium pressure hose is located close to the body to reduce risk of snagging hazards ✓ Large and well tactile operating elements (buttons) ✓ Long and short versions to accommodate various body heights or applications
Clear COMMUNICATION 	<ul style="list-style-type: none"> ✓ Significant reduction of breathing resistance and noise of the lung governed demand valve ✓ Enhanced speech intelligibility in combination with the G1 full face mask facilitates communication between firefighters
Enhanced HYGIENE 	<ul style="list-style-type: none"> ✓ Easy to clean and disinfect ✓ Simplified disassembly and assembly of components ✓ Machine washable (no disassembly required) when pressurised and using available washing adapters allowing for a continuous low airflow
Highest SAFETY STANDARDS 	<ul style="list-style-type: none"> ✓ Innovative rubber composition for increased chemical resistance ➔ BEST PROTECTION AGAINST PERMEATION (new diaphragm and medium pressure hose) covered by a unique CBRN approval ✓ Automatic stop of air supply when disconnecting the demand valve from the mask ✓ Improved cleanability enhances safety for service technicians ✓ Tested to -40°C (EN 137 requirement -30°C only)
Easy SERVICE AND MAINTENANCE 	<ul style="list-style-type: none"> ✓ All components designed for longer life ➔ 10 YEAR WARRANTY* ✓ Easy to upgrade and service without special tools (less training requirements) ✓ Fewer subassembly core parts lowering cost of ownership ✓ Reduced maintenance costs due to possible extended service intervals ✓ Easy maintenance with available maintenance and basic overhaul kits

* MSA will guarantee replacements if root cause is identified as a manufacturing/workmanship defect.



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General Product Details	
Description	Suitable to be used with breathing air according to EN 12021
EN 137	This European standard specifies minimum performance requirements for self-contained open-circuit compressed air breathing apparatus with full face mask used as respiratory protective devices, except escape apparatus and diving apparatus.
Approvals	Certified with M1 SCBA Regulation (EU) 2016/425 for category III personal protective equipment, according to EN 137:2006 Respiratory protective devices according to AS/NZS 1716:2012 Respiratory protective device according to CBRN: EN 136:1998- EN 137:2006- BS 8468-1:2006 – DIN 58610:2014
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Components and Materials	
Connector	<p>Push-to-connect: ESA (according to DIN 58600, German standard connector) AS AS-B with bypass</p> <p>Threaded version: AE (M45x3)</p>
Explanations on model designation	<p>ESA: Positive pressure, plug-in connection according to DIN 58600, suitable for ESA full face masks AS: Positive pressure, plug-in connection, suitable for PS-MaXX full face masks AS-B: Positive pressure, bypass for constant air flow suitable for PS-MaXX full face masks AE: Positive pressure, thread connection M45x3 according to DIN EN 148-3, suitable for PF full face masks</p>
Hose length	<p>Short: 550 ± 5 mm Long: 650 ± 5 mm Fix: 1570 ± 5 mm</p>
Weight	Approx. 300 g with short medium pressure hose
Diameter	Approx. 72 mm without buttons and without hose connection
Pressure range	Medium pressure 3.5 bar up to 10.0 bar
Air flow capacity	Approx. 600 l/min @ 300 bar Approx. 350 l/min @ 20 bar (constant positive pressure inside the mask)
Transponder	RFID chip read/write 13.56 MHz, I-Code SLIX memory 1024 bit, IP 68 Temperature range: -40°C up to +70°C
Overhaul	Every 10 years <i>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.)</i>

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Ordering Information and Pictures		
ESA	10207754 LGDV M1, LO-C4-L7 ESA Short 10207755 LGDV M1, LO-C4-L8 ESA Long Click here for Spare Parts Overview	
AS	10207729 LGDV M1, LO-C4-L1 AS Short 10206631 LGDV M1, LO-C4-L2 AS Long 10207730 LGDV M1, LO-C4-L3 AS Fix Click here for Spare Parts Overview	
AS-B	10207756 LGDV M1, LO-C4-L9 AS Bypass Short 10207728 LGDV M1, LO-C4-L0 AS Bypass Long Click here for Spare Parts Overview	
AE	10207751 LGDV M1, LO-C4-L4 M45x3 Short 10207752 LGDV M1, LO-C4-L5 M45x3 Long 10207753 LGDV M1, LO-C4-L6 M45x3 Fix Click here for Spare Parts Overview	

When ordering together with the M1 SCBA, please use M1 ATO (assembly to order) code.
 See [M1 SCBA Technical Datasheet](#) for details.