

M1 Self-Contained Breathing Apparatus



Your **Solution** for the
Water Utility Industry



M1 Your SCBA Platform for the future



WE KNOW WHAT'S AT STAKE.

Did you know ...? In the water utilities industry, operators are often required to enter confined spaces in order to carry out cleaning, servicing, maintenance or inspections. There is a variety of confined spaces in the water industry, such as manholes, sewers, tanks, tunnels, lift/pump stations, pipelines, wells, sludge digesters, and trenches.

In these areas, the risk of anoxia, asphyxiation, poisoning or explosion is real. Every year people die after entering these environments by underestimating the risks, and others also put themselves at risk trying to rescue them day.

ILO and OSHA estimate that worldwide, these **confined space accidents claim about 200 victims per year**. About two-thirds of the accidents resulted from hazardous atmospheric conditions in the confined space. In about 70 % of these, the hazardous condition existed prior to entry and the start of work.

Source: Health and Safety International ILO: International Labour Office; OSHA: Occupational Safety and Health Administration

When respiratory protection may be required? ensure that a risk assessment has been conducted and arrangement for a safe system of work is put in place.

The MSA M1 SCBA is a fit for purpose breathing apparatus used in COMPLIANCE/WORKING/RESCUE applications.

Advanced Technology

- G1 facepiece features '**reverse flange seal**'. In a positive air pressure environment, it pushes the inside seal back against the face = superior fit and protection.
- G1 facepiece additionally features very low breathing resistance, high field of vision, scratch resistant lens and excellent voice transmission for positive communication.

Enhanced Hygiene

- **Easy to clean** and disinfect → no difficult to reach or tight angle spots on the backplate.
- **Dust and water repellent** new harness material reduces time for mechanical cleaning.
- **Easy to disassemble** → G1 mask in less than 30 sec.

Improved Ergonomics

- New S-shape padded harness made of new materials **reduces pressure points** on shoulder.
- Hip belt and backplate design **distribute most of the weight** on the hip.

Reduced Cost of Ownership

- Pressure reducer and other parts have **less subassemblies** → easy to upgrade and service **without special tools**.
- Reduced maintenance costs due to **extended service intervals**.
- All components designed for **longer life** → **10 YEAR WARRANTY***.

Highest Safety Standards

- **Increased chemical resistance** due to innovative material composition for mask, demand valve and SCBA pneumatics → Best protection against permeation.
- **Reduced risk of snagging hazards** due to guided hoses in backplate.
- **Greater visibility** due to reflective harness elements.

MSA M1 SCBA Range

Compliance Range SCBA M1 (Utility)

- M1 SCBA Backplate with no adjustment,
- Basic harness (no padding),
- Single-cylinder strap (1 cylinder), plastic buckles,
- Classic Pneumatic configuration,
- Lung-governed demand valve holder, high pressure threaded connection with a standard manifold.
- G1 Full face Mask with PS-MaXX connection



PART NO:	Description
768610	SCBA M1 Utility Basic Backplate, Fixed Waistbelt, Basic Harness, Plastic Buckles, Classic Pneumatics, Fixed LDV, G1 PS Mask.

Mid Tier SCBA M1 (Work CL)

- M1 SCBA Backplate with hip swivel
- Advance harness (with padding)
- Twin-cylinder strap (2 cylinder)
- Plastic buckles
- Classic Pneumatic configuration
- Lung-governed demand valve holder
- Rescue line
- High pressure threaded connection with a standard manifold



PART NO:	Description
768611	SCBA M1 Work CL Basic Backplate, Swivel Waistbelt, Basic Harness, Plastic Buckles, Classic Pneumatics, Combi Gauge, Removable LDV, DV Holder, G1 PS Mask.

Cylinders and Valves

Technical Specifications for composite carbon fibre cylinders:



Liner	Aluminium Alloy		
Structure Fibre	Carbon fiber, minimum tensile strength 3.5GPa		
Outer Shell	E glass fiber, minimum tensile strength 1.0 GPa		
Content	Breathing Air Only		
Dimensions	OD: 161 mm Length: 525 mm (may be different with valve fitted)	OD: 180 mm Length: 544 mm (may be different with valve fitted)	OD: 115 mm Length: 585 mm (may be different with valve fitted)
Volume	6.8L	9.0L	4.3L (to be approved)
Weight	4.7KG	5.5KG	2.8KG
Service Year	30YR	15YR and Unlimited	15YR

PART NO:	Description	Life	Size	Approx Duration	Approx Full Weight
Cylinders					
768527	MSA 6.8L 300 Bar Carbon Fibre No Valve	30 yrs	6.8 Litre	51 mins	6.4 kgs
768613	MSA 6.8L 300 Bar Carbon Fibre w/ Straight line Gauge Valve	30 yrs	6.8 Litre	51 mins	6.4 kgs
768628	MSA 4.3L 300 Bar Carbon Fibre No Valve	15 yrs	4.3 Litre	31 mins	6.9 kgs
768638	MSA 4.3L 300 Bar Carbon Fibre w/ Straight line Gauge Valve	15 yrs	4.3 Litre	31 mins	6.9 kgs
768629	MSA 9L 300 Bar Carbon Fibre	15 yrs	9 Litre	67 mins	8.1 kgs
768639	MSA 9L 300 Bar Carbon Fibre w/ Straight line Gauge Valve	15 yrs	9 Litre	67 mins	8.1 kgs
768710	MSA 9L 300 Bar Carbon Fibre No Valve	Unlimited	9 Litre	67 mins	8.1 kgs

SCBA Accessories

Carrying Case



P/N: 9510002



P/N: 10126797

Carry Cases accommodate up to 9 litre cylinders

PART NO:	Description
9510002	Wheeled Carrying Case suitable for SCBA and up to 2 cylinders
10126797	Standard Case, suitable for SCBA and 1 cylinder

Cylinder Covers



In order to protect the high-value composite cylinders, MSA offers a protective cover of non-flammable material in forest green with reflective band.

PART NO:	Description
767982	6.8 lt - 15 year life cyl.
768010	6.8 lt - 30 year life cyl.
767983	9 lt CF - 15 year life cyl.
768011	6 lt CF - 15 year life cyl.
768012	4.3 lt CF - 15 year life cyl.

SCBA Cabinet



- Protect your investment and ensure SCBA is ready for quick use, with wall bracket and/or SCBA cabinets.
- Suits SCBA and cylinders up to 9L.
- Cabinet includes easily removed clear cover.
- Cabinet (including cover) and wall bracket sold separately.

PART NO:	Description
229390	SCBA Cabinet (wall mounted) 6.8L
767980	6/6.8l cylinder clip
767979	4.3L cylinder clip
767981	9L cylinder clip
767978	Support bracket

Note: Must purchase support bracket and cylinder clip to make a complete bracket.

Biogard™

Ecolab®



Breathing apparatus clean disinfectant – Used for AirGo, Ultra Elite Face Masks, G1/M1 breathing apparatus face masks.

- Hazards Identification
- GHS Label Element
- Product AS SOLD
- Hazard Pictograms:



PART NO:	Description
7104097	Ecolab®-Breathing apparatus clean disinfectant

MSA—The Safety Company

Our business is safety. We've been the world's leading manufacturer of high-quality safety products since 1914. To read more about MSAs history please check www.MSAafety/ourHistory. MSA products may be simple to use and maintain, but they're also highly-sophisticated devices and protective gear—the result of countless R&D hours, relentless testing and an unwavering commitment to quality that saves lives and protects millions of hard working men and women each and every day. Many of our most popular products integrate multiple combinations of electronics, mechanical systems and advanced materials to help ensure that users around the world remain protected in even the most hazardous of situations. MSA's mission is to see to it that men and women may work in safety and that they, their families and their communities may live in health throughout the world.

MSA: We Know What's At Stake.

Channel Partner Network Thermo Fisher Scientific

MSA is proud to work along side the Thermo Fisher Scientific Team who provide local coverage with regional expertise.

Weblink

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