

The M1 SCBA Twin Pack assembly enables the combination of two compressed air cylinders (each 6.8l) without the need to rely on a standard T-Piece connector. First responders in special missions where 'more air' is required will need to rely on a source for extended air. These are demanding situations where:

- ✓ A standard SCBA with a single air cylinder will not be enough to complete the mission or
- ✓ Firefighting or Rescue Missions where closed circuit breathing systems are not practical or
- ✓ Situations where the possibility of auxiliary extended air is not possible (for example airline system) or
- ✓ Countries/Regions where the use of a standard T-Piece to connect two compressed air cylinders is not allowed

MSA designed the M1 Twin Pack taking into consideration the most demanding long duration applications after hearing from firefighters in the front line.

Product Highlights

- ✓ Innovative design relies on high quality stainless steel air piping manifold
- ✓ Air cylinders are not connected by a T-Piece
- ✓ One single valve to open/close both cylinders
- ✓ Air piping manifold enables ease of handling and transport
- ✓ Safety feature Excess Flow Valve comes standard on both air cylinders
- ✓ alphaCLICK II quick coupling connector facilitates connection to the SCBA as well as speeds up refilling
- ✓ Ability to combine with several M1 SCBA configurations and maintain a weight of less than 18 kg
- ✓ Entanglement protection available by purchasing a special cylinders cover to protect against surface scratches (see ordering info)



M1 Twin Pack



M1 SCBA equipped with M1 Twin Pack



Anti Entanglement Protection (AEP) Cover

M1 Twin Pack & M1 SCBA – Technical Specifications

Approvals		
Approvals	EN 137	
Components and Material		
M1 Twin Pack Manifold	Construction	Passive high pressure air piping Stainless Steel & Brass
Air Cylinders (x2)	Luxfer Eclipse Pro 15Y	Water capacity 6.8l Dimensions: Length 520mm x Diameter 156mm
Air Cylinders Safety Valve (x2)	Safety Valve	Integrated EFV standard feature
Cylinder Valve	MSA Combination Valve	Brass
Handwheel	Twin Wing (Blue)	VTI
Cylinders Ring Holder	Construction	Stainless Steel
AEP (Cover for Cylinder Protection)	Construction	<ul style="list-style-type: none"> PVC coated orange Coating: both sides Resistance to water penetration: minimum 1500mm Tear propagation force: 246N Tensile strength: 1136N Weight: approx. 450g
M1 Backplate	Basic Optional swivel Optional swivel, height adjustment	Glass fibre reinforced polyamide, flame retardant and conducting surface
M1 Harness	Basic	Polyamide webbing coated with CR rubber, flame retardant, tear resistant and conducting surface
	Advance	Core: Flame retardant polyethylene foam padding Outer shell: Coated aramid textile, flame retardant, tear resistant and conducting with layered band made from polyamide webbing coated with CR rubber
	Attachment points (optional)	Stainless steel
M1 Cylinder Strap	Band	Aramid textile
M1 Buckles	Plastic	Glass fibre reinforced polyamide, flame retardant
	Metal	Stainless steel
Accessories	Chest strap	MAC (Modacrylic) – blended fabric with aramid
	Hose holder	Polyamide webbing coated with CR rubber, flame retardant, tear resistant and conducting surface
	Rescue handle	Aramid textile
	Bumper	TPE (thermoplastic elastomer)
Pneumatics	Pressure reducer Primary low pressure warning device Mechanical gauge Optional additional medium pressure lines for rescue operation, Classic or SingleLine, CleanConnect	
Manifold	Standard gauge (gauge, whistle, one medium pressure coupling) Combi gauge (gauge, whistle, one or two medium pressure couplings) SingleLine SCOUT (gauge, whistle, one or two medium pressure couplings, no-motion alarm) Control Module (gauge, digital display, no-motion alarm, optional telemetry)	
Demand Valve	Short or long medium pressure hose	

Pressure Range and Air Flow Capacity		
Pressure Reducer		
Air flow capacity	@300bar	Approx. 1.000 l/min
Lung-Governed Demand Valve		
Medium pressure range	Approx. 5.5 bar up to 8.5 bar	
Air flow capacity <small>(constant positive pressure inside the mask)</small>	Approx. 600 l/min @ 6.5 bar	

M1 Twin Pack & M1 SCBA – Main Components Weight

Weight	
Individual Components	
Approx. 1.3 kg	Twin Pack Manifold
Approx. 11 kg	Twin Pack Two Filled 6.8l Air Cylinders (no paint)
Approx. 0.2 kg	Twin Pack Cylinders Holder
Approx. 0.65 kg	G1 mask with net or rubber harness or
Approx. 0.72 kg	G1 mask with HMC
Approx. 0.7 kg	SLS with battery or
Approx. 0.5 kg	M1 Control Module with battery
Backplate with Harness and Pneumatics	
Approx. 4.3 kg	Backplate M1 SCBA (Swivel, Height Adjustment, Bumper), Twin Band Long Air Cylinder Strap, Advance Harness with Plastic Buckle Shoulder Adjustment, Chest Strap w/Attachment Points, alphaCLICK II Quick Connector, M1 Control Module, Classic pneumatics with front whistle (C3), Clean Connect (K2), M1 LGDV AS, Demand Valve Holder
Complete SCBA System	
Approx. 17.9 kg	Complete M1 Twin Pack with above configuration

Ordering Information

Part No.	Description
10215548	M1 Twin Pack 2x6,8l yellow
10215549	M1 Twin Pack 2x6,8l transparent
10217395	M1 Twin Pack AEP (Twin Pack Air Cylinders Cover & Entanglement Protection)