



**YOUR SCBA PLATFORM  
FOR THE FUTURE**



WHEN YOU GO IN, WE GO IN WITH YOU.

## DESIGNED TOGETHER WITH YOU

The M1 is MSA's most advanced, ergonomic and modular SCBA system – designed and developed side-by-side with firefighters.

The M1 is easy-to-use, reliable, adaptable and a good communicator. And most importantly, your health and safety is its priority.

## GREATER MODULARITY

### READY FOR THE FUTURE

- Easy, economical and future-ready field upgrade and enhancement capabilities
- Individual configuration according to your needs and budgets



Different options for high and medium pressure and cylinder connections in combination with Classic Line (CL) and SingleLine (SL)



Configurations without electronics or with integrated electronics and optional telemetry



Variety of harness and backplate combinations

- Retrofittable with



**SLS integrated Monitoring Unit**

(SingleLine, mechanical gauge, integrated PASS)



**New M1 Control Module**

(Classic Line, digital display and mechanical gauge, integrated PASS, telemetry option)



**FULLY CUSTOMISABLE**



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## NEW M1 CONTROL MODULE

- Fully integrated into the high pressure pneumatics
- Combines mechanical gauge with digital display to deliver all required information to the user just by lifting the device
- Comes with optional telemetric capability



### OPTIONAL TELEMETRY

Integrated long-range radio for electronic incident monitoring

### WIRELESS INTERFACE

NFC reader for easy documentation and personalization and Bluetooth for PC connection

### MECHANICAL GAUGE

Integrated into display giving pressure status even if battery is empty

### DISTRESS BUTTON

For manual alarm

### FULL COLOUR DISPLAY

Easily reads all information needed due to 20° angled face

### USER-FRIENDLY BATTERY

Clear battery state indication and easy charging with magnetic clip

### SOUND CHAMBER

Different sound patterns for pressure related warnings and full alarm

### ULTRA BRIGHT BUDDY LIGHTS

Activated with alarm

### ELECTRONICAL PRESSURE SENSOR

Automatic activation with cylinder opening

### AUTOMATIC GAUGE LIGHTING

Indicates pressure state (green, yellow, red) when device is lifted and when passing a pressure threshold

### OPTIONAL SAFETY KEY

Activation of motion detection and Rapid Intervention Team support

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## ENHANCED HYGIENE

- Dust and water-repellent harness material reduces time for mechanical cleaning
- No hard to reach areas on backplate
- Simplified disassembly and assembly of components
- Entire SCBA is machine washable (no disassembly required)



EASIER TO CLEAN

## IMPROVED ERGONOMICS

- Backplate with unique one-handed height adjustment
- Unique padded harness design with S-shape prevents pressure points and slipping
- Hip belt designed for even weight distribution
- Lightest SCBA with height adjustment on the market (less than 4 kilos)



BETTER BALANCE  
AND COMFORT

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## EASY MAINTENANCE

- All components designed for longer life (10 year warranty\*)  
*\*MSA will guarantee replacements if root cause is identified as a manufacturing/workmanship defect*
- Reduced maintenance costs due to extended service intervals
- Easy to upgrade and service without special tools  
(Pressure reducer and other parts have less subassemblies)



**REDUCED COST-OF-OWNERSHIP**

## HIGHEST SAFETY STANDARDS

- Innovative material composition for mask, demand valve and SCBA pneumatics for increased chemical resistance
- Rescue line with patented CleanConnect cleans the coupling with medium pressure
- Improved cleanability enhances safety for service technicians
- Reduced risk of snagging hazards with guided hoses in backplate
- Reflective harness elements for greater visibility in dark or smoke-filled environments
- CBRN tested according to standard BS 8468-1



**EXCEEDS TOUGHEST REQUIREMENTS OF  
LOCAL STANDARDS AND REGULATIONS**

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## PERFECT INTEGRATION OF G1 MASK



### COMPLETE RELIABILITY AND ENHANCED COMFORT

- Broad sealing line for ultimate tightness and comfort
- Optimised balance point and greater freedom for head movement
- Low inhalation and exhalation resistance
- Perfect fit with 3 sizes for face blank and inner mask



### UNDISTRACTED VIEW

- Flat lens design prevents optical refractions and reflections
- Optimised airflow continuously flushes the lens to avoid fogging



### EXCELLENT VOICE TRANSMISSION

- Ideal position of speech diaphragm for high quality voice transmission



### MAINTENANCE MADE EASY

- Acoustic and feel feedback when fitting major components
- Reduced time for typical maintenance procedures and preparation for safe cleaning
- Disassembly in less than 30 seconds
- Significantly tougher lens for increased protection when cleaning and disinfecting

## NEW G1 COMMUNICATION MODULE



### STATE-OF-THE-ART COMMUNICATION

- C1 headset easily attaches to the outside of the G1 mask, integrating seamlessly with the mask design
- Microphone design protects against surrounding sound (no transmission of unwanted noise)
- Single interchangeable C1 headset between users provides lower cost-of-ownership
- Standard Nexus 4 plug to connect to PTT or PTT/RSM incl. MSA HandyCom



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## NEW G1 COMMUNICATION MODULE

Excellent voice transmission and easy interchangeability between users

## SOPHISTICATED DEMAND VALVE

Redesigned core with rubber diaphragm and rubber intermediate pressure hose to reduce risk of permeation

## STATE-OF-THE-ART HARNESSES

Easy to clean material, ergonomic and comfortable design and reflective edges for greater visibility

## PATENTED CLEANGCONNECT

Rescue line with flush function increases safety by cleaning the coupling with medium pressure

## UNIQUE BACKPLATE

Ergonomic design, one-handed height adjustment and easy to remove pneumatics

## ADVANCED HIP BELT

Swivelling design to follow body movement and provide an even weight distribution

## NEW ALPHACLICK II

Optional high pressure quick connect saves 90% of time needed for cylinder exchange





# YOUR SCBA PLATFORM FOR THE FUTURE



- ✓ Greater modularity
- ✓ Future-ready field upgrade
- ✓ Enhanced hygiene
- ✓ Improved ergonomics and comfort
- ✓ Reduced cost-of-ownership
- ✓ Highest safety standards
- ✓ State-of-the-art communication



## TECHNICAL SPECIFICATIONS

Approvals	EN 137
Antistatic Properties	ATEX II 1G IIC T6  II 1D IIIC -30°C ≤ Ta ≤ +60°C
Weight*	
G1 mask	640 g
Backplate with pneumatics and demand valve	3.6 kg
Backplate with pneumatics, demand valve, G1 mask and charged 6.8 l cylinder	11 kg
Cylinder	one or two
Operating Pressure	300 bar
Extended Operating Temperature	-40°C to +60°C

\* Weight varies per configuration

## ORDERING INFORMATION

The M1 SCBA System is fully customisable and can be enhanced or upgraded in the field at any time. For your individual configuration please check our M1 product configurator at <https://MSAsafety.com/M1> or contact your local MSA channel partner.

## CHANGE THE WAY YOU THINK ABOUT BREATHING APPARATUS

Don't miss our panel discussion exploring future proofing breathing apparatus and improving the lives of fire service personnel: <https://msasafety.com/fire-service-panel>

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