



Supplied Air Respirators
Air Purifying Respirators



MSA has you covered for all your Respiratory needs. From state of the art SCBA equipment to Air Purifying Respirators, you can rely on MSA to supply you with everything you need.

MSA's Self-Contained Breathing Apparatus (SCBA) systems are designed for long life and low maintenance. To meet every application and budget our SCBA's can be configured according to individual requirements.

Toxic materials can enter the body in many ways, and the respiratory system presents the quickest and most direct avenue of entry.

In Air Purifying Respirators the inhaled air is drawn through a filtering media which removes the nominated contaminants.

MSA's range of respirators provides various styles for wearer comfort, while a broad selection of filters ensures protection for most hazards.

*Because every life has a **purpose...***

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



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

FULL COLOUR DISPLAY

Easily reads all information needed due to 20° angled face

SOUND CHAMBER

Different sound patterns for pressure related warnings and full 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

DISTRESS BUTTON

For manual alarm

USER-FRIENDLY BATTERY

Clear battery state indication and easy charging with magnetic clip

ULTRA BRIGHT BUDDY LIGHTS

Activated with alarm

OPTIONAL SAFETY KEY

Activation of motion detection and Rapid Intervention Team support

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

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

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 C1 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



M1 YOUR SCBA PLATFORM FOR THE FUTURE

NEW

C1 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 HARNESS

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

PATENTED CLEANCONNECT

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



M1 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	COMPLIES TO AS/NZS 1716:2012
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>

MSA M1 SCBA Range



- M1 SCBA Backplate with hip swivel and adjustable height
- Advance harness (with padding)
- Rescue Handle
- Twin-cylinder strap (2 cylinder)
- Metal buckles
- Chest straps & attachment points
- Single Line Pneumatic configuration
- Lung-governed demand valve holder
- Combi gauge
- High pressure threaded connection with standard manifold

Standard Package SCBA-M1-FI-C4-BNA-DB							
Backplate	Harness	Hip Belt	Cylinder strap Buckles	Pneumatics	Manifold	Additional Connection	Demand Valve
Standard Glass fibre reinforced polyamid, flame retardant and conducting surface with thermoplastic elastomer (TPE) bottom bumper	Basic Polyamid webbing coated with CR rubber, flame retardant, tear resistant and conducting surface with plastic buckles	Basic Aramid textile with demand valve holder for storage of LGDV	Basic Aramid textile with plastic buckles	Classic Pneumatics PR18 pressure reducer, DIN477 connector with primary low pressure warning device with classic line hose configuration	Classic Gauge (bar)	—	Fixed long medium pressure hose with Push to Connect (AS) connection

Essential Package SCBA-M1-RE-C4-BSO-DB							
Backplate	Harness	Hip Belt	Cylinder strap Buckles	Pneumatics	Manifold	Additional Connection	Demand Valve
Standard Glass fibre reinforced polyamid, flame retardant and conducting surface with thermoplastic elastomer (TPE) bottom bumper	Advance Flame retardant polyethylen foam padding with coated aramid textile, flame retardant, tear resistant and conducting with layered band made from polyamid webbing coated with CR rubber with metal buckles	Advance Swiveling waist belt build with Flame retardant polyethylen foam padding with coated aramid textile, flame retardant, tear resistant and conducting with layered band made from polyamid webbing coated with CR rubber. Demand valve holder for storage of LGDV	Advance Aramid textile with metal buckles	Single Line Pneumatics PR18 pressure reducer, DIN477 connector with Single Line hose configuration	Standard gauge (bar), manifold with gauge, whistle and one medium pressure coupling	Medium pressure rescue line with flush function	Removable medium pressure hose with Push to Connect (AS) connection

Premium Package SCBA-M1-RE-C4-BSH-BR							
Backplate	Harness	Hip Belt	Cylinder strap Buckles	Pneumatics	Manifold	Additional Connection	Demand Valve
Basic Glass fibre reinforced polyamid, flame retardant, conducting surface with thermoplastic elastomer (TPE) bottom bumper and aramid textile rescue handle	Advance Flame retardant polyethylen foam padding with coated aramid textile, flame retardant, tear resistant and conducting with layered band made from polyamid webbing coated with CR rubber with metal buckles. Modacryl (MAC) chest strap.	Advance Swiveling waist belt, with height adjustment. Built with Flame retardant polyethylen foam padding with coated aramid textile, flame retardant, tear resistant and conducting with layered band made from polyamid webbing coated with CR rubber. Demand valve holder for storage of LGDV	Advance Aramid textile with metal buckles	Single Line Pneumatics PR18 pressure reducer, DIN477 connector with Single Line hose configuration	Standard gauge (bar), manifold with gauge, whistle and one medium pressure coupling	Medium pressure rescue line with flush function	Removable medium pressure hose with Push to Connect (AS) connection

MSA M1 SCBA - Japan Market Exclusive

Standard Package - 10211655								
ATO	Backplate	Harness	Hip Belt	Cylinder strap Buckles	Pneumatics	Manifold	Additional Connection	Demand Valve
FI-C4-BNA-DN-SP-BP-GN-C1-IN-JG-KN-L3-MN-NN-JP-PN	Standard Glass fibre reinforced polyamid, flame retardant and conducting surface	Basic Polyamid webbing coated with CR rubber, flame retardant, tear resistant and conducting surface with plastic buckles	Basic Aramid textile	Basic Aramid textile with plastic buckles	Classic Pneumatics PR18 pressure reducer, JIS connector with primary low pressure warning device with classic line hose configuration	Classic Gauge (MPa)	-	Fixed long medium pressure hose with Push to Connect (AS) connection

Essential Package - 10211654								
ATO	Backplate	Harness	Hip Belt	Cylinder strap Buckles	Pneumatics	Manifold	Additional Connection	Demand Valve
RE-C4-BSH-DB-SM-AP-GN-SL-IN-J2-KN-L1-HS-NN-JP-PN	Standard Glass fibre reinforced polyamid, flame retardant, conducting surface with thermoplastic elastomer (TPE) bottom bumper	Advance Flame retardant polyethylen foam padding with coated aramid textile, flame retardant, tear resistant and conducting with layered band made from polyamid webbing coated with CR rubber with plastic buckles. Modacryl (MAC) chest strap.	Advance Swiveling waist belt, with height adjustment. Built with Flame retardant polyethylen foam padding with coated aramid textile, flame retardant, tear resistant and conducting with layered band made from polyamid webbing coated with CR rubber. Demand valve holder for storage of LGDV	Advance Aramid textile with plastic buckles	Single Line Pneumatics PR18 pressure reducer, JIS connector with Single Line hose configuration	Combi gauge (MPa), manifold with gauge, whistle and two medium pressure coupling	-	Removable medium pressure hose with Push to Connect (AS) connection

Premium Package 1 - 10211652								
ATO	Backplate	Harness	Hip Belt	Cylinder strap Buckles	Pneumatics	Manifold	Additional Connection	Demand Valve
RE-C4-BSH-BR-SM-AM-GA-SL-IN-J1-K1-L9-HS-NN-JP-PN	Standard Glass fibre reinforced polyamid, flame retardant, conducting surface with thermoplastic elastomer (TPE) bottom bumper and aramid textile rescue handle	Advance Flame retardant polyethylen foam padding with coated aramid textile, flame retardant, tear resistant and conducting with layered band made from polyamid webbing coated with CR rubber with metal buckles. Modacryl (MAC) chest strap.	Advance Swiveling waist belt, with height adjustment. Built with Flame retardant polyethylen foam padding with coated aramid textile, flame retardant, tear resistant and conducting with layered band made from polyamid webbing coated with CR rubber. Demand valve holder for storage of LGDV	Advance Aramid textile with metal	Single Line Pneumatics PR18 pressure reducer, JIS connector with Single Line hose configuration	Standard gauge (MPa) and one medium pressure coupling	Medium pressure rescue line	Removable medium pressure hose with Push to Connect (AS) connection with Bypass valve

Premium Package 2 - 10211653								
ATO	Backplate	Harness	Hip Belt	Cylinder strap Buckles	Pneumatics	Manifold	Additional Connection	Demand Valve
RE-C4-BSH-BR-SM-AM-GA-SL-IA-J1-K1-L1-HS-NN-JP-PN	Standard Glass fibre reinforced polyamid, flame retardant, conducting surface with thermoplastic elastomer (TPE) bottom bumper and aramid textile rescue handle	Advance Flame retardant polyethylen foam padding with coated aramid textile, flame retardant, tear resistant and conducting with layered band made from polyamid webbing coated with CR rubber with metal buckles. Modacryl (MAC) chest strap	Advance Swiveling waist belt, with height adjustment. Built with Flame retardant polyethylen foam padding with coated aramid textile, flame retardant, tear resistant and conducting with layered band made from polyamid webbing coated with CR rubber. Demand valve holder for storage of LGDV	Advance Aramid textile with metal buckles	Single Line Pneumatics PR18 pressure reducer, alphaClick connector with Single Line hose configuration	Standard gauge (MPa) and one medium pressure coupling	Medium pressure rescue line	Removable medium pressure hose with Push to Connect (AS) connection

Contact your local MSA Representative for ordering information.

Supplied **Air Respirators**

G1 SCBA

Introducing the **MSA G1 SCBA**: The most comfortable, streamlined, balanced, configurable and customisable SCBA MSA's ever produced.



Optional Head-Up-Display

- LEDs, located in demand valve, display pressure, system and alarm status unobtrusively and without work interruption
- Signals delivered through the line to the demand valve and continue to the inside of the mask through light pipes
- Cost intensive electronics are kept out of the mask, which reduces its price and makes cleaning easier
- The entire team has access to top-grade technology, while each firefighter can still maintain his or her own personal mask for added hygiene.



State of the Art Harness

- Comfortable padding
- Extremely robust cover fabric to withstand repeated exposure to flame and heat (EN approved)
- Robust adjustment buckles made from cast steel
- Protection tunnels for lines with reflective features
- Integrated stand-by support for demand valve



Control Module

- Combined digital and analog pressure reading
- Intuitive interface displays essential information by default allowing the user to concentrate on his job
- Other data is available with a touch of a button



Low Profile Face Mask

- Open port technology for free breathing when in stand-by (demand valve not attached)
- Huge field of vision for unobstructed view
- Low profile for less snagging and improved weight distribution
- Independent of electronic options to minimize costs for individual mask ownership and up keep
- All components easily accessible and interchangeable for easy maintenance and cleaning
- Available in 3 sizes
- Choice of classic rubber or modern fabric harness



Optional Voice Projection Speaker

- Integrated microphone picks up voice inside the mask independent of environmental conditions
- High volume and speech intelligibility
- Improves team and training communication



Central Processing Module

- Centrally processes all data on the SCBA: motion detection, data distribution to HUD, control module, voice speaker
- Piezo alarm sounders project in all directions
- Built-in RFID reader to log on with personal tag, team assignment or pairing information

Single Power Supply

- All components powered with a single power supply
- Simplified battery monitoring and exchanging
- Greater system reliability

Long-Range Radio

- Industry-leading telemetry with proven track record
- Low impact monitoring with high accountability
- Operates with alphaBASE and alphaCONTROL 2



Advanced Hip Belt Features

- Swivelling to follow body movement
- Easy to use and robust height adjustment to accommodate different torso lengths



Buddy Breather 2nd Connection

- Allows connection to fellow firefighter in case of emergency
- Y-piece connector enables donation of air without breaking recipient's air supply
- Allows for easy connection to airline system
- 1.2 m medium pressure line in pouch on hip



Optional QuickFill Connection

- Direct high pressure connection for fast cylinder refill while donned

G1



The G1 fire service SCBA was designed to integrate all modern SCBA features into a compact and easy-to-operate device. The single power supply drives alarm system and user interface, telemetry radio module, head-up-display (HUD) and voice amplifier. The display provides full benefit without distraction by always displaying exclusive information which is relevant in the given situation.

All G1 versions include swivelling and adjustable hip belt, electronic control unit, telemetry module, lung governed demand valve and buddy breather 2nd connection. The G1 SCBA works exclusively with the G1 mask (please see page 18).

EN 137: 2006, type 2

PART NO:	Description
10160443	G1 SCBA with demand valve, telemetry
10160444	G1 SCBA with demand valve, telemetry, alphaCLICK
10160445	G1 SCBA with demand valve, telemetry, alphaCLICK, HUD
10160436	G1 SCBA with demand valve, telemetry, alphaCLICK, HUD, voice amplifier
10160437	G1 SCBA with demand valve, telemetry, HUD
10160438	G1 SCBA with demand valve, telemetry, HUD, voice amplifier

Other configurations are available on request.

Breathing Apparatus

AirHawk® II Industrial Air Mask



Lightweight, durable and economical, this SCBA is ideal for a variety of industrial-hazard applications. Choose from a variety of options for many of the system's major components including: facepiece; mask-mounted regulator; carrier and harness assembly; cylinder; and end-of-service-time indicator (EOSTI).

Features & Benefits

- Lightweight, durable, economical SCBA
- Pressure-demand maintains positive air pressure inside facepiece
- Choice of Ultra Elite or Advantage 4000 Facepiece
- Ergonomic carrier and harness assembly for comfortable, stable wear
- Detachable components for easy maintenance
- Easy-release friction buckles

	Hard Case	No Case	Facepiece	Harness Carrier	Cylinder
AIRHAWK II SCBA LOW-PRESSURE (2216 PSIG)	10095800	10095801	Ultra Elite, medium hycar, rubber head harness	Nylon with chest strap	30-min aluminum
	10095802	10095803	Ultra Elite, medium hycar, Speed-ON Head Harness	Nylon with chest strap	30-min carbon
	10095804	CALL	Adv 4000, medium hycar, polyester net head harness	Nylon with chest strap	30-min aluminum
	CALL	10095805	Adv 4000, medium hycar, rubber head harness	Nylon without chest strap	30-min aluminum
	10095806	10095807	Adv 4000, medium hycar, polyester net head harness	Nylon with chest strap	30-min carbon
	CALL	10116783	No facepiece	Nylon with chest strap	No cylinder
AIRHAWK II SCBA HIGH-PRESSURE (4500 PSIG)	10116452	CALL	Ultra Elite, medium hycar, Speed-ON Head Harness	Kevlar with chest strap	45-min carbon low profile
	10116453	CALL	Adv 4000, medium hycar, polyester net head harness	Nylon with chest strap	45-min carbon low profile
	CALL	10116454	Adv 4000, medium hycar, polyester net head harness	Nylon without chest strap	45-min carbon
	CALL	10116781	Adv 4000, medium hycar, rubber head harness	Nylon without chest strap	30-min carbon
	CALL	10116782	No facepiece	Nylon with chest strap	No cylinder

G1 Industrial SCBA

This self-contained breathing apparatus (SCBA) contains many unique design features, and is built to reduce stress and fatigue while improving safety and performance.

G1 Facepiece

Lightweight & Low-Profile

- 1 Enhance situational awareness and visibility through a wide field of view.
- 2 Prevent potential cross-contamination when units are shared through unique mask design, which restricts exhaled air from entering the mask-mounted regulator.
- 3 Open port design allows for lower breathing resistance both on and off air with the goal of reducing fatigue.
- 4 Enable short-range communication with mechanical speaking diaphragm.
- 5 Meet a variety of user needs with head harness options available in Kevlar, rubber, or polyester.

G1 Carrier and Harness Assembly

Customized Comfort & Fit

- 6 Clean quickly with easy-to-remove soft goods.
- 7 Improve harness durability in tough environments with nanosphere-coated webbing to improve resistance to water and chemical exposure.
- 8 Increase comfort with optional shoulder pads and lumbar support to help reduce fatigue.
- 9 Improve ease of donning through shoulder pad placement to reduce twisting and increase comfort.
- 10 Choose either nylon or Kevlar harness components and cylinder bands to meet the needs of your work environment.



Options



Cylinders

Multiple Options

- Choose from two different low-pressure (2216 psig), 30-minute-rated cylinders; or
- Four high-pressure (4500 psig) carbon-wrapped cylinders in 30-, 45- or 60-minute durations.



Cylinder Connection

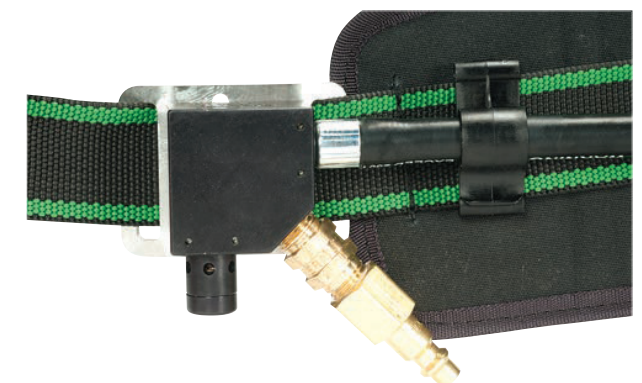
Choose from a quick-connect cylinder attachment for easy change out, or standard threaded connection.

The color-coded band on first stage reducer provides an at-glance indicator as to whether the system is high- or low-pressure.



Shoulder-mounted Quick-Fill® System EBS Accessory

This optional connection allows for SCBA cylinder refill from a mobile compressor or cascade system. It also allows transfilling between two SCBA wearers, providing an emergency breathing system in IDLH atmospheres.



Air-Line Attachment

The optional air-line attachment creates a second port for air-line connection to an independent air source, such as an air compressor or cascade system, to conserve cylinder air for emergency escape.

G1 Full Face Mask for G1 SCBA



The G1 full face mask excels in outstanding wearing comfort, low profile and low maintenance requirement. In stand-by, the open port technology offers unrestricted breathing. No electronic components reside on the mask to reduce the overall investment.

The G1 mask comes with a choice of either a classic rubber or a modern fabric harness.

The MSA G1 Full Face Mask is a positive pressure face piece providing respiratory protection for firefighters and industrial first responders and is backward compatible with the AirGo and AirMaXX SCBA family.

Variety of Connectors

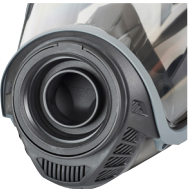
- Positioned in an ergonomic and intuitive position in front of the user's mouth.
- One mask – multiple connector options

EN 136, class 3

PART NO:	Description
10156458	G1 full face mask, size S, net harness
10156459	G1 full face mask, size M, net harness
10156460	G1 full face mask, size L, net harness
10156461	G1 full face mask, size S, rubber harness
10156462	G1 full face mask, size M, rubber harness
10156463	G1 full face mask, size L, rubber harness

The listed configurations can only be used with the G1 SCBA.

G1 Full Face Mask for M1 SCBA



PS-MaXX
Push to connect



M45x3
Screw to connect



ESA unified
Push to connect



G1 - Push to connect
with open port

	Rubber Harness	Net Harness	Helmet-Mask Combination
G1 full face mask PS-MaXX, Size M	G1FP-EM1ME0P	G1FP-EM1M40P	G1FP-HM1MH0P
G1 full face mask PF (M45 x 3), Size M	G1FP-EM1ME0M	G1FP-EM1M40M	G1FP-HM1MH0M
G1 full face mask PS-ESA, Size M	G1FP-EM1ME0E	G1FP-EM1M40E	G1FP-HM1MH0E

The G1 mask is available in a variety of options. All masks mentioned above have a Polycarbonate lens w/o coating - neck strap not included. For further configurations, please contact your local channel partner.

G1 Facepiece for G1 Industrial SCBA



PART NO:	Description
10188954	G1 Facepiece, small, 4-pt. polyester head harness
10188955	G1 Facepiece, medium, 4-pt. polyester head harness
10188956	G1 Facepiece, large, 4-pt. polyester head harness
10156461	G1 Facepiece, small, rubber head harness
10156462	G1 Facepiece, medium, rubber head harness
10156463	G1 Facepiece, large, rubber head harness
10156458	G1 Facepiece, small, 4-pt. Kevlar head harness
10156459	G1 Facepiece, medium, 4-pt. Kevlar head harness
10156460	G1 Facepiece, large, 4-pt. Kevlar head harness

G1 Accessories



P/N 10067469

P/N 10144231-SP



PART NO:	Description
10144230	G1 full face mask, size S, net harness
10144231"SP	G1 full face mask, size M, net harness
496081	Type H filter, 6 pack
10160594	GME P100 canister
10067469	OV/P100 canister
805078	Quick Chek® III fit test adapter
10052744	Single case for SCBA supplied with LP30, HP45, HP 60 and low-profile cylinders only
10052745	Single case for SCBA supplied with H30 cylinders only

Ordering Information

G1 Industrial SCBA

PART NO:	Description
A-G1IN1501E1C1AAG1	G1 OffShore (NEW) - Basic
A-G1IN3501K1C1AAG1	G1 OffShore (NEW) - Intermediate
A-G1IN1401E1A1AAG1	G1 INDUSTRIAL 1 (NEW)-Comfort (added padding)
A-G1IN1101E1A1AAG0	G1 INDUSTRIAL 2 (NEW) - Standby/ Compliance Set
A-G1IN3501L1C1AAG1	G1 OffShore (NEW) - High

Cylinders & Upgrade Kits

PART NO:	Description
10188527	G1 Direct Connect Cylinder Valve Replacement Kit, 2216 PSIG, threaded connection
10188529	G1 Direct Connect Cylinder Valve Replacement Kit, 4500 PSIG, threaded connection
10149701"SP	Quick-Connect adapter, 2216 PSIG
10149702"SP	Quick-Connect adapter, 4500 PSIG
10183006	2216 PSIG, 30-min., low-pressure aluminum cylinder, threaded connection
10183005	2216 PSIG, 30-min., low-pressure carbon cylinder, threaded connection
10183007	4500 PSIG, 30-min., high-pressure carbon cylinder, threaded connection
10183008	4500 PSIG, 45-min., high-pressure carbon cylinder, threaded connection
10183009	4500 PSIG, 45-min., high-pressure, low-pro le carbon cylinder, threaded connection
10183010	4500 PSIG, 60-min., high-pressure carbon cylinder, threaded connection

AirXpress 2 Fire



The MSA AirXpress 2 Fire meets the high level EN 137, Type II requirements for the fire service market and a variety of related applications. It's rugged and reliable with customizable configurations depending on your needs. This SCBA boasts a new, modern design with an easy-to-maintain construction for a low cost of ownership.

Features & Benefits

- Customizable configurations serve various applications
- Rugged and reliable – EN 137 approval
- Simplicity – ease of use and maintenance (no electronics)
- Ergonomic backplate design
- AX demand valve provides increased flow rate and better maintained pressure
- State-of-the-art pressure reducer requires only minimal maintenance
- Warning signal for added safety
- Harness zippers for easy switching of pressure gauge and demand valve
- Chest strap prevents any slipping of shoulder harness
- Demand valve with Plug & Breathe connection for automatic activation at first breath and automatic switch-off at disconnect
- Pressure gauge with rubber cap for increased protection against shock and impact

PART NO:	Description
10170341	Basic unit, AirXpress 2 Fire, BD backplate, with second connector
10166588	Basic unit, AirXpress 2 Fire, BD backplate, with second connector, 2 couplings
3490006	Ultra Elite Mask, PS-MaXX full face mask, rubber head harness, Asian, Cylinder, 9 l/300 bar, 15 years, empty
10168087	MSA Cylinder Unit, 6.8L, BTIC EN w/ Gauge
10162332	6.8L Cylinder Unit, EN, BTIC EN, w/o Gauge and Bag
10126797	Carrying Case, SCBA, Standard

Cylinders



Composite Cylinder



Steel Cylinder

MSA steel and composite compressed air cylinders meet a wide range of applications. Composite cylinders are 50% lighter than the traditional economic steel construction. MSA offers cylinder versions with 200 and 300 bar service pressure and 2 to 9 litre capacity. Additional safety is provided by a full choice of valve options such as integrated gauge, ratchet hand wheel to prevent unintended closing and flow restrictor in case of valve breakage. MSA cylinders can be ordered empty or charged and are equipped with cylindrical thread M18 x 1.5. The valves are approved according to EN 144.

Cylinder Covers



eXXtreme Cover



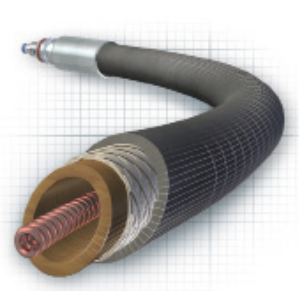
Basic Cover

Our protective covers made of non-flammable material meet all basic needs for the protection of your high-value composite cylinders. Beside the basic protection, the eXXtreme protective cover offers improved carrying comfort and perfect visibility and durability, also for hot trainings.

PART NO:	Description
10155096	Cylinder cover eXXtreme, 6-6.9 l, black
10155097	Cylinder cover Basic, 6-6.9 l, black
10155098	Cylinder cover Basic, 6-6.9 l, signal yellow

SCBA Options & Accessories

alpha SL



The alpha pneumatic system is based on the acclaimed SingleLine (SL) air management system. alpha SL supplies the demand valve, gauge, warning signal, second connection and "QuickFill", through the use of just one single visible hose. Part of the secret behind this system is the patented hose-in-hose technology. The high-pressure line runs inside the medium pressure line. With alpha SL and a state-of-the-art pressure reducer weight and maintenance requirements are minimised. You can order your next MSA breathing apparatus with SL system or you simply upgrade your existing MSA breathing apparatus.

EN 137

PART NO:	Description
10065798	alpha SL Upgrade kit (pressure reducer, manifold and SingleLine in exchange for your old SCBA pneumatics)
10065799	alpha SL-Q Upgrade kit (pressure reducer with QuickFill, manifold and SingleLine in exchange for your old SCBA pneumatics)

alphaCLICK 2



With the alphaCLICK rapid cylinder exchange coupling, you can say goodbye to cumbersome threading. Simply snap the cylinder onto the pressure reducer and you're done. The alphaCLICK lets you change cylinders ten times faster than threading methods, while also improving on safety.

EN 137

PART NO:	Description
10075278	alphaCLICK cylinder adapter 200/300 bar (set of 5)

Several upgrade sets and workshop solutions are available.

RFID Transponder Holder Rings for Cylinders



The holders on the neck of the cylinder contain a transponder to facilitate the administration of your cylinders, e.g. with our TecBOS.Tech software. You can easily keep track on conditions of all your devices and their service intervals.

Certified as SCBA accessory according to EN 137

PART NO:	Description
10146101	RFID holder rings for Ø 26-30 mm, for steel cylinders (pack of 10)
10128846	RFID holder rings for Ø 34-40 mm, for composite cylinders (pack of 10)

T-Pieces



T-piece 156/300 bar



T-piece 115/200 bar

The T-piece offers the opportunity to increase the duration of your SCBA by using two cylinders at the same time. It can be easily mounted on the pressure reducer on the backplate and comes with two screw wheels.

PART NO:	Description
D4075818	T-piece 156/300 bar, for 2x 6/6.8l composite cylinders
D4085817	T-piece 115/200 bar, for 2x 4l steel cylinders

Storage Solutions



Standard Carrying Case



Universal Carrying Bag



Wall Box Type A

With our storage solutions you can keep your equipment clean and ready for use. The standard hard-cover case fulfills all important basic needs to protect your equipment during transport and storage. The premium case offers comfortable rolls and a larger storage room. The textile bag can cover small SCBAs like the PremAire Combination.

PART NO:	Description
10126797	Carrying case for SCBA with one cylinder, standard
10049021	Carrying case for all SCBA with one or two cylinders, premium
10049626	Universal carrying bag
D4080801	Wall box type A, standard SCBA with one cylinder (1 cylinder clamp)
D4074992	Wall box type B, two small SCBA with one small cylinder (2 hooks)
D4074994	Wall box type C, two small SCBA with one small cylinder (1 hook)
D4074877	Wall box type D, standard SCBA with one cylinder (1 rubber strap)

Rescue Sets



RespiHood

The rescue sets and the RespiHood are designed for rescuing people from hazardous areas.

PART NO:	Description
10045764	RespiHood
10040152	Rescue set in pouch

Rescue Handle for SCBA



Our upgrade handle not only makes it easy to transport the SCBA. In an emergency, the helper can also quickly and safely grasp the SCBA at the most resilient part to pull the colleague to safety in an ergonomic position.

Certified for AirMaXX and AirGo Series as accessory according to EN 137 and ATEX



PART NO:	Description
10152624	Rescue handle for SCBA (pack of 4)

motionSCOUT



The next generation of standalone personal alert safety systems motionSCOUT detects the cessation of bodily movement and activates an automatic alarm. For enhanced safety the alarm can be activated manually as well. With highly visible LEDs and an alarm volume of at least 95 dB it helps to locate the person in danger.

The sensitive, electronic motion sensor recognises all normal body movements. A bi-colour LED clearly shows the readiness of the unit. Maintenance-free and durable (IP 67) it guarantees a great cost-performance-ratio. motionSCOUT is extremely simple to use and can be easily affixed to the shoulder strap or hip belt. An easy-to-use key version (switch ON by pulling out the key), a version with manual alarm reset function, as well as an optional temperature sensor are available.

EMC: 2004/108/EC, EN 61000-6-2:2006, EN 61000-6-3:2007
ATEX® II 1G Ex ia IIC T3/T4 Ga

PART NO:	Description
10088031	motionSCOUT
10088032	motionSCOUT K (key version)
10088033	motionSCOUT T (with temperature sensor)
10088034	motionSCOUT K-T (key version with temperature sensor)
10088478	motionSCOUT K-T-R (key version with temperature sensor and manual alarm set)

The version "manual alarm reset" is available upon request for all versions above

Bag for Rapid Intervention Team



The Bag for Rapid Intervention Team serves to provide air to persons caught in hazardous environments

PART NO:	Description
10103749	Bag for Rapid Intervention Team
10104597	Bag for Rapid Intervention Team, SL long
10104598	Bag for Rapid Intervention Team SL-Q

C1 Communication Module

NEW



- 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



HandyCom PTT Microphone Speakers



With the HandyCom PTT you can experience the clearest speech intelligibility in combination with intuitive use. It is designed for durable and trouble-free operation under extreme environmental conditions, such as flame and heat exposure or the influence of water (IP67) – ideal for firefighters, police, and industry.

The HandyCom PTT is optimally suited for use in a digital radio network (e.g. TETRA). The NEXUS plug connection makes it compatible with various headsets and offers perfect synchronisation with the Ultra Elite ComKit.

PART NO:	Description
10157059	HandyCom PTT for Motorola digital (MTP850 FuG, etc.)
10157058	HandyCom PTT for Sepura digital (STP 9000, etc.)

Please contact your local MSA affiliate or distributor for a full list of available radio connections

Software and Test Benches

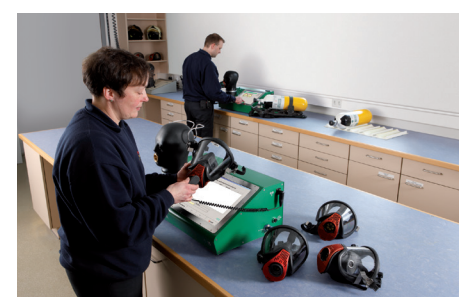
TecBOS.Tech 2

TecBOS.Tech supports numerous types of workshop, e.g. for respiratory protection, portable instruments, fire extinguishers, vehicles, radio communications and hoses. It is an integrated system solution with maximum efficiency and transparency.

The recording of equipment testing dates, upcoming services, as well as the storing of documentation relating to work carried out, spare parts used and test results is managed completely by TecBOS.Tech. By connecting to MSA test benches, the direct testing of equipment, without having to go through any intermediate steps, is made possible.

- Predefined workshop and device structure
- Integrated RFID transponder and barcode technologies
- Intuitive data selection on all edit fields
- Easy extendable, modular structure
- Integration of mobile Windows CE devices (PDA)
- Microsoft Office conform export interface
- Crystal Reports interface for easy integration of self-designed print analysis and reports

SmartCHECK



SmartCHECK is a modular, compact and fully automatic test bench for any SCBA equipment on the market today. This device is the easiest, most dependable way to test full face masks, lung-governed demand valves, compressed air breathing apparatus and chemical protective suits according to EN and local standards.

A specially designed test head ensures easy handling and the tight fit of full face masks. It features an integrated computer system with touchscreen. The system software TecBOS.Tech includes a testing Wizard, an intelligent assistant that allows intuitive operation. The user is guided through the smart test-process step by step.

- Fully automatic testing
- Intelligent assistance (Wizard)
- New designed test head
- Touch screen
- Integrated computer
- Intelligent software

PART NO:	Description
TecBOS.solutions	
10126009	TecBOS.Tech Standard initial license
10126022	TecBOS.Tech Standard subsequent license
10126010	TecBOS.Tech Professional initial license
10126023	TecBOS.Tech Professional subsequent license
10126021	TecBOS.Tech Premium initial license
10126024	TecBOS.Tech Premium subsequent license

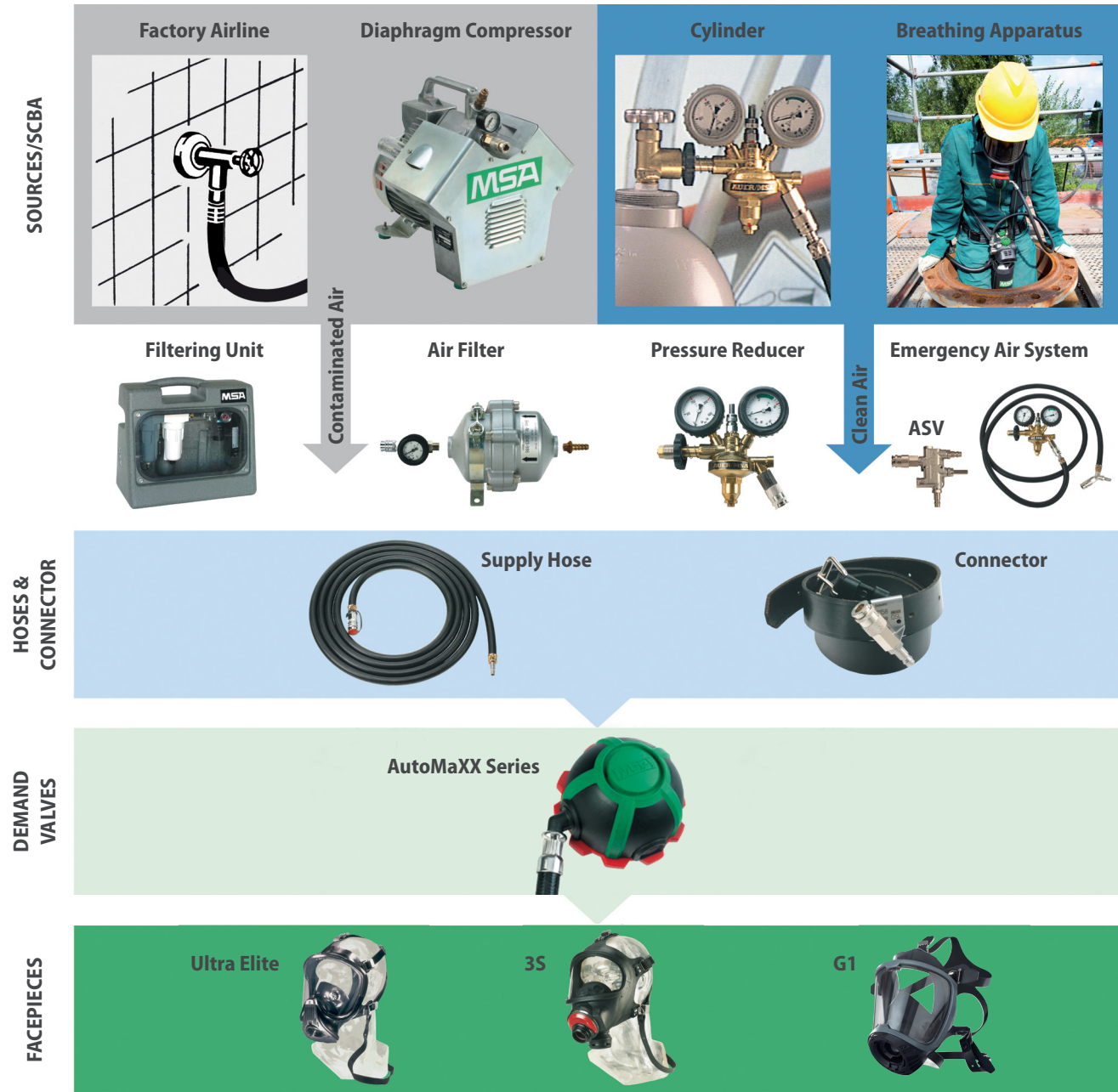
PART NO:	Description
Accessories & Spare Parts	
10108449	SmartCHECK – CPS Leak Test Accessory
10108450	SmartCHECK – CPS Valve Leak Test Accessory
10108185	SmartCHECK – AirElite Leak Test Accessories
10108526	Holder for MHC masks, complete, SmartCHECK
10093710	Dust filter, pkg 2 pcs, spare, SmartCHECK
10115053	Silicon oil/bottle 100 ml
10109451	Microfibre cloth 40 x 40 cm SmartCHECK
10144996	SmartCHECK – Test Adapter LGDV Rd 40
10144998	SmartCHECK – Test Adapter LGDV M 45 x 3
10145001	SmartCHECK – Test Adapter LGDV 88, 96 AS
10145002	SmartCHECK – Test LGDV AutoMaXX AS
10145000	SmartCHECK – Test Adapter LGDV ESA
10096973	High Pressure Supply Line
D2055754	Plug Screw, Thread Rd 40
D2055755	Plug Screw, M 45 x 3
D5175524	Adapter, Plug, Mask Leak Test, LGDV 88, 96 AS
10035659	Adapter, Mask Leak Test, PS-MaXX
10144992	SmartCHECK – High Pressure Test Line SCBA
10144993	SmartCHECK – SCBA Test Adapter 200 bar
10144994	SmartCHECK – SCBA Test Adapter 300 bar
10144987	SmartCHECK – Log-On Cards, Starter Set

Further accessories such as test adapters and spares on request

For detailed ordering information please contact your local MSA affiliates or visit our website.

Compressed Airline Breathing Apparatus

MSA compressed airline breathing apparatus, according to EN 14593-1, function independently of the ambient atmosphere. They can be used in all places where the ambient air is not breathable because of contaminants or oxygen deficiency and where filtering devices do not provide sufficient protection. Compressed air is supplied from an external source (e.g. factory airline), from a compressed air cylinder or from a compressor.



Short Duration SCBA, Combination & Escape Devices

MSA G1 PremAire Cadet Escape

Introducing the latest addition to the G1 Series, the G1 PremAire Cadet Escape. This combination supplied-air-respirator with escape cylinder offers a streamlined, lightweight design and incorporates one of the most technologically advanced, lightest and lowest profile facepieces on the market today.

G1 PremAire Cadet Escape Respirator features include:

- One-piece cylinder valve and first-stage regulator that incorporates downstream design to reduce moisture build up and dual springs for maximum reliability.
- Low-profile escape cylinders that can be worn on either right or left hip, making movements easier in tight spaces.
- Shoulder support strap that incorporates hose keeper; regulator hose stays close to body to reduce snagging.
- Escape cylinders rated at 5-, 10- and 15-minutes.
- Pressure gauge recessed into valve housing that protects gauge and reduces size and profile.
- Two harness materials: standard nylon for chemical resistance and Kevlar for high heat environments or those with spark potential.
- A regulator that provides bypass and purge cover.
- NIOSH approval as combination supplied-air respirator and self-contained breathing apparatus.
- Low-profile, open-port facepiece design with cross-contamination protection.
- No electronics in the facepiece means lighter weight and less complexity.



PART NO:	Description
10167678	G1 PremAire Cadet Escape Air-Line Respirator, 15-minute carbon egress cylinder, kevlar strap carrier/harness, G1 Facepiece, 4 pt adjustable head harness, less fittings, hard case, Black
10167679	G1 PremAire Cadet Escape Air-Line Respirator, 15-minute carbon egress cylinder, kevlar strap carrier/harness, G1 Facepiece, 4 pt adjustable head harness, Hansen brass fittings, less case, Black
10167680	G1 PremAire Cadet Escape Air-Line Respirator, 10-minute carbon egress cylinder, nylon strap carrier/harness, G1 Facepiece, 5 pt adjustable head harness, less fittings, less case, Black
10169979	G1 PremAire® Cadet Escape Respirator, Kevlar, Black, Standard
10169980	G1 PremAire® Cadet Escape Respirator, Nylon, Black, Standard

Please contact us for configurations with charged cylinders and/or Ultra Elite full face masks.

PremAire Combination



The PremAire Combination, a combination supplied airline respirator with compressed air cylinder, is designed to be versatile, comfortable, and affordable. A streamlined design offers a first stage pressure reducer and cylinder valve within one assembly, creating a very small size and profile that is less likely to snag when working in confined space or tight places. The PremAire Combination can be equipped with either the 3S-PS-MaXX or the Ultra Elite-PSMaXX full face mask in combination with the AutoMaXX-AS lung governed demand valve. Depending on the type of application or approvals requested, four different configurations can be ordered:

- PremAire Combination Escape**
Escape only respirator approved to EN 402
 - PremAire Combination Airline/Escape**
Airline/Escape respirator approved to EN 14593-1 and EN 402
 - PremAire Combination Airline/SCBA**
Airline/SCBA respirator approved to EN 14593-1 and EN 137
 - PremAire Combination Mini**
Short duration SCBA approved to EN 137-type I
- EN 402 or EN 14593-1/EN 402 or EN 14593-1/EN 137 or EN 137**

PART NO:	Description
PremAire C5-F04-L2-T1-*.W3-P2-*.C01	PremAire Combination Escape, with 3S full face mask, 2 l steel cylinder (empty)
PremAire C5-F04-L2-T1-*.W3-P2-*.C02	PremAire Combination Escape, with 3S full face mask, 2 l steel cylinder (charged)
PremAire C5-F04-L2-T1-*.W3-P2-*.C03	PremAire Combination Escape, with 3S full face mask, 2 l composite cylinder (empty)
PremAire C5-F04-L2-T1-*.W3-P2-*.C04	PremAire Combination Escape, with 3S full face mask, 2 l composite cylinder (charged)
PremAire C6-F04-L2-A1-H3-*.W2-*.C03	PremAire Combination Airline/Escape/EEBD, with 3S full face mask, 2 l composite cylinder (empty)
PremAire C6-F04-L2-A1-H3-*.W2-*.C04	PremAire Combination Airline/Escape, with 3S full face mask, 2 l composite cylinder (charged)
PremAire C3-F04-L2-A1-H3-W2-*.C03	PremAire Combination Airline/Escape, with 3S full face mask, 2 l composite cylinder (empty)
PremAire C3-F04-L2-A1-H3-W2-*.C04	PremAire Combination Airline/Escape, with 3S full face mask, 2 l composite cylinder (charged)
PremAire C4-F04-L2-M1-H3-W2-*.C07	PremAire Combination Mini, with 3S full face mask, 3 l composite cylinder (empty)

Please contact us for configurations with charged cylinders and/or Ultra Elite full face masks.

PremAire Escape



PremAire Escape is a positive pressure short duration compressed air emergency escape breathing device that provides the users with respiratory protection while they escape from toxic atmospheres. The components of the fast to don and easy to use respirator withstand the highest levels of potential industrial gas leaks and harsh chemical environments. PremAire Escape enables the wearer to escape without difficulty from a potentially hazardous environment. It offers a duration of 10-15 minutes for safe escape. The standard PremAire Escape is equipped with a 3S full face mask. For potential leaks of high concentration industrial gas, like deadly H2S, the device is available with the PremAire Mask-Hood.

EN 402

PART NO:	Description
PremAire E1-F01-L1-*.H1-*.W1-*.C01	PremAire Escape, with 3S full face mask, 2 l steel cylinder (empty)
PremAire E1-F01-L1-*.H1-*.W1-*.C02	PremAire Escape, with 3S full face mask, 2 l steel cylinder (charged)
PremAire E1-F01-L1-*.H1-*.W1-*.C03	PremAire Escape, with 3S full face mask, 2 l composite cylinder (empty)
PremAire E1-F01-L1-*.H1-*.W1-*.C04	PremAire Escape, with 3S full face mask, 2 l composite cylinder (charged)
PremAire E1-F02-L1-*.H1-*.W1-*.C03	PremAire Escape, with PremAire Mask-Hood, 2 l composite cylinder (empty)
PremAire E1-F02-L1-*.H1-*.W1-*.C04	PremAire Escape, with PremAire Mask-Hood, 2 l composite cylinder (charged)

Please contact us for other configurations

S-Cap-Air



The S-Cap-Air is a compressed air, constant flow, escape breathing apparatus designed to aid escape from hazardous areas in which toxic substances or oxygen deficiency may occur. It is very easy to operate – simply open the unit, put on the hood and make your escape.

The 3 litre, 200 bar compressed air cylinder is available in two versions: steel and composite (S-Cap-Air light).

EN 1146

PART NO:	Description
10017668	S-Cap-Air with empty cylinder
10032181	S-Cap-Air with charged cylinder
10033919	S-Cap-Air light with empty cylinder
10034561	S-Cap-Air light with charged cylinder

AirElite 4h



Closed circuit breathing apparatus for extended operational duration of up to 4 hours. Weight: 15 kg, width: 36 cm.

Excellent breathing comfort with service-free cooling system, dry and cool breathing air, comfortable harness and underarm breathing hoses. Very little maintenance required, trouble-free servicing and refurbishment. Pressure-free system without compressed oxygen cylinder. Electronic self-check and consumption monitor (IC-Air), visual and audible alarms, automatic and manual motion alarm. Fully automatic start and monitoring procedures.

For efficient training of the user, several options are available. MSA offers a KO2 training kit for the most demanding training scenarios in fire schools or mine rescue training galleries. The economical trainer conversion kit using ambient air is ideal for donning and doffing purposes.

A choice of face masks: 3S-R AirElite or Advantage AirElite.

DIN 58652-2, vfdb 0802, incl. flame engulfment test (mining and fire service)



PART NO:	Description
10065152	AirElite 4h (less chemical oxygen canister kit and full face mask)
10165441	AirElite 4h (Battery Version)
10065373	AirElite 4h chemical canister kit
10065153	3S-R AirElite full face mask
10065154	Advantage AirElite full face mask
10118774	Advantage 4000 AirElite full face mask
10100126	AirElite 4h trainer conversion kit HD
10151860	AirElite KO ₂ Trainer canister set
10151861	AirElite KO ₂ Trainer housing cover
10094376	Particle Filter P3 PlexTec (pack of 10)
10071650	AirElite case

SSR 30/100



SSR 30/100

The oxygen self-rescuer SSR 30/100 is a small, light and robust respiratory protective device, packed in a stainless steel container, which can be used anywhere, where the ambient atmosphere may be oxygen deficient or contain toxic contaminants. The apparatus is designed to be carried on a belt, donned in seconds and will supply oxygen to the wearer during his escape or while waiting for rescue.

EN 13794 class 20S
SOLAS

PART NO:	Description
D1123701	SSR 30/100, class 20S
D1123711	SSR 30/100-TR, Trainer

SavOx



SavOx

Very similar to the SSR 30/100 the SavOx offers additional features like safety goggles for eye protection, an automatic starter system and an indicator window. The apparatus is designed to be carried on a belt or shoulder strap, can be donned in seconds and will supply oxygen to the wearer during his escape or while waiting for rescue.

EN 13794 class 30S
CA 16.817
SOLAS

PART NO:	Description
10023263	SavOx, class 30S
10024538	SavOx-TR, Trainer

SSR 90



SSR 90

The chemical oxygen apparatus SSR 90 provides oxygen on demand during gas outbursts, fires and after explosions. Designed especially for self-rescue, the unit is housed in a robust stainless steel case and can be carried along or kept on site. It provides 60 minutes of rescue oxygen and up to 5 hours while awaiting rescue.

EN 13794 class K60S

PART NO:	Description
D1118701	SSR 90, class 60S
D1118709	SSR 90-TR, Trainer

SavOxCap 60



SavOx Cap 60

SavOxCap 60 is the only chemical oxygen self-rescuer with hood and starter giving 60 minutes duration. The bright orange coloured hood features an integrated half mask with speech diaphragm for voice communication. Packed in a robust stainless steel container it is made specifically for use in facilities and installations where there is a risk of sudden outbursts of toxic gases and vapours and/or oxygen deficiency.

Weight during use: 3,4 kg.

Directive 89/686/EEC
DIN 58639
EN 13794

PART NO:	Description
10073550	SavOxCap 60
10075670	SavOxCap 60-TR, Trainer

Full Face Masks – APR

MSA's expertise in breathing protection is very evident in it's range of full face masks. Comfort and quality, useful accessories and an unbelievable range of filters meet every challenge.

The APR masks are designed for use with filters and powered air purifying devices (please see page 44). For SAR masks (Supplied Air Respirators) please see page 13.

Overview Full Face Masks

Mask	Advantage 3000	3S Basic Plus	3S	Ultra Elite
	 Versatile solution for industrial applications	 Economical solution for industrial applications	 Popular solution for various applications	 Premium solution for various applications
Main Features	• Comfort harness • Single & twin filter use • Wide field of vision • Special filter range • Easy maintenance • 3 sizes	• Compact design • Optimal price-performance-ratio • Wide range of accessories	• > 50 different versions • Optional transponder • Speech diaphragm • Anti-fog airflow • 2 sizes • Wide range of accessories	• > 40 different versions • Optional transponder • Speech diaphragm • Wide field of vision • Anti-fog airflow • 2 sizes
Connections				
Standard EN 148 thread filters	YES (Advantage 3100)	YES	YES	YES
Bayonet twin filters	YES (Advantage 3200)	NO	NO	NO
Other	Special versions for PAPR and KO ₂ devices	PAPR	PAPR, Airline, SAR, Special version for KO ₂ devices	Airline, SAR
Technical data				
Standard	EN 136 class 2 (Advantage 3200) class 3 (Advantage 3100)	EN 136 class 2	EN 136 class 3	EN 136 class 3
Harness options	Patented easy-to-use Advantage harness, Silicone harness	5-point-harness	5-point harness, Special harnesses, Mask-Helmet-Combinations	5-point harness, Special harnesses, Mask-Helmet-Combinations
Lens options	Coated distortion-free PC	Polycarbonate (PC)	PC, Silicate coated PC, Triplex glass	Silicate coated PC
Faceblank	Silicone	Rubber NBR	Rubber NBR, Silicone	Special rubber, Silicone
Nose Cup	TPE	Rubber NBR	Rubber NBR, Silicone	Rubber NBR, Silicone
Weight	480 g	515 g	633 g	714 g

Advantage 3000 Series

The full face mask series Advantage 3000 sets new milestones for full face masks, providing both protection and unparalleled comfort. In order to meet all requirements concerning respiratory protective equipment, the Advantage 3000 comes in two versions, each in three different sizes.

Donning the Advantage 3000 with the patented Advantage harness is unbelievably quick, simple and accomplished without painful hair pulling. Besides its functionality we have provided a large, optically corrected lens which assures a clear, undistorted view. And: the greyblue colour of the mask creates an aesthetic appearance.

Advantage 3000 Selection

The selection of an Advantage is easier when using its four-digit version number:

- 1) 3 = product line 3000
- 2) 1 or 2 = EN thread or bayonet connection
- 3) 1 or 2 or 3 = small/medium/large
- 4) 1 or 2 = Advantage harness / Advantage harness w silicone strap

Advantage 3200 “twin”



Advantage 3200 and Advantage 3100

This version is identified by the second digit (2), standing for 2 bayonets. With the Advantage 3200, you can use the Advantage filter range as well as the unique TabTec and FLEXIfilters. For filter details, please see page 32.

EN 136, class 2
(carton of 22 pcs)

PART NO:	Description
10027727	Advantage 3211, small
10027726	Advantage 3221, medium
10027728	Advantage 3231, large
10042732	Advantage 3212, small
10042733	Advantage 3222, medium
10042734	Advantage 3232, large

Advantage 3100 “single”



Advantage 3100

The Advantage 3100 is identified by the second digit (1) standing for a single filter. It can be used with the full range of filters with thread connector according to EN 148 (see page 37).

EN 136, class 3
(carton of 22 pcs)

PART NO:	Description
10027724	Advantage 3111, small
10027723	Advantage 3121, medium
10027725	Advantage 3131, large
10042664	Advantage 3112, small
10042730	Advantage 3122, medium
10042731	Advantage 3132, large

Advantage Filter



The Advantage filter line is a complete line of particulate, chemical and combination cartridges approved according to EN 14387 and EN 143, providing the best in lightweight and high-performance filters.

EN 14387, EN 143
(pack of 1 pair)

PART NO:	Description
430375	200 Advantage P3 R, EN 143 (carton of 50 pairs)
430371	201 Advantage A2, EN 14387 (carton of 25 pairs)
10107163	201 Advantage K2, EN 14387 (carton of 25 pairs)
10144827	201 Advantage A1B1E1, EN 14387 (carton of 25 pairs)
430373	201 Advantage A2B2E1K1, EN 14387 (carton of 30 pairs)
430372	202 Advantage A2-P3 R, EN 14387 (carton of 25 pairs)
10107165	202 Advantage K2 P3, EN 14387 (carton of 25 pairs)
10144828	202 Advantage A1B1E1 P3, EN 14387 (carton of 25 pairs)
430374	202 Advantage A2B2E1K1-P3 R, EN 14387 (carton of 25 pairs)
10011347	P2 R (10 pairs) + 2 adapters, EN 143 (carton of 12 sets)

R = Reusable according EN 143:2000 / A1:2006

FLEXIfilter



With its extremely flat design, the MSA FLEXIfilter is a superb alternative to traditional particle filters. Available as P2 or P3, as well as with a layer against nuisance odors (OR) which also protects against ozone.

EN 143
(pack of 5 pairs, carton of 8 packs)

PART NO:	Description
10027699	P2 R FLEXIfilter
10027639	P3 R FLEXIfilter
10027697	P3 R FLEXIfilter OR

OR = Odour Removal
R = Reusable according EN 143:2000 / A1:2006

TabTec® Filter



The patented TabTec filter technology allows the production of filters with minimum housing while maintaining high filtering performance. For use with Advantage full face and half masks.

EN 14387
(pack of 1 pair)

PART NO:	Description
10030510	A1 TabTec gas filter (carton of 72 pairs)
10030511	A2 TabTec gas filter (carton of 60 pairs)
10038476	A2B2E1K1 TabTec gas filter (carton of 60 pairs)
10030514	Adapter for TabTec/FLEXIfilter combination (carton of 80 pairs)

Filters with Standard Thread

For details, please see page 39.

3S Basic Plus



MSA's economy model 3S Basic Plus is typically used in general industry, HazMat remediation and handicrafts. The full face mask 3S Basic Plus is designed for use with filters (EN 148 thread connector) and filtering devices. For filters please see page 39

EN 136, class 2

PART NO:	Description
D2055790	3S Basic Plus (carton of 22 pcs)

3S



The 3S mask offers everything a mask wearer needs. Comfortable fit, good communication through speech diaphragm, anti fogging air flow, low weight, no pressure points, low breathing resistance, good vision. With EN 148 thread connector. For filters please see page 39.

EN 136, class 3

PART NO:	Description
D2055000	3S (carton of 22 pcs)
D2055779	3S small (carton of 22 pcs)
D2055718	3S Silicone (carton of 22 pcs)
D2055767	3S-EZ (carton of 22 pcs)

EZ = Easy-Don Nomex harness

Ultra Elite



Innovative full face mask of black special rubber (optionally silicone) for two-way breathing (valve breathing), with standard thread for respiratory filters, air line appliances, and compressed air breathing apparatus. Pressure-free fit through comfortable single-sealing flange and deep chin cup. Available in two sizes for optimal fit. Silicate coated lens with distortion-free field of vision of almost 100%. Fog-free viewing through flushed lens. Fivepoint rolling buckle harness and good speech communication. For filters please see page 39

EN 136, class 3

PART NO:	Description
D2056700	Ultra Elite (carton of 22 pcs)
D2056779	Ultra Elite small (carton of 22 pcs)
10013876	Ultra Elite with transponder (carton of 22 pcs)
D2056718	Ultra Elite Silicone (carton of 22 pcs)
D2056770	Ultra Elite-EZ (carton of 22 pcs)

EZ = Easy-Don Nomex harness

Accessories for Full Face Masks

Carriers



3S-H carrying case



Advantage Container

Carriers for full face masks series Ultra Elite, 3S, 3S Basic Plus and Advantage 3000.

PART NO:	Description
D2055709	3S Carrier (plastic)
D2056734	Ultra Elite Carrier (plastic)
10026179	Advantage Container for all masks (plastic)
D2055400	Elite Carrying bag (nylon soft bag)
D6125067	3S-H carrying case (nylon soft bag)

Mask Spectacles



Mask Spectacle Plastic

MSA mask spectacles can be quickly attached to 3S, Ultra Elite and Advantage 3000 masks.

PART NO:	Description
D2055811	3S-M Mask spectacle frame (metal)
D2055954	3S Mask spectacle frame (plastic)
D2056733	Ultra Elite-M Mask spectacle frame (metal)
D2056730	Ultra Elite Mask spectacle frame (plastic)
10037282	Advantage 3000 spectacle frame (metal)

Welding Adapters & Cover Lenses



Welding Adapter

Welding adapters and covering lenses can be easily mounted to the standard MSA masks 3S, Ultra Elite and Advantage 3000.

PART NO:	Description
D2055781	3S Welding adapter (for lens 90 x 110 mm)
D2056701	Ultra Elite Welding adapter (for lens 90 x 110 mm)
D2055706	3S Cover lenses (pack of 10)
10037238	Advantage 3000 cover lenses, clear (pack of 10)
10037237	Advantage 3000 cover lenses, tinted (pack of 10)
D2056702	Ultra Elite cover lenses (pack of 10)

Test Device



Test Device

Mobile carrying case for testing the tightness of various types of masks.

PART NO:	Description
D6063705	Mask tightness tester for all masks

Half Masks

Traditionally, MSA has always offered high quality half masks. Comfort, efficiency and aesthetics are some of the most important features MSA products stand for.

All half masks come with a full range of filters and accessories. With the exclusive technology used to create the new generation of filters, MSA leaps over all other products currently in existence.

Advantage 400 Series



Advantage 410



Advantage 420

The innovative Advantage 400 half mask stands out due to exceptional comfort and sophisticated design. The user-friendly respirator only consists of three major components, that can be easily cleaned: head harness, nose cup and 4-point yoke.

The patent-pending single loop head harness is unique to the market. It grants the user an intuitional operation and offers high comfort and flexibility. The drop-down option allows the user to remove the mask from the face without removing his other safety equipment (like helmet, ear muffs or spectacles). The respirator can be worn along the chest until the next use. Lock-down permits to set the harness to the proper fit. It can be then reused without any further adjustments.

The one-piece MultiFlex nose cup is made of soft and smooth co-molded silicone and rigid plastic. This unique combination gives the face piece great durability and extraordinary stability when worn, without compromising comfort.

The Advantage 400 is either available with single thread EN 148-1 connection (Advantage 410) or with twin bayonet MSA connection (Advantage 420). For both versions MSA offers a wide range of different filters, suitable for all applications.

EN 140

PART NO:	Description
10102276	Advantage 410, small
10102277	Advantage 410, medium
10102278	Advantage 410, large
10102273	Advantage 420, small
10102274	Advantage 420, medium
10102275	Advantage 420, large

The weight of a single filter shall not exceed 300 g when used with the Advantage 410

Advantage 200 LS



Advantage 200 LS with TabTec®



Pouch

The Advantage 200 LS half mask is ideal for applications where workers are exposed to various hazards from job to job, such as high concentrations of fumes, mists and gases. Offering unmatched fit and comfort, it's the first respirator to feature MSA's patented MultiFlex system, a soft, pliable combination of rubber and plastic that provides a customised fit, instantly conforming to the wearer's unique facial characteristics. Three available sizes raise standards of fit and comfort up another notch.

The Advantage 200 LS has a full line of particulate, chemical and combination cartridges, approved according to EN 14387 and 143. To meet your individual needs you could choose between the classic Advantage filters and the exclusive range of TabTec and FLEXIfilters, please see page 32.

EN 140

(carton of 48 pcs)

PART NO:	Description
430357	Advantage 200 LS, small
430356	Advantage 200 LS, medium
430358	Advantage 200 LS, large
10016038	Pouch for Advantage 200 LS

Respiratory Filters

The service time of respiratory filters depends on the conditions of use. For gas or combined filters that are used against gases, the end of a filter's service life can usually be detected by odour, taste or irritation during inhalation. Some filters have a specified maximum service time (CO filter cartridges, combined filters 93 Hg/St).

For particle filters or combined filters that are used against particles, the end of service time can be detected by an increase in inhalation resistance.

With combined filters – depending on the predominant protective function – both criteria must be observed. Particle filters must only be used once against radioactive contaminants, spores, bacteria, virus and proteolytic enzymes.

The 9X series of MSA gas and combination filters are in full compliance with the REACH regulation and do not include any toxic materials listed in the European Regulation.

For Advantage filters and the exclusive range of TabTec and FLEXifilters please see page 32.

Colour mark	Type	Application	Class	Max. allowed gas concentration	Standard
	A	Organic gases and vapours (boiling point > 65°C)	1	1000 ml/m³ (0.1 Vol.-%)	EN 14387
			2	5000 ml/m³ (0.5 Vol.-%)	
			3	10000 ml/m³ (1.0 Vol.-%)	
	B	Inorganic gases and vapours (not CO) e.g. chlorine, H ₂ S, HCN	1	1000 ml/m³ (0.1 Vol.-%)	EN 14387
			2	5000 ml/m³ (0.5 Vol.-%)	
			3	10000 ml/m³ (1.0 Vol.-%)	
	E	Sulfur dioxide and acidic gases and vapours	1	1000 ml/m³ (0.1 Vol.-%)	EN 14387
			2	5000 ml/m³ (0.5 Vol.-%)	
			3	10000 ml/m³ (1.0 Vol.-%)	
	K	Ammonia and organic ammonia derivatives	1	1000 ml/m³ (0.1 Vol.-%)	EN 14387
			2	5000 ml/m³ (0.5 Vol.-%)	
			3	10000 ml/m³ (1.0 Vol.-%)	
	AX	Organic gases and vapours (boiling point < 65°C) of low boiling substance groups 1 and 2	-	Gr. 1 (100 ml/m3max. 40 min.) Gr. 1 (500 ml/m3max. 20 min.) Gr. 2 (1000 ml/m3max. 60 min.) Gr. 2 (5000 ml/m3max. 20 min.)	EN 14387
	NO-P3	Nitrogen oxides e.g. NO, NO ₂ , NOX and particles	-	Maximum allowed time of use 20 minutes	EN 14387
	Hg-P3	Mercury vapours and particles	-	Maximum allowed time of use 50 hours	EN 14387
	CO*	Carbon monoxide	-	Local guidelines	DIN 58620 EN 14387
	Reactor P3*	Radioactive iodine and particles	-	Local guidelines	DIN 3181*
	P	Particles	1	Max. filter penetration 20 %	EN 143 EN 14387
			2	Max. filter penetration 6 %	
			3	Max. filter penetration 0.05 %	

*only colour mark and type standardized

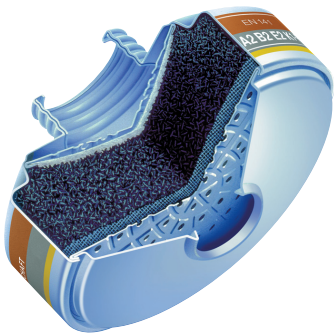
An Excerpt from our Wide Range

Description	Part No.	Pack of	Packs in Carton	Acc. to DIN/EN	Weight	Ø/Height in mm	Thread Connector
Particle Filters							
Pre Filter for Filter cartridge	D1070754	12	-	flame resistant	3 g	107/35	P3 PlexTec, series 92 & 93
Particle Filter P3 PlexTec	10094376	10	20	P3 R	80 g	104/46	EN 148-1
Gas Filters							
Gas Filter 90 A	10115187	1	32	A2	230 g	107/70	EN 148-1
Gas Filter 90 AB	10098113	1	32	A2, B2	230 g	107/70	EN 148-1
Gas Filter 90 E	10115349	1	32	E2	> 300 g	107/70	EN 148-1
Gas Filter 90 K	10115320	1	32	K2	> 300 g	107/70	EN 148-1
Gas Filter 90 ABE	10152442	1	32	A1, B1, E1	185 g	107/70	EN 148-1
Gas Filter 90 ABEK	10098114	1	32	A2, B2, E2, K1	255 g	107/70	EN 148-1
Gas Filter 90 AX	10108408	1	32	AX, A2	230 g	107/80	EN 148-1
Gas Filter 90 ABEK2	10098112	1	32	A2, B2, E2, K2	290 g	107/77	EN 148-1
Combined Filters							
Combined Filter 92 A/St	10115188	1	32	A2-P2 R D	260 g	107/85	EN 148-1
Combined Filter 92 AB/St	10097994	1	32	A2, B2-P2 R D	270 g	107/85	EN 148-1
Combined Filter 92 ABEK/St	10097995	1	32	A2, B2, E2, K1-P2 R D	295 g	107/85	EN 148-1
Combined Filter 92 ABEK2/St	10097996	1	32	A2, B2, E2, K2-P2 R D	350 g	107/93	EN 148-1
Combined Filter 93 A/St	10115189	1	32	A2-P3 R D	260 g	107/85	EN 148-1
Combined Filter 93 AX/St	10108409	1	32	AX-P3 R D	260 g	107/85	EN 148-1
Combined Filter 93 AB/St	10097993	1	32	A2, B2-P3 R D	270 g	107/85	EN 148-1
Combined Filter 93 K/St	10115190	1	32	K2-P3 R D	295 g	107/85	EN 148-1
Combined Filter 93 ABE/St	10147479	1	32	A1, B1, E1-P3 R D	215 g	107/70	EN 148-1
Combined Filter 93 ABEK-Hg/St	10097231	1	32	A2, B2, E2, K1, Hg-P3 R D	295 g	107/85	EN 148-1
Combined Filter 93 ABEK2-Hg/St	10097232	1	32	A2, B2, E2, K2, Hg-P3 R D	350 g	107/93	EN 148-1
Special Filters							
Combined Filter 93 Hg/St	10115201	1	32	Hg-P3 R D	270 g	107/85	EN 148-1
Combined Filter 93 NO-CO/St	10115314	1	32	NO-P3 R D	470 g	107/85	EN 148-1
Combined Filter 93 ABEK-CO-NO-Hg/St	10115315	1	32	A1, B2, E2, K1, CO, NO, Hg-P3 R D	420 g	107/93	EN 148-1

R = Reusable according EN 143:2000 / A1:2006;
D = Dolomite dust tested



Particle Filter



Gas Filter



Combined Filter

Advantage Respirator Cartridges			Acid Gases														
The Advantage line of particulate, chemical and combination cartridges is NIOSH-certified to 42 CFR, Part 84 and provides lightweight, low-profile performance. Cartridges fit 200 LS and 420 Half-Mask, 1000, 3000 and 4000 Series Full-Facepiece Advantage Respirators.			Organic Vapor	Chlorine	Sulfur Dioxide	Chlorine Dioxide	Hydrogen Chloride	Hydrogen Sulfide	Ammonia	Methylamine	Formaldehyde	Hydrogen Fluoride	Mercury Vapor	Filter Type & Efficiency See Definitions below			
MSA Cartridge Description	Re-Order Part Number	Color Coding	OV	CL	SD	CD	HC	HS	AM	MA	FM	HF	MV	P100	R95	N95	See Notes below
Organic Vapor (GMA)	815355																2,3
Organic Vapor/P100 (GMA)	815362																2,3,4
Acid Gas (GMB)	815356																2
Acid Gas/P100 (GMB)	815363																2,4
Organic Vapor/Acid Gas (GMC)	815357																2,3
Organic Vapor/Acid Gas/P100 (GMC)	815364																2,3,4
Ammonia/Methylamine (GMD)	815358																2,3
Multigas (GME)	815359																2,3
Multigas/P100 (GME)	815366																2,3,4
Chlorine/Mecury Vapor (Mersorb)	815361																2
Chlorine/Mercury Vapor/P100 (Mersorb)	815368																2,4
Low-Profile P100	815369 Pack of 2																1,4
N95 Snap-On Prefilter and Cover	815394 Pack of 10																
	816357 Box of 50																
	815392 Reusable Snap-On Cover, 2 in a Package																
R95 Snap-On Prefilter and Cover	815397 Box of 20																
	815401 Reusable Snap-On Cover, 2 in a Package																

Advantage Respirator Cartridges			Acid Gases															
The Comfo line of particulate, chemical and combination cartridges is NIOSH-certified to 42 CFR, Part 84. Cartridges fit Comfo Classic, Ultra-Twin, Ultra Elite Twin-Cartridge and Duo-Twin Respirators, and certain half-mask and full-face Advantage Respirators with Adapter (P/N 809999).			Organic Vapor												Filter Type & Efficiency			
			Chlorine	Sulfur Dioxide	Chlorine Dioxide	Hydrogen Chloride	Hydrogen Sulfide	Ammonia	Methylamine	Formaldehyde	Hydrogen Fluoride	Mercury Vapor	See Definitions below					
MSA Cartridge Description	Re-Order Part Number	Color Coding	OV	CL	SD	CD	HC	HS	AM	MA	FM	HF	MV	P100	R95	N95	See Notes below	
Organic Vapor/P100 (GMA)	815178 (6 in pkg.)																2,3,4	
Organic Vapor/Acid Gas (GMC)	464046 (10 in pkg.)																2,3,5	
Organic Vapor/Acid Gas/P100 (GMC)	815180 (6 in box)																2,3,4	
Organic Vapor/Acid Gas/P100 Short Stack (GMC)	815188 (6 in box)																2,3,4	
Chlorine/Mercury Vapor/P100 (Mersorb)	815185 (6 in box)																2,4	
Prefilter and Cover R95	816287 R95 (20 in box)																1	
	489219 R95 Reusable snap-on cover (1 in pkg; 2 req.)																	

Flexi-Filter® Pads for Advantage Respirators				
These low-profile, "exible pads fit well under a welding hood and with other personal protective equipment. They offer great balance and weight distribution for maintaining a good face seal, while their swept-back design provides improved vision and comfort.			Filter Type & Efficiency See Definitions	
MSA Filter Description	Part No.	Color Coding	P100	P95
Flexi-Filter/P100	818342		☑	
Flexi-Filter/P100 w/Nuisance Level OV, Ozone Removal	818343		☑	
Flexi-Filter/P100 w/Nuisance Level AG, HF Removal	818344		☑	
Flexi-Filter/P95 w/Nuisance Level OV Removal	818355			☑

Definitions

N95-Particulate Filter (95% filter efficiency level)
effective against particulate aerosols free of oil; time use restrictions may apply.

R95-Particulate Filter (95% filter efficiency level)
effective against all particulate aerosols; time use restrictions may apply.

P100-Particulate Filter (99.97% filter efficiency level)
effective against all particulate aerosols.

Notes

- 1. Do not use in atmospheres containing less than 19.5 percent oxygen, in atmospheres containing gases or vapors or in at mo spheres immediately dan ger ous to life and health.
- 2. Do not use in atmospheres containing less than 19.5 percent oxygen, or in at mo spheres im me di ate ly dan ger ous to life and health.
- 3. Do not wear for protection against organic vapors with poor warning properties or those which generate high heats of reaction with the sorbent material in the cartridge.
- 4. 99.97 percent efficient against 0.3 micron DOP.
- 5. Both a prefilter and cover must be used with the cartridge in order to obtain R95 or N95 particulate protection.

Filters with Standard Thread

Particle Filter



Advantage 3100 with Particle Filter

With large retention capacity for protection against solid and liquid particles of toxic agents, e.g. radioactive and carcinogenic particles.

With its significantly increased filtering surface the high-performance particle filter P3 PlexTec reduces inhalation resistance and improves filtering performance and service time, while at the same time allowing slightly more relaxed breathing.

EN 143

PART NO:	Description
10094376	Particle Filter P3 PlexTec (pack of 10)
10114676	Particle filter P3 PlexTec (pack of 100)



Particle Filter
P3 PlexTec

Gas Filter



3S with Gas Filter

For protection against organic or inorganic gases and vapours, according to the required protection range. Gas filter classes 1 or 2, single or multiple range filter (ABEK).

EN 14387

PART NO:	Description
Various types, please see page 37	



Gas Filter 90

Combined Filter



3S with Combined Filter

For protection against organic or inorganic gases and vapours, according to the required protection range, as well as against solid and liquid particles. Single and multiple range filters (ABEK/St). Also available, a filter for protection against radioactive iodine and its organic compounds, especially methyl iodide. In addition, special filters for carbon monoxide, low-boiling compounds, nitrous gases, mercury, etc.

MSA combined filters have been redesigned and upgraded by using the PlexTec media to provide even better comfort for the user.

EN 14387

PART NO:	Description
Various types, please see page 37	



Combined Filter 93

Filter Escape Devices

miniSCAPE



miniSCAPE

Using the latest filtering media TabTec technology, the miniSCAPE is a onetime use escape device with 5 minutes service time. It is equipped with mouthpiece and nose clip. Small and handy, the miniSCAPE fits into the pocket of a lab overall or any work clothing. It can also be belt carried, with the very practical integrated belt clip. In case of emergency, it can be donned very quickly and is immediately operational. In case of sudden and unexpected outbreaks of toxic gases or vapours at the workplace, personnel can quickly and safely leave the danger area using the miniSCAPE.

The hygienic and convenient plastic casing allows the device, if unused, to be distributed indefinitely to different people, for example mechanics, visitors or shift workers.

ABEK-5 DIN 58647-7

PART NO:	Description
10038560	miniSCAPE in plastic housing



MSR 2



MSR 2

The MSR 2 provides protection against hazardous gases of the types A, B, E and K and against particles (P2). The device is packaged in a robust carrying container with a belt clip.

The MSR 2 is fast to open, donned in seconds and provide an excellent seal with the half mask and the easily adjustable harness. An exhalation valve reduces breathing resistance for best comfort.

ABEK-15 DIN 58647-7

PART NO:	Description
D2264701	MSR 2 escape respirator



W65-2 & W95



W65-2

The MSA Filter Self-Rescuers W65-2 and W95 for one-time escape use provide protection against toxic carbon monoxide (CO) and other gases emitted in underground mine fires or explosions. The W65-2 is a standard Filter Self-Rescuer. The W95 is designed for extended escape routes. Both devices are available in shoulder carrying mode or with integral belt loop and as trainer version.

EN 404 (FSR 4BR)

PART NO:	Description
D1035701	W65-2
10064638	W65-2 BL (with belt loop)
D1034700	W95
10014932	W95 BL (with belt loop)



Belt loop



Shoulder carrying mode

S-CAP



S-CAP

S-CAP is an escape hood especially designed to protect persons endangered by smoke and gases generated by fires. The most dangerous of these gases is carbon monoxide.

S-CAP provides effective protection for eyes, head and especially the respiratory tract, and thus rescue can be effected with little risk. Even for those who wear spectacles, the donning of the device is very fast and easy.

The S-CAP Trainer is a device to be used by rescue teams to train potential users. The standard yellow hood is included in a blue bag, closed by velcro straps intended to simulate the tearing of the aluminized foil bag.

EN 403:2004

PART NO:	Description
10064644	S-CAP in cardboard box
10064645	S-CAP in luminescent wall box
10064646	S-CAP in fireman's pack (pack of 3)
10081637	S-CAP in pouch
10113222	S-CAP in pouch w/o carrying strap
10101163	S-CAP in container Elite (pack of 2)
10146795	S-CAP Trainer hood without filter, in pouch
B1446031	Filter holder for Trainer
B1446030	Filter pads for Trainer (pack of 100)
10146807	Spare hoods (3 pcs)



Wall Box



Pouch



Container Elite



Trainer

Smoke Hood



Smoke Hood

The Smoke Hood is an emergency escape respirator, designed to the exacting requirements of the North Sea oil production industry, for self rescue from fire incidents where smoke, carbon monoxide and other toxic gases may be present.

The hood provides protection against radiant heat while the neck seal provides additional protection against smoke rising inside the hood. A self-adjusting, one size fits all, head harness allows quick and easy donning.

EN 403:1993

PART NO:	Description
B1440005	Smoke Hood
B1446021	Smoke Hood Trainer (without filter holder)
B1446031	Filter holder for Trainer
B1446030	Filter pads for Trainer (pack of 100)



Smoke Hood in Bag

Filtering Face Pieces

Affinity Range

A full range of disposable masks for both professional and DIY (Do-It-Yourself) use. Different types of masks cover the protection levels FFP1 to FFP3 to enable safe work in various applications. The "Odour- Removal" (OR) versions offer relief from unpleasant odours, e.g. of acid gases (incl. HF), in concentrations below TLV (nuisance levels).

Applications	Color	Type
Grinding, Sanding, Cutting, Sweeping, Sawing, Bagging		FFP1
Machining, Welding, Brazing, Plastering, Insulation Installation		FFP2
Pharmaceuticals, Industrial Processes, Asbestos Environments		FFP3

Affinity is true to its name: automatically conforming to the face. The Affinity product line, with the versions 1100 and 2100, provides every user with a compatible respirator according to the latest European Standards. **All Affinity masks are compatible with MSA Protective Eyewear (see page 103).**

Approvals

The products have been tested and approved according to the latest revision of EN 149:2008 (solid and liquid particles) which now includes the loading test, described in the amendment A1 of EN 143:2000. The classification of these products is NR (not reusable), i.e. for single shift use only.



FFP1



FFP2



FFP3

Affinity 1100



Affinity 1100

The AnthroCurve sealing flange ensures that these cup shaped respirators fit safely and comfortably. Furthermore a pre-shaped nose band and inner nose foam make adjustment easy and provide improved comfort. The FFP3D version comes additionally with an adjustable elastic band for easy donning and doffing.

The selected filter materials of Affinity 1100 are Dolomite tested to guarantee better breathing comfort, particularly in high dust environments.

EN 149:2001

PART NO:	Description
10128847	Affinity 1110 FFP1 NR D, green (pack of 10, carton of 12 packs)
10128848	Affinity 1111 V FFP1 NR D, green (pack of 10, carton of 12 packs)
10128849	Affinity 1120 FFP2 NR D, yellow (pack of 10, carton of 12 packs)
10128850	Affinity 1121 V FFP2 NR D, yellow (pack of 10, carton of 12 packs)
10128873	Affinity 1141 V OR FFP2 NR D, blue (pack of 10, carton of 12 packs)
10128871	Affinity 1131 V FFP3 NR D, red (pack of 5, carton of 12 packs)

D = Dolomite tested
OR = Odour Removal
V = with Valve

Affinity 2100



Affinity 2100

Affinity 2100 foldable disposable respirators offer high-performance light filtering media, which are thin and light, and provide a comfortable fit even when used for longer periods. The low-profile design with vertical fold makes it ideal for use under welding hoods or in any tight spot where a respirator must be worn. A pre-shaped nose clip allows for easy contour adjustments to achieve a snug fit that prevents exhaled breath from escaping and fogging safety glasses. A colour coding system ensures easy identification of the protection level and helps the user to select the right kind of mask for any given application.

Due to the exceptional quality of the filtering media, Affinity 2100 masks have a storage life of 5 years, from the date of manufacture.

EN 149:2001

PART NO:	Description
10128874	Affinity 2110 FFP1 NR D, green (pack of 15, carton of 12 packs)
10128875	Affinity 2111 V FFP1 NR D, green (pack of 15, carton of 12 packs)
10128876	Affinity 2120 FFP2 NR D, yellow (pack of 15, carton of 12 packs)
10128877	Affinity 2121 V FFP2 NR D, yellow (pack of 15, carton of 12 packs)
10128878	Affinity 2131 V FFP3 NR D, red (pack of 15, carton of 12 packs)

D = Dolomite tested V = with Valve

Powered Air-Purifying Respirators

A wide range of occupations require long periods of time in unhealthy or even toxic environments. Typical applications are work with hazardous materials such as asbestos removal, paint and lacquer spraying, welding, chemical plants, agriculture and medicine. The use of a traditional nonpowered filter system over time adds a significant strain on breathing and increases body temperature.

When long-term breathing protection is necessary, a Powered Air-Purifying Respirator (PAPR) is the way to go. Breathing remains easy and free from resistance even after hours of work. Maximum safety, flexibility and ease-of-handling allows the user to concentrate on his work.

OptimAir® 3000



OptimAir 3000

The OptimAir 3000 is the next generation PAPR to protect against hazardous particles, gases and vapours. Our specially designed OptimAir 3000 EX unit can also be used in areas where there is a potential danger of ignition. Driven by a powerful low profile blower, OptimAir 3000 is the most advanced High-Tec system using an exclusive stackable filter system. Easy to use (one-button operation) and ergonomic.

EN 12941, EN 12942

PART NO:	Description
10049557	OptimAir 3000 (Standard unit with 130 l airflow, NiMH Battery, Charger and Comfort Belt)
10049558	OptimAir 3000 A (Unit with 160 l airflow, OptimAir Mask w/Hose, Particle Filter [pack of 10], NiMH Battery, Charger and Decon Belt)
10049559	OptimAir 3000 EX (Unit with 130 l airflow, NiMH EX Battery, Charger and Comfort Belt)

Head Pieces



OptimAir Mask



OptiVizor



OptiTop

The OptimAir 3000 features a wide range of specially designed head pieces (full face masks, hoods, hooded helmet, welder's screen and visor) to cover most applications.

EN 12941, EN 12942

PART NO:	Description
10051810	OptimAir Mask with hose (TM3)
10051807	OptiTop (Hooded helmet) (EN 397), (TH3) with hose
10051805	OptiHood Demi (TH2) without hose
10051806	OptiHood Full (TH2) without hose
10049638	OptiVizor (Face shield) without hose (TH2) (EN 166)
10049639	OptiVizor W (Welder's screen) complete (TH2) without hose (EN 166, EN 175)
10049630	Hose for masks
10049631	Hose for hoods and visors

OptimAir 3000 Filters



Depending on the application, the following filters can be used with the OptimAir 3000. (pack of 10)

PART NO:	Description
10049632	OptimAir 3000 Particle filters
10049635	OptimAir 3000 ABEK filters
10049637	OptimAir 3000 A2 filters

MSA - The Safety Company

Our business is safety. We've been the world's leading manufacturer of high-quality safety products since 1914. 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 thousands of 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.

NOTE: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warning or cautions provided have been thoroughly read and understood. Only they contain the complete and detail information concerning proper use and care of these products.

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