



- Safety & Rescue
- Speed
- Comfort & Durability
- Upgrades
- Monitoring & Telemetry
- Storage

## About MSA

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*It was a horrific workplace tragedy that led to the creation of MSA back in 1914. In the decades that have come and gone, we've never forgotten where we came from, or why we're here. At MSA, your safety is what drives us every single day. Our goal is to provide you with dependable, high-quality safety solutions to help ensure you return home safely.*

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



Working with best-in-class respiratory protection is a key to success, but sometimes still not enough to tackle all the other risks. The chances of getting yourself or another person safely out of a rescue operation, even under severest conditions, or of simply saving valuable time and costs, can be increased easily. Offering you these added values is a main driver for a lot of MSA inventions and patents.

The details of our products show the bandwidth of our 100 years' engineering experience. They underline our deep empathy for the challenges of your work environment. Thanks to your support, we have built up this knowledge with every product developed, be for trainings, during maintenance and, most important, for real life operations.

Accessories and enhancements support or increase the protection grade of your equipment to improve your comfort and save your time and costs by optimizing workflows. Even small and apparently simple enhancements can make huge differences in protecting lives or simply in freeing financial resources for important investments.

## Areas of Improvement

- Safety & Rescue (*page 5*)
- Speed (*page 9*)
- Comfort & Durability (*page 12*)
- Upgrades (*page 17*)
- Monitoring & Telemetry (*page 20*)
- Storage (*page 22*)

In this catalogue you will find various options to improve your breathing apparatus. If you are interested in other equipment, like masks, communication systems or head, eye, face and hearing protection, as well as gas detection devices, interacting perfectly with your breathing apparatus, please visit our website ***MSAsafety.com***



So that you're always informed about our latest news and enhancements, please make sure to subscribe to our **MSA eNews**.

## alphaFP Fall Protection Harness for SCBA

Applications that require both SCBA and fall protection are always challenging for the user. Wearing breathing apparatus on top of a fall protection harness is time consuming when it comes to donning, uncomfortable in use and, most important, it is dangerous if it comes to a real fall.

To combat this, MSA has developed an innovative and unique 2-in-1 solution. It can be connected easily to any MSA SCBA backplate. With the alphaFP, donning is completed in very few, intuitive steps – thanks to its front opening system even within the confines of a vehicle. This saves time for the user – valuable time when it comes to rescuing people and saving lives.

alphaFP offers highest safety in exposed situations. Its excellent wearing comfort makes it ideal for height and shaft rescues, respiratory protection and tunnel operations. The alphaFP pro version features hose protection tunnels on the shoulder pads and quick connect buckles between harness and SCBA for ease of mounting or emergency removal during operation.



*alphaFP pro, standard (10116541)*  
*alphaFP pro, large (10117573)*

### Applications

#### **Fall Arrest**

Solid stainless steel rings serve as attachment points for fall arrest lanyards.

#### **Positioning & Restraining**

D-rings on each side of the hip belt allow for safe positioning on exposed work sites.

#### **Rappelling**

Prolonged operations on a rope can be conducted in comfort, as the hip harness with the two leg loops turns into a comfortable seat. By virtue of its slide-through design, normal walking is unobstructed.

#### **Rescue**

The back D-ring can be used for safe rescue from confined spaces.



## alphaBELT Holding & Rescue Belt for SCBA

Even with the best planning, an operation can become unpredictable and, in the worst case, an emergency rescue from an elevated position could be the only solution to save your own life or the lives of others. Previous fall protection solutions, like firefighter holding belts, rescue loops (class A), or an SCBA on top of a fall protection harness, bear significant risks or are not approved for self-rescue purposes. The safest way, recommended by relevant directives, is to use fully integrated and approved solutions.

Our revolutionary alphaBELT is a sleek and durable multifunction holding belt for the everyday work of first responders. Furthermore, it can be easily integrated into an SCBA. Besides restraining, it may offer you the last resort – a quickly accessible and safe rescue seat for self-rappelling.



*alphaBELT Pro Holding & Rescue Belt (10151246)*  
*alphaBELT Basic Holding Belt w/o Lanyard (10151241)*  
*alphaBELT Lanyard (10151242)*  
*Tri-Lock Carabiner, steel (10157585)*

### Features & Benefits

- Robust materials from fall protection, parachuting and firefighting industry
- Securing pouch prevents getting caught with lanyard and protects it from damage
- alphaBELT Lanyard with Tri-Lock carabiner provides freely adjustable working radius for restraining and positioning between 170 and 45cm
- Lanyard can be detached from belt to be used separately as anchor point or rescue loop (class A/C)
- Quickly accessible rescue seat for self-rescue provides stability and secures against slipping through while lifting arms (rescue loop class B)
- 3-point safety buckle prevents any accidental opening
- Quick connection buckles for SCBA integration allow a jettison option
- Tested above current levels of relevant standards with a nominal load of 140 kg and for performance in extreme temperature conditions



## RespiHood Rescue Hood with Constant Airflow

When it comes to rescue, every second counts for the person in need of help. The RespiHood rescue hood is designed for rescuing people without respiratory protection from hazardous areas.

The product design allows easy and quick donning. Placed over the head of the person to be rescued, it constantly supplies the inner space with 50 l breathable air per minute. Air is supplied by the second connection on the rescuers SCBA.

RespiHood is made from signal yellow flame-retardant material which is ideally suited for rescue work. A large anti-fog coated visor provides a large field of vision and therefore helps to prevent panic.

### Features & Benefits

- Flame-retardant hood with anti-fog visor
- Approved according to PPE-Directive 89/686/EEC (using tests from EN 1146)
- Available with European standard medium pressure connection
- Stored in flat, flame-retardant and water-repellent pouch that can be mounted e.g. to the SCBA hip belt



*RespiHood, complete (10045764)*

## motionSCOUT Personal Alert Safety System

The stand-alone personal alert safety system motionSCOUT detects the cessation of bodily movement and activates an automatic alarm. For enhanced safety the alarm can be activated manually. motionSCOUT is extremely simple to use. The sensitive, electronic motion sensor recognizes all normal body movements. The maintenance-free and durable motionSCOUT guarantees a great price-performance ratio.

### Features & Benefits

- Simple and intuitive two-button operation
- Robust and waterproof construction
- Unmistakable alarm, with super bright LEDs, from temperature or movement sensor
- Key version (switch ON by pulling out the key) for improved accountability
- Temperature sensor provides additional safety



*motionSCOUT (10088031)  
motionSCOUT K (10088032)  
motionSCOUT T (10088033)  
motionSCOUT K-T (10088034)*

**K:** key version  
**T:** with temperature sensor

## Bag for Rapid Intervention Teams

When the focus of an operation is on rescuing a colleague or civilian, the support equipment should offer the rescuer a range of intuitively usable options.

The Bag for Rapid Intervention Teams is carried by a firefighter and serves to provide air to persons caught in hazardous environments. It is supplied with a pneumatic system that is connected to an integrated cylinder. Depending on the application, the intuitively usable bag can be equipped with the RespiHood rescue hood or a combination of demand valve and full face mask.



*Bag for Rapid Intervention Team SL (10103749)  
Bag for Rapid Intervention Team SL long (10104597)  
Bag for Rapid Intervention Team SL-Q (10104598)*

### Features & Benefits

- Flap with large, handy SingleLine manifold
- Intuitive and safe handling even at zero visibility
- Bag can be secured to the affected person using a carrying strap
- Strain-relief for the SingleLine hose: safety belt with carabiner
- Accommodates one 6 or 6.8 liter cylinder incl. pneumatic system
- Compartments for accessories such as demand valve, mask, RespiHood, rescue loop or smaller equipment
- Padded, with robust base plate
- Pressure gauge at manifold is easy to read during operation

**SingleLine (SL):** patented hose-in-hose technology combining high and medium pressure air supply

**SL long:** extended SingleLine (1500 mm)

**QuickFill (Q):** fast charging of cylinder in 45 sec. or direct refill of cylinder of trapped person



## Rescue Handle for SCBA

Some situations require quick action, such as having to rescue a colleague who was injured in an operation. Even smallest product innovations can be of great help for operations of this kind.

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



*Rescue Handle for SCBA, pack of 4 (10152624)*

### Features & Benefits

- Easy to recognize by virtue of color contrast at the top of the SCBA
- Thanks to the size, rigidity and stability, it enables fast and strong grabbing (load up to 400 kg)
- Extremely heat resistant Kevlar fabric with high tensile strength and long durability
- Quick and easy to retro-fit through mounting in the backplate



## alphaCLICK Quick Connection Coupling

Time is a valuable resource and essential for both real operations and maintenance, like recharging on the filling panel. alphaCLICK is the high pressure coupling system for very simple and rapid connection of compressed air cylinders to the pressure reducer on the SCBA backplate, for example. It comes with various safety features and requires no cumbersome threading. The alphaCLICK lets you change cylinders ten times faster than threading methods, while also improving on safety.

New and complete breathing apparatus with alphaCLICK is available in combination with the SingleLine pneumatics. However, it is possible and approved to retrofit the alphaCLICK coupling to the existing AirMaXX, AirGo or BD96, also with a 500E pressure reducer.



*alphaCLICK Upgrade Kit 200/300 bar (10075277)*  
*alphaCLICK Upgrade Kit 300 bar (10076096)*  
*alphaCLICK Filling Panel Set 200 bar (10075800)*  
*alphaCLICK Filling Panel Set 300 bar (10075961)*  
*alphaCLICK Test Gauge, up to 400 bar (10076093)*

### Features & Benefits

- alphaCLICK test gauge checks cylinder pressure in your storage within a matter of seconds
- alphaCLICK adapter can only be disconnected when not under pressure
- Safety release in the coupling is a two-step disconnection sequence to prevent unintentional opening
- Unique flow restrictor in cylinder adapter prevents uncontrolled air flow
- Built-in dirt guard keeps air clean and ensures smooth functioning
- Fits on all 200 bar or 300 bar standard threaded cylinder valves, on all AirMaXX, AirGo and BD96 SCBAs and on filling panels

## QuickFill Quick Air Transfer System

Running out of breathing air is the worst case in an operation. The MSA QuickFill system is a solution for quickest transfer of air from a high-pressure source into a lower pressure cylinder. The patented QuickFill system allows users to refill cylinders even while the SCBA is being worn and without removing the air cylinder.

The MSA SCBA can be upgraded with an additional high pressure QuickFill connection system.

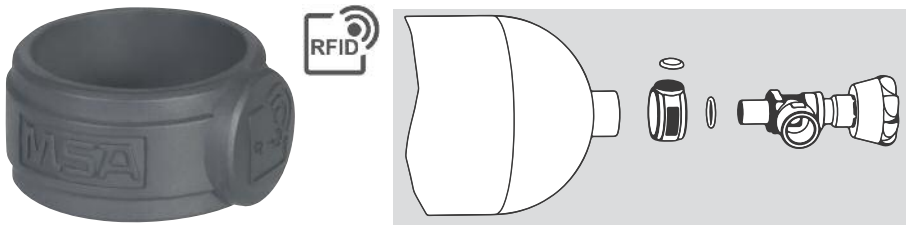


*QuickFill Line, 1 m (D4075929)*  
*QuickFill Cylinder Adapter (D4075971)*

## Transponder Holder for Cylinders

Quick operational readiness is essential to be successful. Good preparation helps to achieve this. We want to make your preparation easier, safer and reduce the time it takes, so that you can keep your head free for your important operations.

Modern and work relieving administration solutions, like our MSA TecBOS.Tech software\*, support you in maintaining an overview about the condition of all devices and their service intervals. Therefore our devices are equipped with transponder technology. Existing solutions for air cylinders are often insufficient or accident-sensitive. We have now found the solution to include cylinders subsequently in your administration – cost-saving, efficient and safe.



**RFID Holder Rings**, pack of 10, for  $\varnothing$  34–40 mm, composite cylinders (10128846)  
**RFID Holder Rings**, pack of 10, for  $\varnothing$  26–30 mm, steel cylinders (10146101)

### Features & Benefits

- Easily accessible position of the RFID chip on the neck of the cylinder
- Simple and time-saving bulk testing, e.g. on filling panel (with clear classification of cylinders)
- MSA TecBOS.Tech software allows visibility of history and data of the cylinder as well as setting reminders for inspection intervals
- Easy upgrade of existing cylinder inventory
- RFID chips are kept permanently stable and are not endangered through changing material tensions
- Easily exchangeable if required (e.g. while refitting from currently 125 kHz to other transponder technologies)
- Heat resistant silicone ring is in a position which is largely protected against impacts during operations
- Durable material is absorbing light impacts and offers better grip while carrying the cylinder

### \* TecBOS.Tech Inventory Management & Organisation of Technical Service Centres

The recording of equipment testing dates, upcoming services, as well as the storing of documentation related to work carried out, spare parts used and test results, is completely managed by TecBOS.Tech. By connecting to MSA test benches it is even possible to directly test equipment without going through any intermediate steps. Testing works with integrated RFID transponder and barcode technologies.

**TecBOS.Tech Standard**, initial license (10126009)

**TecBOS.Tech Professional**, initial license (10126010)

**TecBOS.Tech Premium**, initial license (10126021)

**Transponder Reader** (D2055759)

## Cylinder Covers

Compressed air cylinders are designed to withstand most environmental hazards. However, they can lose operational safety through superficial damage and become unusable as a result. So, you should always ensure your cylinders are undamaged and clean when in use. 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, with perfect visibility and durability, also for training exercises in hot conditions.



**Cylinder Cover Basic,**  
6–6.9 l, signal yellow (10155098)  
**Cylinder Cover Basic,**  
6–6.9 l, black (10155097)



**Cylinder Cover eXXtreme,**  
6–6.9 l, black (10155096)

### Features & Benefits

- Large inner padding, located on the bottom of the bottle, offers optimal impact protection and heat resistance
- Closable with robust zipper on the neck of the cylinder to limit the potential contact surface for a flame attack or other damage to the cylinder
- Design ensures the covers fit to all standard 6.8 litre cylinders
- Wide reflector print ensures increased visibility

#### Basic Cover

- Blended fabric protected by a special weave with a flame-resistant thread
- Special impregnation can repel water, dust, oil and grease
- Signal-yellow version ensures increased visibility, even in bad light conditions

#### eXXtreme Cover

- Selected mix of fabric layers can be stretched, which increases flexibility
- Surface of thick blended fabric (NOMEX-Viscose-Lycra) is protected by a special weave with flame resistant NOMEX thread
- Flame retardent foam layer within the fabric provides the cylinder with shock protection
- Large reflector print in combination with a special luminescent stripe on top and a signal yellow tape for first responders with additional reflector surface on the bottom ensure perfect visibility
- Handle loops provide ideal carrying comfort and quick access during storage

# Comfort & Durability

## SCBA Harnesses

When wearing an SCBA, you should always use a harness which perfectly matches the application. Long operations require perfectly balanced ergonomic harnesses whilst short operations or rescue scenarios rather focus on basic functions or economic aspects. MSA offers a variety of harnesses to suit your individual needs.

All MSA harnesses feature flame resistant and machine washable fabrics. The lengths of shoulder and hip strap are adjustable towards the front. Plastic buckles prevent finger burn. Furthermore, with all harnesses the weight of your SCBA is ergonomically balanced on your hip.

### compact Harness – *Basic*

Intrinsically flame retardant polyamid straps provide reliable carrying strength and distribute weight between shoulders and hips.



**Shoulder Strap**, one side, complete (10089280)  
**Hip Belt**, complete (10089291)

### pro Harness – *Padded*

Generously padded shoulder straps and hip belt ergonomically distribute SCBA load while providing lasting comfort. Extra secure fasteners are quickly donned and doffed. The hip strap is adjusted simply by pulling towards the front. The Nomex® blend material provides extra durability.



**Shoulder Strap**, complete (10089292)  
**Hip Belt**, complete (10089293)

### mix Harness

The mix harness combines the basic hip belt from the compact harness with the padded shoulder straps from the pro harness.



**Shoulder Strap**, complete (10089292)  
**Hip Belt**, complete (10089291)

## MaXX Harness – Premium

Our high performance harness provides optimum comfort and supports long-term health while reducing stress and fatigue. The ergonomic shoulder strap design prevents slippage. The hip belt can be easily adjusted by pulling forward. Extra secure buckles allow quick donning.

- S-swing shoulder straps, made of durable Kevlar, ensure unobstructed arm movements
- Shoulder straps are attached to each other which offers a secure grip
- Sandwich construction of high quality Protex® shell and synthetic padding material provide longterm comfort and extreme durability



*Shoulder Strap left, complete (10027673)*  
*Shoulder Strap right, complete (10027674)*  
*Hip Belt, complete (10027670)*

## MaXX Protective Sleeves for Shoulder Harness

The MaXX protective sleeves can be easily retrofitted on every MaXX harness. They meet the demands for durable protection of the important breathing air supply hoses and provide increased visibility. Robust materials and comfortable design facilitate handling and care.

- Cover the most exposed areas of the air supply hoses
- Silicone-carbon coated Kevlar makes front cover exceptionally resistant to flames and heat and extremely tear and cut proof
- Front is easy to clean and almost immune to dirt or chemicals
- Special robust push buttons prevent unintended opening while standard buttons offer possibility to quickly rip out and free the buddy hose
- Wide reflector areas ensure high visibility in low light conditions
- Outlet (opened inwardly) allows ideal positioning of the line ends (e.g. pressure gauge)



*MaXX Protective Sleeves*  
*Set, black (10158776)*

# Comfort & Durability

## eXXtreme Harness – Tough

The eXXtreme harness provides the same comfort as the MaXX harness and is especially suitable for repeated and extreme demands, like training, which could stress your equipment to such an extent that investments in maintenance, repair and replacement parts may become necessary. It has been designed to meet the toughest demands for protection and durability. Its materials could also be applied in turnout gear and were therefore tested according to the requirements of the German HuPF norm (continuative norm to DIN EN 469).

- Exceptionally resistant to flame and heat (main fabric and straps are made of 100% Kevlar)
- Silicone-carbon coating of main fabric makes it extremely tear and cut proof and almost immune to abrasion, dirt and chemicals
- Easy to clean due to natural wetness absorbing barrier
- Protective sleeves are easily exchangeable and cover the most exposed areas of the air supply hoses
- Push buttons on the protective tubes make the fixing more robust and less prone to dirt
- To prevent unintended opening the first button can be opened relieved only in one direction
- Metal buckles offer durable stability on frequently and heavily burdened parts
- Wide reflector areas ensure high visibility in low light conditions



*eXXtreme Upgrade Kit, black (10145843)  
(incl. stainless steel cylinder retaining clamp)*

## Swivelling Hip Plate for SCBA Backplate

Working in unpredictable and even destroyed environments is demanding on the fitness and flexibility of first responders. We therefore attach great importance to ergonomic equipment which supports the user during the operation. The patented swivelling hip plate supports free movements while keeping complete stability.

### Features & Benefits

- Implemented between backplate and waist belt
- Follows the movement and balances weight optimally between upper and lower body structures
- Padded stop and a perfectly limited swivel range contribute to the feeling of safety and stability



*Swivelling Hip Pad Plate Upgrade,  
set for AirGo SCBA (10089276)*

## Little Helpers for SCBA Harnesses

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### Mask Holder for Helmet Mask Combination

These small holders allow to carry your mask with helmet adapters on your harness in front of your chest by simply hooking the adapters into the D-rings.



*Helmet Mask Holder for SCBA, set  
(10164914)*

### Small Connector Loop

Not only additional equipment must be approved, but also the attachment solution must be compatible with the harness. This small holder strap is approved for use with MSA SCBA.



*Small Connector Loop for SCBA belts  
(10151249)*

### Line Holder with Push-Button

Our line holder with push-button keeps your hoses for air supply and pressure gauge safe and close to the shoulder straps of your SCBA harness.



*Line Holder, push-button (D4075832)*

### eXXtreme Cylinder Strap

Harsh conditions can impact your equipment while moving through confined or destroyed environments. They might stress the equipment to such a level, that investments in maintenance, repair and replacement parts become unavoidable.

To properly protect the important connection between cylinder and SCBA backplate, this cylinder strap is made of robust Kevlar with a patented steel buckle solution, ensuring long durability.



*eXXtreme Cylinder Belt, complete  
(10040411)*



# Comfort & Durability

## Valve Protection for Cylinders

Not every path in a respiratory protection operation is safe or prevents the equipment from damages. Exposed parts of your equipment should be protected – on the one hand to not endanger the operational safety and on the other hand to avoid costly repairs or replacement.

Our protection for cylinder valves was designed to absorb both rough and direct impact. In case of an emergency it gives way, so that the user is not in danger of getting caught.



**Valve Protection AirMaXX**  
for 1 or 2 cylinders (10087372-SP)



**Valve Protection AirGo**  
for 1 cylinder (10145942)



### Features & Benefits

- Design and material minimize risk of entanglement
- Decreases direct impact on cylinder valve and absorbs shocks
- Durable construction made with rugged silicone cannot crack or break
- Can be easily retrofitted to existing SCBA

## Demand Valve Holder for AutoMaXX

To avoid losing valuable time and ensure perfect operation, it is worth keeping your devices clean and ready to go. Our holder for lung governed demand valves offers a parking position on your SCBA harness, that allows quick access and ensures secure protection during transportation and storage.



Example AS



- AE/ESA/N Demand Valve Holder** (10078512)
- ESA Demand Valve Holder** (10059353)
- AS Demand Valve Holder, pack of 5** (10118878-SP)
- AE alpha Demand Valve Holder** (10087657)
- AE alpha B Demand Valve Holder** (10078511)
- Small Demand Valves and LA73 Demand Valve Holder** (D4075724)

### Features & Benefits

- Lightweight design and durable construction
- Easy to mount on existing SCBA
- Firm grip on belt with stable positioning of holder



Example AE/ESA/N

*In 2016, the supply of spare parts for our proven BD96 series will be concluded. Also, the lung governed demand valve LA96 will no longer be available. From time to time, even older AirMaXX or AirGo SCBA deserve an upgrade.*

*At MSA, it is just a few steps from an old to an improved SCBA. Our SCBA system is modular and can be tailored and upgraded to your individual needs at any time. Thanks to this concept, you can benefit from all the advantages of the latest AirGo and AirMaXX series with minor retrofitting.*

## AutoMaXX Demand Valve

During an operation it is important to use reliable and user-friendly equipment. With its large, coloured operating buttons, swivel connections, silicone hose and maintenance-friendly design, the patented lung governed demand valve AutoMaXX offers maximum comfort and sets milestones for firefighting around the world.

### The AutoMaXX is available in the following versions:

- N:** negative pressure with round thread connector
- AE:** positive pressure with M 45 x 3 thread connector
- AS:** positive pressure with MaXX plug connector
- AS-C:** combination of the AE and the AS
- ESA:** positive pressure with DIN plug connector

### Moreover you have the choice of the following options:

- G:** rubber medium pressure line for industrial applications
- B:** by-pass valve provides an adjustable, constant air stream
- Short:** short medium pressure line (50 cm)

### Features & Benefits

- Automatic first-breath activation (AE, AS, AS-C) and deactivation on mask separation (AS, AS-C)
- Ergonomic size for intuitive right or left-handed gloved operation
- Robust and durable design with impact and temperature resistant materials
- Maximum freedom of movement by rotating connection
- Flexible silicone hose, even at low temperatures
- Maintenance-friendly design with quick-removing protective cap and limited-lubrication valve assembly
- Available in both negative and positive pressure models with short and long air supply hoses



**AutoMaXX-N** (10023686)  
**AutoMaXX-ESA** (10043464)  
**AutoMaXX-AE** (10023687)  
**AutoMaXX-AS** (10023688)  
**AutoMaXX-AS-C** (10023689)  
**AutoMaXX-AS-B** (10038296)  
**AutoMaXX-N-Short** (10070760)  
**AutoMaXX-ESA-Short** (10070973)  
**AutoMaXX-AE-Short** (10070972)  
**AutoMaXX-AS-Short** (10043133)  
**AutoMaXX-N-G** (10036274)  
**AutoMaXX-ESA-G** (10047230)  
**AutoMaXX-AE-G** (10036271)  
**AutoMaXX-AS-B-G** (10038410)  
**AutoMaXX-AS-C-G** (10036273)  
**AutoMaXX-AS-G** (10036272)  
**AutoMaXX-ESA-G-Short** (10073157)

# Upgrades

## Pneumatics

A safe air supply and the reduction of breathing air from high pressure to medium pressure down to a comfortable breathing level is the core function of an SCBA. You have the choice between various well proven types of upgrade sets to remodel an older SCBA to the new AirMaXX or AirGo series. The following recommended working principals come with the robust DM04 first stage pressure reducer.

### alpha SL – SingleLine

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.



*Hose-in-Hose Technology*



**Pressure Reducer SL**, without lines (10068765)  
**Pressure Reducer SL-Q** with QuickFill coupling,  
without lines (10068766)

### Classic Air Lines

The Classic pneumatic system uses individual lines for each function. One medium pressure line to supply the demand valve and a high pressure line with gauge come as standard.



**Pressure Reducer Classic**,  
without lines (10068762)

### Additional Options in Upgrade Sets:

- QuickFill
- alphaCLICK
- Second medium pressure connection
- Signal line with whistle
- alphaMITTER for monitoring and telemetric system

## T-Pieces for 2 Cylinders

Special operations require a larger air reserve. 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.



- T-Piece 115/200 bar**, for 4 l steel cylinders (D4085817)
- T-Piece 136/300 bar** (10056606)
- T-Piece 156/300 bar**, for 6/6.8 l composite cylinders (D4075818)
- T-Piece 166/300 bar**, straight (10032711)

## Upgrade Kit from BD96 to AirGo

If you are currently using a BD96 with pressure reducer DM04, you might want to continue using the advantages of large parts of your proven equipment. Therefore we are now offering these upgrade kits for your old BD96 devices.

Your existing pneumatic systems (alpha series with pressure reducer DM04) can continue to be used. With the upgrade of a new backplate and a new harness, your old SCBA is retrofitted to a new AirGo.

To integrate the revolutionary alphaBELT rescue and holding belt from the beginning, both kits are also available without the standard hip belt.



**Upgrade Kit AirGo pro** with  
pro harness, complete (10153542)  
pro harness, without hip belt (10164913)



**Upgrade Kit AirGo MaXX** with  
MaXX harness, complete (10153543)  
MaXX harness, without hip belt (10164912)

### Features & Benefits

- Swivelling waist belt (MaXX harness) ensures a balanced weight distribution on upper and lower body
- Powerful AirGo backplate with integrated RFID transponder
- Weight, well balanced on a center point close to the body, provides a high ergonomic comfort
- Shock protection ensures additional protection for SCBA components
- Includes a long cylinder strap with dividing bracket and a bottle support for 2 bottles
- Upgrade kit MaXX for high performance in comfort, operation and resilience
- Upgrade kit pro for comfort and safety

# Monitoring & Telemetry

## alpha Personal Network

The patented alpha Personal Network, a wireless short-range and long-range monitoring, detection and communication system, adds a whole new multilayered dimension of safety. A direct increase in personal protection is enhanced by a further proficiency based safety advantage. Ease-of-use features enable personnel to better focus on their work. Concentration and performance are optimized as potential risks are reduced. The alpha Personal Network is the safety net for today's high-risk operations.

*short-range transmission*

*long-range transmission*



### **alphaBASE**

The alphaBASE base station communicates with up to 24 active alphaSCOUTs to provide complete telemetric capability.

### **alphaCONTROL 2**

The alphaBASE is powered by alphaCONTROL 2. All gas readings and alarms can be seen by incident command in real time. Complete incident data is automatically logged and analysed, replacing time-consuming manual reports. Conventional monitoring without any radio link is possible as well.



### alphaMITTER

The alphaMITTER sends air pressure data to the alphaSCOUT or alphaHUD once per second.



### alphaHUD

The alphaHUD Heads-Up-Display provides hands-free monitoring of air supply through the data received from alphaMITTER or alphaSCOUT. It visually delivers evacuation signals sent from the alphaBASE to alphaSCOUT and gas alarms provided by the ALTAIR 5X.

### alphaSCOUT

This handy wireless device functions as a combined pressure gauge, mini-computer and motion sensor/alarm. After receiving pressure data from the alphaMITTER, the alphaSCOUT calculates remaining service time based on your breathing rate. Should you be unable to move, an integrated sensor activates an alarm to let your team know you need help. In combination with the alphaBASE, the alphaSCOUT is able to transmit complete SCBA monitoring data and receive evacuation and alarm confirmation from incident command.

### ALTAIR® 5X

The ALTAIR 5X multi-gas detector measures up to 6 gases simultaneously. The data is transmitted wirelessly to the alphaBASE via the alphaSCOUT.



# Storage

## Standard Carrying Case for SCBA with 1 Cylinder

The standard hard cover case fulfills all important basic needs to protect your equipment during transport and storage. It holds your SCBA system, one cylinder, a demand valve and a mask.



*Carrying Case for SCBA, standard (10126797)*

### Features & Benefits

- Room for one fully equipped SCBA with one 6.8 l cylinder including mounted mask with demand valve and additional equipment, like the monitoring devices of the alpha Personal Network
- Simply and safely stackable with design integrated snap points on front and back side
- Dedicated smooth outside areas for stickers and individual labelling
- Thick, robust and UV stable plastic shells with metal buckles and inherently stable hinge-joints, with approx. 185° opening angle to avoid overexpansion
- Two big handles for use with gloves, for carrying or pulling
- Stable standing feet with integrated bumper area for pulling with corner handle
- Integrated sealing frame to block rough dust or splash water



## Large Carrying Case for SCBA with 1 or 2 Cylinders

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The rugged and lightweight carrying case holds your SCBA system, up to two cylinders, a demand valve and a mask. It is particularly ideal for transporting equipment for servicing or when travelling. The premium case offers convenient rollers and a larger storage room than the standard carrying case.



*Carrying Case for all SCBA with 1 or 2 cylinders (10049021)*

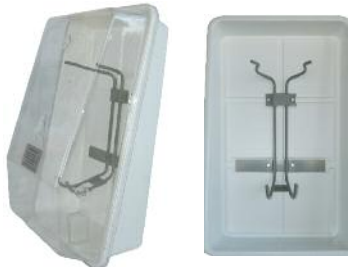
### Features & Benefits

- Room for one equipped SCBA with up to 2 x 6.8 l cylinders or 1 x 9 l cylinder, also including mask with demand valve and additional equipment, like the monitoring devices of the alpha Personal Network
- 2x2 wheels for comfortable transport (2 wheels to support pulling on the corner handle and two additional small rotatable wheels on the bottom to easily roll the case in any direction)
- Stable standing feet and two large handles for use with gloves, for carrying or pulling
- Thick, robust and UV stable plastic shells with metal buckles and stable metal hinge-joints
- Two inner straps to support the upper case shelf and hinges while opened (max. 115° to avoid overexpansion)

## Wall Box for SCBA

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The wall box holds an SCBA with one cylinder (up to 6.8 l) and mask. The quick-release cover and SCBA cylinder suspension system with a durable metal clamp allow immediate use without losing precious seconds.



*SCBA Wall Box Type A (D4080801)*



## Trust & Durability

For more than 100 years our passionate mission of safety empowers us, "The Safety Company", to protect lives.

We are committed to providing the latest in innovative, best-in-class safety solutions that feature integrated systems capability and allow our customers to return safely to their families and friends.

Every day our customers place their lives in our hands. In response, we provide them with protection they can trust, and their stories become our stories. Hand in hand we partner with our customers to earn that trust.

***At MSA, every life has a purpose.***

## Your direct contact

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