

**BREATHING  
EXPERIENCE  
SINCE 1920**

# **INTERSPIRO** Product Overview

**FIRE FIGHTING**



**SEARCH &  
RESCUE**



**MARITIME**



**INDUSTRY**



# **INTERSPIRO'S PRODUCT** **OVERVIEW – ENJOY!**

Interspiro is publishing the first edition of our product overview for Fire Fighting, Search & Rescue, Maritime and Industry.

We selected products that are available world wide and reflect what most of our customers want. The selection is a mixture of classic and new.

The fact that Interspiro has been developing breathing apparatus since 1921 means over the years, we have learned to adapt it to suit human functioning. Adaptation can be a matter of tailoring apparatus to suit how we breathe, our backs and how we react under stressful conditions.

In consideration of the tough working conditions our customers face, Interspiro works hard to make apparatus as robust as possible. Over the course of the years, we have also received lots of confirmation that the products have a long lifetime and low repair costs.

We work towards constant improvement and to achieve this, we depend on our customers to share their opinions. Please keep telling us what you think! Your comments help us work harder and raise the bar.

Niclas Gyllbrink

Director of Marketing, Interspiro

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# SELF CONTAINED BREATHING APPARATUS

To meet the wide range of operational requirements within the fields of fire service, military, maritime and industry, Interspiro offers several Self Contained Breathing Apparatus (SCBA) systems. The systems range from the Spiromatic S7 & SpiroGuide II with electronic monitoring to the highly advanced and flexible QS II platform to the basic Spiromatic 90U and Spiromatic 90USA.



# SPIROMATIC S7



SPIROMATIC S7 is the seventh generation NIOSH and NFPA approved SCBA from Interspiro. It combines the latest electronic developments, a new harness concept and the proven performance of the Spiromatic-S series 1st stage regulator, 2nd stage breathing valve and the unique S-Mask with ambient air hatch.

The S7 is available with two different supply pressures: High Pressure (HP) with 4500 psi and Low Pressure (LP) with 2216 psi. The HP version can be equipped with the optional Cylinder Quick Coupling (QC).

All S7 configurations include an integrated Personal Alert and Safety System (PASS) and a Rapid Intervention Connection (RIC), which allows rapid refilling of cylinders under emergency conditions.

As an option the S7 can be equipped with a medium pressure buddy breathing system to connect two SCBAs together.

Easy adjustment to body size.  
Large rescue handle.

Robust and comfortable harness  
with optimal weight distribution.

Wireless Heads-Up Display (HUD)  
inside the face mask gives continuous  
indication of cylinder pressure and low  
air alarms as well as PASS status.

SCBA computer with  
high visibility 360°  
lights and powerful  
sound is protected in  
backframe.

Optional SpiroPulse  
tracking system.

Optional connector  
for SpiroLink  
telemetry system.

SpiroGuide digital display  
with powerful backlight.  
Department selectable  
displays include:

- Cylinder pressure symbol
- Cylinder pressure in psi
- Remaining air time
- Absorbed temperature

Secure, integrated 2nd stage breathing  
valve provides instant-on ambient air  
without removing the second stage.



## Spiromatic S7 SCBA Configurations

The Spiromatic S7 SCBA configurations are delivered assembled and tested. The configurations include harness, regulator unit and face mask. Cylinders are sold separately and are not part of the item numbers listed below.

### Spiromatic S7 HP with Buddy Breathing

Part No.	Description
31450-01	S7 HP
31450-02	S7 HP with telemetry connector
31450-03	S7 HP with tracking system
31450-04	S7 HP with telemetry connector and tracking system

### Spiromatic S7 HP

Part No.	Description
31451-01	S7 HP
31451-02	S7 HP with telemetry connector
31451-03	S7 HP with tracking system
31451-04	S7 HP with telemetry connector and tracking system

### Spiromatic S7 LP with Buddy Breathing

Part No.	Description
31454-01	S7 LP
31454-02	S7 LP with telemetry connector
31454-03	S7 LP with tracking system
31454-04	S7 LP with telemetry connector and tracking system

### Spiromatic S7 LP

Part No.	Description
31455-01	S7 LP
31455-02	S7 LP with telemetry connector
31455-03	S7 LP with tracking system
31455-04	S7 LP with telemetry connector and tracking system

### Spiromatic S7 HP with Buddy Breathing, QC

Part No.	Description
31452-01	S7 HP
31452-02	S7 HP with telemetry connector
31452-03	S7 HP with tracking system
31452-04	S7 HP with telemetry connector and tracking system

### Spiromatic S7 HP, QC

Part No.	Description
31453-01	S7 HP
31453-02	S7 HP with telemetry connector
31453-03	S7 HP with tracking system
31453-04	S7 HP with telemetry connector and tracking system

## FACTS

SCBAs used for fire fighting in the US must be certified by the National Fire Protection Association (NFPA) under the standard 1981. Since 2002 it is mandatory to also be certified by the National Institute for Occupational Safety and Health (NIOSH) against Chemical, Biological, Radiological and Nuclear (CBRN) threats.

# Spiromatic S7 System Products



## 4500 psi SuperLight Carbon Fiber Cylinders



Part No.	Description
99694-01	30 minutes
99694-01QC	30 minutes, QC
99695-01	45 minutes
99695-01QC	45 minutes, QC
99696-01	60 minutes
99696-01QC	60 minutes, QC

## 2216 psi Cylinders



Part No.	Description
95806	30 minutes, carbon fiber
95624-01	30 minutes, aluminum

## Face Mask with 2nd stage, By-Pass and HUD



Part No.	Description
31457-01	Small size
31457-02	Medium size
31457-03	Large size [Standard size]
31457-04	Extra Large (XL) size

## Harness



Part No.	Description
On request	S7 Harness

## Rapid Intervention Team (RIT) Drag Bag



Part No.	Description
97289-01	Rescue Pack

## SpiroPulse RIT Tracker



Part No.	Description
On request	Hand held RIT tracker unit

## Cylinder Quick Coupling



Part No.	Description
30569-51	Regulator part
31232-51	Cylinder valve adapter, CGA connection

**NOTE!**

Additional products for Spiromatic S7:  
 SpiroCom Voice Communication System – see page 32  
 SpiroLink Telemetry System – see page 35  
 Revitox Rescue Mask – see page 30

# Spiromatic S7 Accessories



## S7 Mask



Part No.	Description
31261-02	Small size
31458-01	Medium size
31262-03	Large size [Standard size]
31263-02	Extra Large (XL)

## Filling Adapter for Cylinder Quick Coupling



Part No.	Description
31602-01	Cylinder Quick Coupling, Filling adapter, CGA connection

## Spectacle Kit



Part No.	Description
336890493	Spectacle kit for Face mask

## Test Adapter



Part No.	Description
95991-01	S Fit test adapter with filter (for testing according to OSHA CFR 1910.134)
336800168	Spare HEPA filter for fit test adapter

## Breathing Valve



Part No.	Description
99080-01	S7 Breathing valve (2nd stage) with By-Pass

## Mask Bag



Part No.	Description
96484-51	Face mask storage bag

## Heads-Up Display (HUD)



Part No.	Description
31062-51	Wireless Heads-Up Display (HUD)

## SCBA Case



Part No.	Description
96036-01	SCBA case

## Face Mask Holder



Part No.	Description
31383-51	Face mask holder, 10 pack



# SPIROGUIDE II

SPIROGUIDE II combines the latest electronic developments, a new harness concept and the proven performance of the Interspiro pressure regulator and breathing valve.

SpiroGuide II is available with or without a mechanical warning whistle and in versions for single cylinder, twin cylinders or cylinder pack.

It can also be equipped with the optional Cylinder Quick Coupling (QC).

An automatic motion and panic alarm (ADSU/PASS) is integrated in the SCBA. Several department selectable settings are available to adapt the SpiroGuide for different applications.

To further improve safety, an automatic start-up test communicates that the SCBA is safe to use, and all events and usage data are logged to be subsequently downloaded and viewed on a computer after the mission.

Easy adjustment to body size.  
Large rescue handle.

Robust and comfortable harness  
with optimal weight distribution.

BA Computer (BAC) protected  
under cylinder. High visibility  
lights and powerful sound.

Optional Wireless Heads-Up Display  
(HUD) inside the face mask gives  
continuous indication of cylinder  
pressure and ADSU/PASS status.



Optional mechanical  
warning whistle.

Motion sensor and buttons  
for ADSU/PASS built into  
digital display unit.

SpiroGuide digital display  
with powerful backlight.  
Department selectable  
displays include:

- Cylinder pressure in bar
- Remaining air time
- Absorbed temperature
- Turn back signal



## SpiroGuide II SCBA Configurations

The SpiroGuide II SCBA configurations are delivered assembled and tested. The configurations include harness, regulator unit and face mask. Cylinders are sold separately and are not part of the item numbers listed below.

### SpiroGuide II without mechanical whistle

Part No.	Description
31810-01	Standard configuration
31810-01QC	Cylinder Quick Coupling

*Single or Twin Cylinders up to 6.8 L.*

### SpiroGuide II without mechanical whistle, HUD

Part No.	Description
31810-02	Euro male Extra Air connection
31810-02QC	Euro male Extra Air connection, Cylinder Quick Coupling

*Single or Twin Cylinders up to 6.8 L.*

## SpiroGuide II Basic Model Configurations

The SpiroGuide II Basic Model configurations are delivered assembled and tested. The configurations include harness and regulator unit. Face masks, breathing valves and cylinders are sold separately and are not part of the item numbers listed below.

### SpiroGuide II with mechanical whistle

Part No.	Description
31811-01	Euro coupling
31811-02	Y-piece Extra air, 2 x Euro female connectors

*Single or Twin Cylinders up to 6.8 L.*

### SpiroGuide II with mechanical whistle, CH



Part No.	Description
31812-01	Euro coupling, CH version

*Only available for the Swiss market.  
Single or Twin Cylinders up to 6.8 L.*

## FACTS

There are two different methods to activate the integrated motion alarm. It either activates automatically as a result of cylinder pressure or it is activated by pulling out a “tally key” from the unit. If the tally key option is chosen, the key must be re-inserted to cancel an alarm.

# SpiroGuide II System Products

## Regulator unit without mechanical whistle



Part No.	Description
31816-01	Standard configuration
31816-02	IS male Extra Air connection
31816-03	Euro male Extra Air connection

*Single or Twin Cylinders up to 6.8 L.*

## Regulator unit without mechanical whistle, QC



Part No.	Description
31816-01QC	Standard configuration
31816-03QC	Euro male Extra Air connection

*Single or Twin Cylinders up to 6.8 L.*

## Regulator unit with mechanical whistle



Part No.	Description
31817-04	Euro coupling
31817-05	Y-piece Extra air, 2xEuro female connectors

*Single or Twin Cylinders up to 6.8 L.*

## Regulator unit for cylinder pack



Part No.	Description
31249-01	Standard configuration
31249-03	Cylinder Quick Coupling

## Heads-Up Display (HUD)



Part No.	Description
31062-51	Wireless HUD

## Harness



Part No.	Description
31350-51	Single cylinder
31360-51	Twin cylinders
31330-51	Cylinder pack

## Cylinder Quick Coupling



Part No.	Description
30569-51	Cylinder Quick Coupling, Regulator part
30553-51	Cylinder Quick Coupling, Cylinder valve adapter, EN144

**NOTE!**

Additional products for SpiroGuide II:  
 Face Masks – see page 20  
 Cylinders – see page 26  
 Accessories – see page 29  
 SpiroCom Voice Communication System – see page 32  
 SpiroLink Telemetry System – see page 35

# QS II

QS II is a flexible product platform based on high performance system products that can be combined into an SCBA adapted for different needs. A new harness concept has been combined with the proven performance of the Interspiro pressure regulator and breathing valve.

To ensure optimal comfort for different body lengths, the harness can easily be adjusted, even when the cylinder is attached and when the SCBA is mounted in a fire truck.

The QS II is available for single cylinder, twin cylinders and cylinder pack. It can also be equipped with the optional Cylinder Quick Coupling (QC).



Easy adjustment to body size.  
Large rescue handle.

Maximum mobility:  
Hip belt and shoulder straps move  
independently of each other.

Small and lightweight  
warning whistle.

Wide range of face mask variants.

Easy to maintain plug-  
in pressure regulator.

Optimized weight distribution  
with body-shaped hip belt.

## QS II SCBA Configurations

The QS II SCBA configurations are delivered assembled and tested. The configurations include harness, regulator unit and face mask. Cylinders are sold separately and are not part of the item numbers listed below.

### QS II SCBA for Single cylinder

Part No.	Description
31800-01	Standard configuration
31800-02	IS male Extra air connection
31800-03	Euro male Extra air connection

### QS II SCBA for Single cylinder, QC

Part No.	Description
31800-01QC	Standard configuration
31800-02QC	IS male Extra air connection
31800-03QC	Euro male Extra air connection

### QS II SCBA for Twin cylinders

Part No.	Description
31800-04	IS male Extra air connection

## QS II Basic Model Configurations

The QS II Basic Model configurations are delivered assembled and tested. The configurations include harness and regulator unit. Face masks, breathing valves and cylinders are sold separately and are not part of the item numbers listed below.

### QS II Basic model for Single cylinder

Part No.	Description
31801-01	Euro coupling
31801-02	Y-piece Extra air, 2 x Euro female connectors

### QS II Basic model, CH



Part No.	Description
31802-01	Euro coupling
31802-02	SuperPASS holder

*Only available for the Swiss market.*

### QS II Basic model for Twin cylinders

Part No.	Description
31801-03	2 x Euro female connectors
31801-04	Euro coupling

## FACTS

To reduce fatigue on the part of the wearer, the majority of the weight should be carried on the waist, not on the shoulders. The body-shaped waist belt and easy adjustment of the QS II harness make correct fitting easy.

## QS II System Products

### Regulator unit



Part No.	Description
31808-01	Standard configuration
31808-02	IS male Extra Air connection
31808-03	Euro male Extra Air connection
31808-04	Euro coupling
31808-05	Y-piece Extra Air, 2xEuro female connectors
31808-06	Euro male and female Extra Air connection

### Regulator unit with Cylinder Quick Coupling



Part No.	Description
31808-01QC	Standard configuration
31808-02QC	IS male Extra Air connection
31808-03QC	Euro male Extra Air connection
31808-04QC	Euro coupling

### Cylinder Quick Coupling



Part No.	Description
30569-51	Cylinder Quick Coupling, Regulator part
30553-51	Cylinder Quick Coupling, Cylinder valve adapter, EN144

### Harness



Part No.	Description
31350-51	Single cylinder
31360-51	Twin cylinders
31330-52	Cylinder pack, Spiromatic regulator

**NOTE!**

Additional products for QS II:  
 Face Masks – see page 20  
 Cylinders – see page 26  
 Accessories – see page 29  
 SpiroCom Voice Communication System – see page 32

# QS II-R

QS II-R combines a new harness concept with the proven performance of the Interspiro reserve air warning. Together with the Spirolite Cylinder pack and the integrated rescue hose this is a complete high specification SCBA for firefighting.

To ensure optimal comfort for different body lengths, the harness can easily be adjusted, even when the cylinder is attached and when the SCBA is mounted in a fire truck.

The QS II-R can be equipped with the optional Cylinder Quick Coupling (QC).

Easy adjustment to body size.  
Large rescue handle.

Cylinder pack gives optimal weight distribution and low profile.

Reserve air warning unit with Extra Air connection

Maximum mobility:  
Hip belt and shoulder straps move independently of each other.

Wide range of face mask variants.

Optimized weight distribution with body-shaped hip belt.





## QS II-R Basic Model Configurations

The QS II-R Basic Model configurations are delivered assembled and tested. The configurations include harness and regulator unit with reserve air warning adapted for cylinder pack. Face masks, breathing valves and cylinder packs are sold separately and are not part of the item numbers listed below.

### QS II-R Basic model

Part No.	Description
31803-01	Rescue hose, left
31803-03	No rescue hose

### QS II-R Basic model, QC

Part No.	Description
31803-01QC	Rescue hose, left

## QS II-R System Products

### Regulator unit with Reserve air warning



Part No.	Description
96425-04	Rescue hose, left
31808-04QC	Rescue hose, left Cylinder Quick Coupling
96425-02	No rescue hose

### Harness



Part No.	Description
31330-51	Cylinder pack, QS-R

### Cylinder Quick Coupling



Part No.	Description
30569-51	Cylinder Quick Coupling, Regulator part
30553-51	Cylinder Quick Coupling, Cylinder valve adapter, EN144

**NOTE!**

Additional products for QS II-R:  
 Face Masks – see page 20  
 Spirolite Cylinder pack – see page 26  
 Accessories – see page 29  
 SpiroCom Voice Communication System – see page 32

# SPIROMATIC 90U

SPIROMATIC 90U is a basic breathing apparatus for firefighting, and it is excellent for industrial and maritime environments. The pressure regulator (1st stage regulator) is identical to that used in other SCBA series from Interspiro. The harness is equipped with padded shoulder straps and easy-to-adjust hip belt buckles.

The Spiromatic 90U configurations are CE approved according to European product standards and approved according to the Marine Equipment Directive (“ship wheel mark”). They are delivered as SCBA configurations including the Spiromatic face mask or as basic models excluding the face mask and breathing valve.

The Spiromatic 90USA and Spiromatic 90USA-S configurations are NIOSH approved according to U.S. product standards. The 90USA is delivered with the Spiromatic face mask and the 90USA-S is delivered with the S-face mask. They are available in one high pressure (HP) version for 4500 psi and one low pressure (LP) version for 2216 psi.



Padded shoulder straps with integrated hose holders.

Can be combined with different face masks.

Easy to maintain plug-in pressure regulator.

Carrying handle

## Spiromatic 90U Configurations

The Spiromatic 90U configurations are delivered assembled and tested. Cylinders are sold separately and are not part of the item numbers listed below.

### Spiromatic 90U SCBA, including Spiromatic Face Mask

Part No.	Description
346190586	Blank cover
346190585	Blank cover, IS male Extra Air connection
97745-01	Speech diaphragm
346190647	Speech diaphragm, IS male Extra Air connection

### Spiromatic 90U Basic Model, excluding Face Mask

Part No.	Description
99220-02	Standard configuration
99220-01	Euro coupling

### Spiromatic 90U Harness

Part No.	Description
30630-01	Standard configuration

## FACTS

EN137 is the European product standard for Self Contained Breathing Apparatus. It includes two types of classification; "Type 1" for industrial use and "Type 2" for firefighting. SCBAs from Interspiro are always classified as "Type 2", suitable for firefighting applications.

## Spiromatic 90USA Configurations



Approved for US market

The Spiromatic 90USA SCBA configurations are delivered assembled and tested. The configurations include harness, regulator unit and face mask. Cylinders are sold separately and are not part of the item numbers listed below.

### Spiromatic 90USA with Spiromatic Face Mask

Part No.	Description
30136-01	HP, Blank cover
30136-04	HP, Speech cone, Airline connector
30136-50	LP, Blank cover
30136-53	LP, speech cone, Airline connector

### Spiromatic 90USA-S with S-Face Mask

Part No.	Description
30137-01	HP
30137-04	HP, Airline connector
30137-50	HP
30137-53	HP, Airline connector

### Spiromatic 90USA Harness

Part No.	Description
346190350	Standard configuration

## FACTS

SCBAs used in the U.S. must be certified by the National Institute for Occupational Safety and Health (NIOSH) under "42 CFR [Code of Federal Regulations] Part 84". This regulation is valid for industrial applications.

# FACE MASKS AND BREATHING VALVES

Interspiro has a long tradition of designing safe and physiologically adapted breathing apparatus. This heritage is clearly evident in our masks and breathing valves, each having low breathing resistance and high air capacity - and respond directly to the user's need for air.

The ambient air hatch installed on some models provides instant-on ambient air without having to remove the breathing valve. The moment the apparatus is to be activated, you simply press the hatch.



# S-FACE MASK



Mask made of natural rubber, some models also available in silicone

Ergonomic head harness

Mask available in three sizes (not all models)

Easily operated buckles

Prepared for voice communication, "Heads-Up Display" and spectacle kit

## S-Face Mask including breathing valve

### S-Mask with Ambient Air Hatch



Part No.	Description
31820-01	Standard size
31820-02	Small size
31820-03	Extra Large size (XL)
31820-04	Silicone, Standard size
31820-05	Standard size, By-pass valve

### S-Mask with First Breath Activation



Part No.	Description
31821-01	Standard size
31821-02	Small size
31821-03	Extra Large size (XL)
31821-04	Silicone, Standard size

## S-Face Mask excluding Breathing Valve

### S-Mask with Ambient Air Hatch



Part No.	Description
31262-01	Standard size
31261-01	Small size
31263-01	Extra Large size (XL)
31262-02	Silicone, Standard size

### S-Mask with First Breath Activation



Part No.	Description
31262-04	Standard size
31261-03	Small size
31623-03	Extra Large size (XL)
31262-05	Silicone, Standard size

### S-PE Mask with M45x3 connection



Part No.	Description
31265-01	Standard size
31265-02	Small size
31265-03	Extra Large size (XL)

### S-ESA Mask with Quick connection (DIN 58600)



Part No.	Description
31266-01	Standard size
31266-02	Small size
31266-03	Extra Large size (XL)

### S-N Mask with Rd40 connection



Part No.	Description
31264-01	Standard size
31264-02	Small size
31264-03	Extra Large size (XL)

## S-Face Mask - Version for helmet adapter (one size only)

### S-Mask including Breathing Valve, excluding Helmet Adapter



Part No.	Description
96300-02	Ambient air hatch
96300-03	Ambient air hatch, By-Pass valve
96300-29	First breath Version

### S-Mask excluding Breathing Valve



Part No.	Description
95070-04	Ambient air hatch
97326-02	Ambient air hatch, including Gallet helmet adapter
95070-23	First breath version
99995-04	S-PE mask
30116-04	S-ESA mask
99996-04	S-N mask

### Helmet Adapter for Gallet Helmet



Part No.	Description
336900280	Helmet adapter

### Adjustable Helmet Adapter for Gallet Helmet



Part No.	Description
31784-51	Helmet adapter



## S-Face Mask Accessories

### S-Breathing Valve



Part No.	Description
95080-12	Ambient air hatch
95080-14	First breath activation

### S-Breathing Valve with By-pass



Part No.	Description
99080-02	Ambient air hatch
99080-03	First breath activation

### S-PE Breathing Valve



Part No.	Description
99420-01	M45x3 connection

### S-ESA Breathing Valve



Part No.	Description
30115-01	Quick connection according to DIN 58600

### S-N Breathing Valve



Part No.	Description
99890-01	Rd40 connection, normal pressure (no safety pressure)

### S-ESA Adapter



Part No.	Description
42010655	Adapter for S-ESA Face mask

### Hair Net



Part No.	Description
460190352	Hair net
95612-51	Hair net, version for helmet adapter mask

### Spectacle Kit



Part No.	Description
336890493	Spectacle kit for face mask

### Storage Bag



Part No.	Description
96484-51	Face mask storage bag

### Mask Bag



Part No.	Description
331950280	Mask bag, blue

### Mask Bag



Part No.	Description
999000514	Mask bag, black

# SPIROMATIC FACE MASK

## Spiromatic Face Mask including Breathing Valve

### Spiromatic Face Mask



Part No.	Description
336190001	Blank cover
336190791	Speech cone
336190455	Blank cover, silicone

### Spiromatic Face Mask with Spirohatch



Part No.	Description
336191073	Blank cover
96301-02	Speech cone
96301-06	Blank cover, silicone

## Spiromatic Face Mask excluding Breathing Valve

### Spiromatic Face Mask



Part No.	Description
336190004	For blank cover
336190792	For speech cone
336190456	Silicone, for blank cover

### Spiromatic Face Mask with Spirohatch



Part No.	Description
336191072	For blank cover
96302-01	For speech cone
96302-05	Silicone, for blank cover

## Spiromatic Face Mask Accessories

### Breathing Valve



Part No.	Description
336190002	Spiromatic Breathing valve

### Visor with Spirohatch Ambient Air Valve



Part No.	Description
336190998	Standard configuration

### Blank Cover



Part No.	Description
336190017	Blank cover

### Speech Cone



Part No.	Description
460190400	External speech cone

### Spectacle Kit



Part No.	Description
336890493	Spectacle kit for face mask

# CLEANING AND DISINFECTION AGENTS

## Cleaning Agents

Part No.	Description
336921330	Curacid PSA Rinse, 1 L

## Cleaning Agents for Machine Wash

Part No.	Description
336921340	Curacid PSA TC, 5 L
336921331	Curacid PSA TC, 10 L

## Disinfection Agents

Part No.	Description
336921333	Curacid PSA Ultra, 1 L
336921332	Curacid PSA Ultra, 5 L
336921336	Curacid PSA Ultra, 10 L
336921335	Curacid PSA Rapid, 1 L

## Other

Part No.	Description
336921125	Spiroclear, non-clouding fluid
336950271	Facial and hand wipes, disposable
31731-51	Sealing plug S-Breathing valve, Ambient air hatch version and First breath activation version

# CYLINDERS

The Interspiro composite cylinder with aluminum liner comes in volumes of 6.8 L or 9 L, and is available with a 15-year or 30-year service life or as Non-Limited Life (NLL) cylinders. With a wide range of cylinder valves, the cylinders can be used in different configurations ensuring optimal fit for different operational procedures.

The Interspiro SpiroLite full composite cylinder was a pioneer; it was the very first composite cylinder to be introduced for firefighting. These fully composite cylinders always have non-limited-life and are used in our cylinder packs with 2 x 3.4 L or 2 x 6.7 L volume. They are also available as single cylinders with 3.4 L or 6.7 L volume.



# CYLINDERS

All cylinder-to-cylinder valve connections are M18x1.5, unless otherwise stated.

A “push-to-close” safety ratchet mechanism, which prevents unintentional closing of the cylinder valve, is standard on all valves except for the in-line version cylinder valve.

The in-line version cylinder valve does not have this feature, unless safety ratchet is specifically indicated, in which case it is the “pull-to close” type.

Some models are available with an Excess Flow Valve (EFV), which limits air flow in the event of inadvertent opening or breakage.



Composite cylinder with aluminum liner  
- 6.8 L or 9 L  
- 15 year, 30 year or NLL  
- Yellow



Full Composite cylinder with plastic liner  
- 3.4 L or 6.7 L  
- Single or cylinder pack  
- Non-limited life  
- Unpainted



Steel cylinder  
- 6 L  
- Yellow



In-line version cylinder valve, in-line hand wheel.



90° cylinder valve, easy to reach on single cylinders.



180° cylinder valve with or without pressure gauge. Suitable for twin cylinder configuration.



Cylinder valves with EFV are indicated with a blue hand wheel cover.

## Composite Cylinder with Aluminum liner

### 6.8 L, 15 year



Part No.	Description
31126-01	In-line cylinder valve
31126-02	90° cylinder valve

### 9 L, 15 year



Part No.	Description
31128-01	In-line cylinder valve
31128-02	90° cylinder valve
336291198	180° cylinder valve with pressure gauge and EFV

### 6.8 L, 30 year



Part No.	Description
31127-03	In-line cylinder valve
336290830	180° cylinder valve with pressure gauge
31127-04	180° cylinder valve with pressure gauge and EFV
31127-07	In-line cylinder valve with ratchet and EFV
31127-08	90° cylinder valve

### 9 L, 30 year



Part No.	Description
31129-02	90° cylinder valve
31129-04	180° cylinder valve with pressure gauge and EFV
31129-08	In-line cylinder valve with ratchet and EFV

### 6.8 L, NLL



Part No.	Description
336290824	In-line cylinder valve
336290828	180° cylinder valve with pressure gauge
336291186	180° cylinder valve with pressure gauge and EFV
336291183	In-line cylinder valve with ratchet and EFV
30076-05	90° cylinder valve

### 9 L, NLL



Part No.	Description
336291328	180° cylinder valve with pressure gauge and EFV
336291323	In-line cylinder valve with ratchet and EFV

## Full Composite Cylinder with plastic liner

### Spirolite Single Cylinder



Part No.	Description
98404-03	6.7 L, 90° cylinder valve
98403-08	6.7 L, 180° cylinder valve with pressure gauge and EFV
98708-01	3.4 L, 90° cylinder valve, M17x1.5
98708-02	3.4 L, 180° cylinder valve with pressure gauge, M17x1.5

### Spirolite Cylinder Pack



Part No.	Description
98422-02	2 x 3.4 L, M17x1.5 ("323.4"), with pressure gauge
98401-02	2 x 6.7 L ("326.7"), with pressure gauge

## Steel Cylinder

### 6 L Steel Cylinder



Part No.	Description
98832-01	In-line cylinder valve
98442-13	90° cylinder valve
336291310	180° cylinder valve with pressure gauge
336291191	In-line cylinder valve with ratchet and EFV
336291200	180° cylinder valve with pressure gauge and EFV



# SCBA ACCESSORIES



Part No.	Description
31301-51	D-ring, small, 10-pack
31387-51	D-ring, large, 10-pack



Part No.	Description
31380-51	Holder for Spiromatic regulator



Part No.	Description
31381-51	D-ring strap



Part No.	Description
31382-51	Accessory holder



Part No.	Description
31383-51	Face mask holder, 10 pack



Part No.	Description
31356-51	Chest strap



Part No.	Description
460190627	Cylinder distance piece
460190099	Strap holder assembly



Part No.	Description
346190322	Cylinder T-piece for QS / QS II SCBA



Part No.	Description
30030-51	Cylinder T-piece for SpiroGuide / SpiroGuide II SCBA



Part No.	Description
336290021	Breathing valve holder S-PE
336290025	Breathing valve holder S-ESA
336290019	Breathing valve holder S-N



Part No.	Description
460190291	T-piece, Euro male
460190292	T-piece, Euro male and Euro female
460190293	T-piece, IS male connection



Part No.	Description
31257-51	Y-piece, Euro male and Euro female
31257-53	Y-piece, 2 x Euro female



Part No.	Description
SPII-M	SuperPASS II, non-movement alarm
336921700	SuperPASS II, non-movement and temperature alarm
336921560	Accountability key
336921653	Backplate with clip
<i>SCBA integrated version available on request.</i>	



Part No.	Description
99369-01	Filling Adapter with nozzle, for threaded connection



Part No.	Description
31480-01	Filling Adapter with nozzle, for Cylinder Quick Coupling



Part No.	Description
460190770	Discharge plug



Part No.	Description
331190831	Control pressure gauge



Part No.	Description
336190208	Modification kit, SMS to DIN



Part No.	Description
336190007	Revitox with 2,5 m hose, IS connection
336190795	Revitox with 2,5 m hose, Euro connection



Part No.	Description
336190038	Revitox mask with breathing valve
336190004	Revitox mask without blank cover, without breathing valve
336190025	Revitox breathing valve
336100892	Locking spring for Revitox breathing valve



Part No.	Description
336190037	Revitox hose, 2,4 m, female IS connection
336190794	Revitox hose, 2,4 m, female Euro connection
99026-01	Revitox adapter hose, 0,8 m, male IS connection
336190613	Adapter hose



Part No.	Description
96816	Filter IS 230 P3
96817	Filter IS 230 A2-P3
96824	Filter IS 230 A2B2E2K2-P3
336920724	Filter A2B2E2K2-HG-P3
99436-01	Filter IS 500 A2B2E2K2-HG-P3, aluminum case
336920725	Filter Type 86 A2B2E2K2-HG-P3, M45 x 3 connection



Part No.	Description
338190060	Coupling and hose for Chemical suit, IS connection with non-return valve opener
338190198	Coupling and hose for Chemical suit, IS connection

**NOTE!**

For Face Mask Accessories – see page 23 & 24

For Spiromatic S7 Accessories – see page 9



Part No.	Description
96036-01	SCBA case



Part No.	Description
95198-51	Protective plug R 5/8, brass



Part No.	Description
346950002	SCBA soft bag



Part No.	Description
336190257	Plastic protective cap R 5/8, yellow, 3 pack (for threaded regulator connection)
460190551	Plastic protective cap, yellow, 10 pack (for M16 breathing valve connection)



Part No.	Description
331950280	Mask bag, blue



Part No.	Description
31391-51	Dust cover, male connector, 10 pack
31392-51	Dust cover, female connector, 10 pack



Part No.	Description
999000514	Mask bag, black



Part No.	Description
97604-51	Storage bag for Revitox mask and hose



Part No.	Description
31789-51	Protective plug for Cylinder Quick Coupling, regulator part, 10 pack
31788-51	Protective plug for Cylinder Quick Coupling, cylinder valve adapter, 10 pack



Part No.	Description
336921770	Cylinder cover for 6.7 L cylinder
336921774	Cylinder cover for 6.8 L cylinder
336921776	Cylinder cover for 6.8 L cylinder, NLL
336921771	Cylinder cover for 9 L cylinder

**NOTE!**

For Face mask accessories – see page 23 & 24

For Spiromatic S7 accessories – see page 9

# SPIROCOM VOICE COMMUNICATION SYSTEM

Teamwork requires good, open communication, and now SpiroCom makes communication easy and effective. The mask mounted SpiroCom unit is unique with its combination of hands-free team talk, integrated voice amplifier and wireless radio interface.



# SPIROCOM VOICE COMMUNICATION SYSTEM

SpiroCom has a voice-activated, full duplex team radio. Fire fighters on the team can communicate without difficulty and maintain crucial contact without needing to push any buttons.

The team can access the long distance radio if one of its members has a radio with a SpiroCom radio adapter. Any of the fire fighters on the team can contact the commanding officer on the outside at any time.

If the team carries more than one long distance radio with a SpiroCom radio adapter, automatic exchange takes place to ensure external contact if a radio should fail.

With the Voice Projection Unit (VPU), fire fighters can also communicate with people in distress during critical situations where the environment and noise level require extra volume.






## SpiroCom Mask Unit

The SpiroCom mask unit can be installed on all S-Face masks except versions for helmet adapters. The SpiroCom mask unit can be installed on all Spiromatic face masks that have a speech cone. A special kit is listed below with the SpiroCom mask unit and speech cone kit for the Spiromatic face mask.

The “fixed group” option listed below is configured to prevent the group number from being changed during use; the unit must be switched off and restarted to change the group number.

### Mask unit for S-Face mask



Part No.	Description
30920-01	US frequency 
30920-10	EU frequency 
30920-13	EU frequency, fixed group 

### Mask unit for Spiromatic face mask



Part No.	Description
30920-16	EU frequency with speech cone
30920-17	EU frequency with speech cone, fixed group

### Mask unit for S-N, S-PE & S-ESA mask





Part No.	Description
30920-20	EU frequency

## SpiroCom Radio Adapter

### Radio Adapter for Motorola GP340/HT1250



Part No.	Description
30921-01	US frequency 
30921-10	EU frequency 

SpiroCom Radio Adapters for additional radio models will be made available during 2011. Contact Interspiro for further information.

## SpiroCom VPU

### Voice Projection Unit



Part No.	Description
31180-01	Standard configuration for S-Face mask and Spiromatic face mask



# SPIROLINK TELEMETRY SYSTEM

SpiroLink is a completely new system that offers the team leader an effective on-location tool for monitoring firefighters. Years of experience from critical operations have developed the reliable, clear and simple interface that users encounter in SpiroLink.



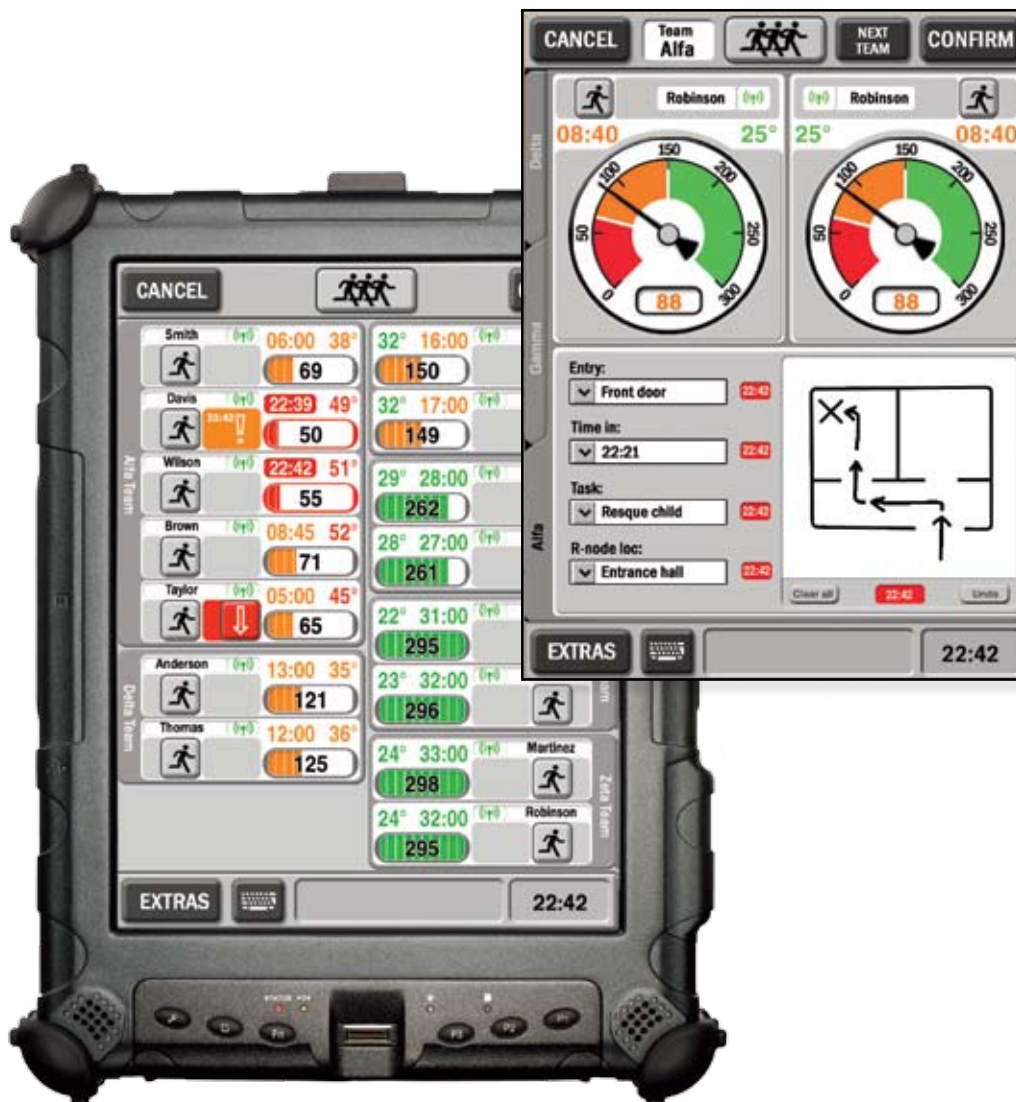
# SPIROLINK TELEMETRY SYSTEM

The team leader has an overview of all the firefighters at the location and is able to act in time. The touch screen of the Entry Control Unit (ECU) has clear symbols and only a few buttons.

The compact telemetry unit on the SCBA is located between the cylinder and back plate, and is integrated in the breathing apparatus. Contact with the ECU is automatically activated as soon as the breathing apparatus is pressurized.

Before a new shift starts at the fire station, name and team affiliation for each firefighter are easily and quickly transferred. SpiroLink's effective ID system automatically connects and identifies the firefighter by name when the breathing apparatus is pressurized.



SpiroLink's repeater creates a safe link even in tough radio environments. Range can even be secured in subterranean tunnels, skyscrapers, compact concrete structures or screened-off industrial buildings.



## SpiroLink Entry Control Unit (ECU)

The portable ECU is delivered with a radio unit and software installed on a rugged laptop.





Part No.	Description
31441-01	EU frequency 
31441-02	US frequency 

## SpiroLink SCBA Telemetry Unit

Telemetry unit to be attached to the SCBA.





Part No.	Description
31199-01	EU frequency 
31199-02	US frequency 

The SCBA telemetry unit only connects to telemetry enabled versions of Spiromatic S7 and SpiroGuide II.

## SpiroLink Repeater

Up to four repeaters can be connected to one Entry Control Unit.



Part No.	Description
31445-01	EU frequency 
31445-02	US frequency 

## SpiroLink ID System

SpiroLink ID writer, ID cards and software.



Part No.	Description
31196-01	ID writer
31197-51	ID cards, 10 pack
31198-01	ID software

# EMERGENCY ESCAPE EQUIPMENT

The Emergency Escape Breathing Device (EEBD) is used to escape from smoke-filled or toxic environments. It is commonly used onboard ships and in industrial facilities and can be used as rescue equipment in official buildings.

The Spiroscape EEBD is an open circuit unit that uses compressed breathing air. The M-20.2 EEBD is a closed circuit unit that uses compressed oxygen. The Emergency Breathing Apparatus (EBA6.5) has longer duration time than the EEBD, and is typically used for mine rescue.





# SPIROSCAPE EMERGENCY ESCAPE BREATHING DEVICE

Spiroscape is a very simple unit to use. Once donned, the user is able to focus on escape. This is made possible with the unique ambient air valve which automatically opens when the cylinder is depleted. The automatic ambient air valve eliminates the risk of suffocation inside the hood and eliminates the need to waste breathing air on a low air warning alarm.

The patented air distribution system expels Carbon Dioxide from the hood, thus optimizing air usage from the cylinder. The air flow is activated by pulling the quick start strap, which simultaneously opens the zipper on the carrying bag and gives the user access to the hood.

An anti-tamper tag verifies the integrity of the unit, and the cylinder contents gauge can easily be viewed from the outside.

Hood with visor, inner mask and flexible neck sealing



Automatic air valve



Pressure gauge visible through clear window



Carrying strap

Quick start strap activates unit automatically

## Spiroscape

The CE approved unit has a 200-bar, 3 L steel cylinder rated for 15 minutes' escape time. It can be ordered with empty or filled cylinder.

The NIOSH approved unit has a 3000-psi cylinder rated for 10 minutes' or 15 minutes' escape time.

The Spiroscape Auto-fill adapter is required to refill the cylinder from a compressor.

### Spiroscape 200 bar, 15 minutes, CE approved



Part No.	Description
95300-02	Filled cylinder
95300-02EMPTY	Empty cylinder

### Spiroscape 3000 psi, NIOSH approved



Part No.	Description
95300-11	10 minutes
95300-12	15 minutes

### Spiroscape Auto-fill adapter



Part No.	Description
95360-02	200 bar version
95360-04	3000 psi version

## FACTS

Thanks to the automatic hatch on the Spiroscape hood, it can be kept on the user's head without any risk of suffocation, thus eliminating the need for a warning device. Furthermore, it saves breathing air and minimizes the need for user training.



# M-20.2 EMERGENCY ESCAPE BREATHING DEVICE

The M-20.2 is rated for 10 minutes' escape time. The normal duration is at least 15 minutes during a maritime-based escape and at rest it can provide protection up to 32 minutes.

It can be donned in seconds and oxygen starts to flow automatically. The attached hood can be donned at any time during the escape. The compressed oxygen and mouth piece combination allows the unit to be donned in a smoke filled environment.

The M-20.2 is so compact and light weight that it can be worn on the belt in all confined spaces.

The 15-year service life gives a very low life cycle cost. Annual shipboard visual inspection is the only required action since the cylinder is not subject to periodic inspection.

The M-20.2 is the most commonly used Emergency Escape Breathing Device (EEBD) and has been selected for exclusive use by several naval organizations around the world.



## M-20.2 Emergency Escape Breathing Device (EEBD)

### M-20.2 Maritime, CE Approval



Part No.	Description
940077	Standard configuration

### M-20.2 Training Unit



Part No.	Description
940012	With face shield
<i>Available on request.</i>	

### Storage Racks and Brackets



Part No.	Description
648062	Wire storage rack

Part No.	Description
648061	Storage rack, steel, with retaining strap
648064	Storage rack, aluminum, with retaining strap
648066	Multi-rack, aluminum
648060	Multi-rack, steel

*Available on request.*

### M-20.2 Training Kit (including training unit)

Part No.	Description
940002	NTSC
940006	PAL

## FACTS

The M-20.2 does not require mandatory hydrostatic testing every five years. It can be placed on a ship for 15 years without ever leaving the ship for service. The only requirement is a visual inspection every two years by shipboard personnel, which does not require opening the M-20.2 EEBD.

# EBA6.5 EMERGENCY ESCAPE BREATHING APPARATUS

The EBA6.5 supplies the wearer with more than 90 minutes of oxygen during a typical mine escape – up to 8 eight hours of oxygen at rest – performance that widely exceeds standards. The EBA6.5 uses compressed oxygen as a source rather than generating oxygen from chemicals. The oxygen content indicated on the gauge is always visible for inspection through the clear, tamper-proof sealed case.

The EBA6.5 is a highly reliable breathing apparatus, and has been tested in life-threatening situations throughout the world. Thousands are currently in service in mines in Australia, Canada, Chile, South Africa and the United States.



## EBA6.5 Emergency Escape Breathing Apparatus



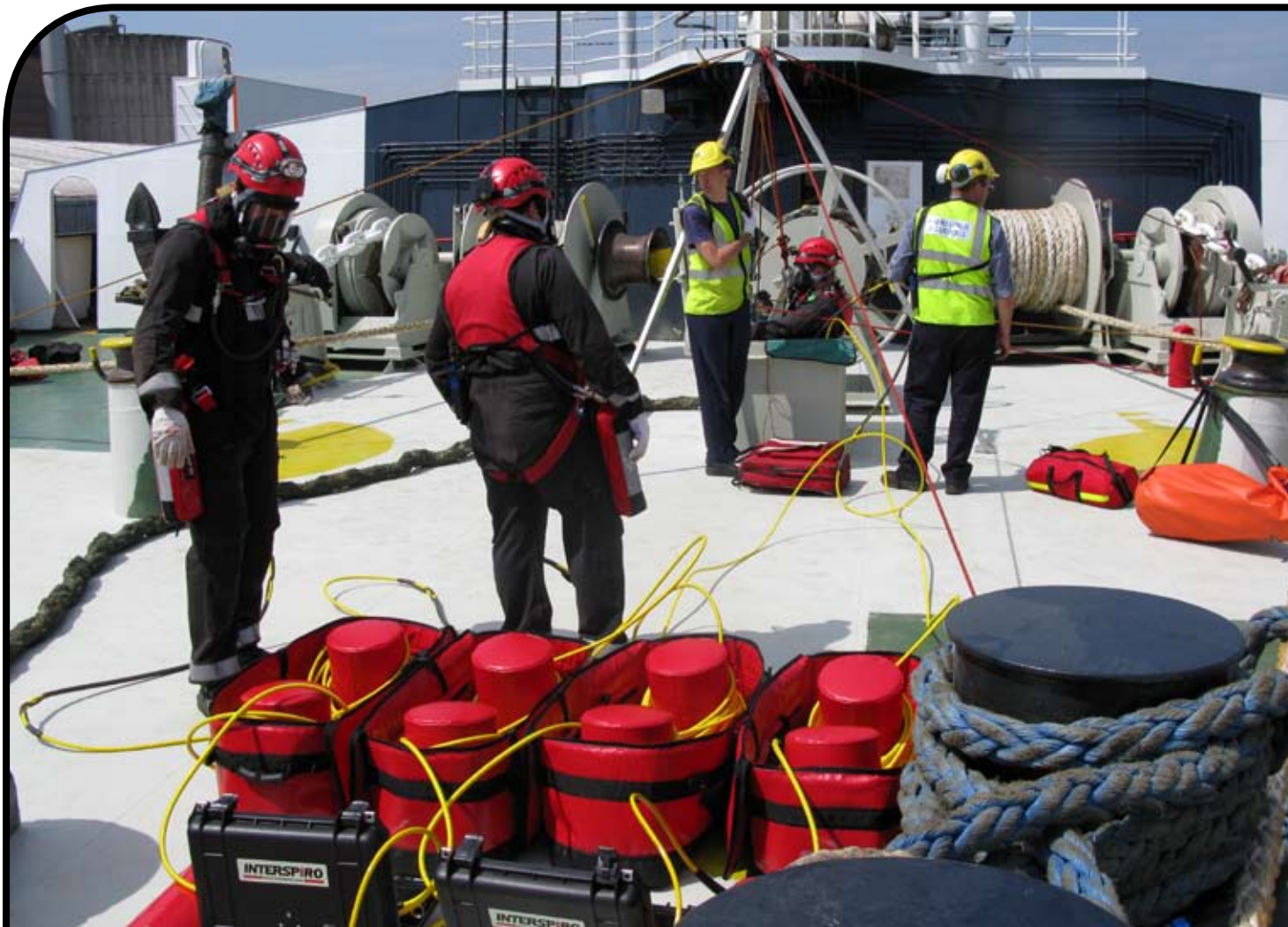
Part No.	Description
940066	CE version

*Available on request.*

# SPIROLINE AIRLINE SYSTEM

The Spiroline system is suitable for maintenance and rescue work in confined spaces where conventional breathing apparatus would make access difficult. It also provides a convenient way to perform decontamination procedures and search and rescue operations.

The Spiroline system is available as a conventional medium-pressure system but also as a ground-breaking high-pressure system.





# SPIROLINE MEDIUM PRESSURE (MP)

Spiroline MP is an airline system that supplies medium pressure to the user.

A mobile and easy-to-handle TRS (Twin Regulator System) unit is used to distribute the air from air sources through the supply hose to the user.

Aided by pressure gauges and warning whistles, the attendant is in control of the air supply and prepared to change the air source when necessary.



TRS Unit

Mobile unit with two connections for cylinders/air supplies, each with a pressure regulator, a pressure gauge and a warning whistle. Medium-pressure gauge and two connections for airline hoses.



Trolley

Fits 2-4 cylinders with volume from 4 L to 9 L. Thirty-meter airline hose mounted on hose reel. Manifold with two pressure regulator, high-pressure gauges and warning whistle.



Supply Hose

Medium-pressure supply hose with one male and one female connection.



Spiroline Belt

Hip-worn belt with waist buckle and breathing hose to mask. Optional pressure gauge.

## Air Supply

### TRS Unit



Part No.	Description
336190560	2xEuro connections
336190561	2xIS connections

### Spiroline Regulator



Part No.	Description
336190629	2 x Euro connections
336190630	2 x IS connections

### Trolley



Part No.	Description
1002112/ CEJN	Euro connections

*Available on request.*

### Medium Pressure Supply hose, IS connection



Part No.	Description
3-6050	10 meter
3-6051	15 meter
3-6052	20 meter
3-6053	25 meter
3-6054	30 meter

### Medium Pressure Supply hose, Euro connection



Part No.	Description
30105-04	25 meter
30105-05	30 meter

## User Interface

### Spiroline belt



Part No.	Description
336190621	IS male connection
336190622	IS male connection and pressure gauge
336190641	Euro male connection
336190642	Euro male connection and pressure gauge

### QS Bail-out unit



Part No.	Description
99224-01	IS connection
99224-02	Euro connection

## FACTS

If a bail-out set without warning device is used while the cylinder valve is open, the wearer must monitor the pressure gauge throughout the mission to ensure that no breathing air is taken from the bail-out cylinder.

## NOTE!

For Face Masks – see page 20  
For Cylinders – see page 26



# SPIROLINE HIGH PRESSURE (HP)

Spiroline HP is an innovative airline system that supplies high pressure all the way to the user. The air supply is a unique high-pressure supply hose with a small diameter and low weight. A 60-meter supply hose only weighs 5.3 kg and is extremely easy to handle. The hose dimension and weight make it possible to have hose lengths up to 120 meters.

The supply hose is available with a connector including warning whistle that warns the user if pressure in the air supply is disrupted.

The mobile and easy-to-use distribution panel is suitable for rapid deployment in remote locations.



**Spiroline DP1**

Mobile distribution panel with two connections for cylinders/air supplies. Central block with pressure gauge and warning whistle automatically switches to the air supply with the highest pressure.



**Spiroline DP1, large box**

The box has space for two short supply hoses and includes cylinder hooks to accommodate cylinders on the side of the box.



**High Pressure Supply hose**

High-pressure hose available in different lengths. Euro or IS connector. Some versions available with warning whistle.

## Distribution Panel (DP1)

### Spiroline Distribution Panel, DP1



Part No.	Description
96710-02	Standard configuration

### Spiroline Distribution Panel, DP1



Part No.	Description
98980-01	Large box
<i>Available on request.</i>	

### High Pressure Supply hose



Part No.	Description
96725-11	IS female connection, 60 meter
96725-31	Euro female connection, 60 meter
96725-21	Warning whistle, Euro female connection, 60 meter
<i>Available on request.</i>	

The above hose configurations are also available in 10 m, 30 m, 90 m and 120 m lengths.

## FACTS

A high-pressure supply system gives a considerably lighter hose, which is far easier to handle, allowing longer hose length compared to a conventional medium-pressure supply system.

## User Interface

### Spiroline belt



Part No.	Description
336190621	IS male connection
336190622	IS male connection and pressure gauge
336190641	Euro male connection
336190642	Euro male connection and pressure gauge

### QS Bail-out unit



Part No.	Description
99224-01	IS connection
99224-02	Euro connection

## NOTE!

For Face Masks – see page 20  
For Cylinders – see page 26

# **SERVICE & SUPPORT**

## **SERVICE AND MAINTENANCE**

**Breathing Apparatus from Interspiro is an investment with a long service life provided it is properly maintained. Interspiro offers several service options to ensure optimal fit with your organization. A combination of these solutions can be offered to best correspond to your needs. All service options are not available on all markets.**

### **SERVICE COURSES**

Service courses train service technicians to perform maintenance and repairs within your organization. After attending the service course, a personal service card is issued for each individual together with a comprehensive documentation package.

### **SEND US YOUR EQUIPMENT**

Products can be sent to Interspiro for maintenance by Interspiro service personnel at our facilities.

### **INTERSPIRO STATION SERVICE**

Interspiro service personnel can perform service work at your location.

### **FULLY MANAGED SERVICE**

Fully managed service at a fixed yearly cost where Interspiro handles all maintenance work.

## **SERVICE KITS**

To simplify service and to obtain maximum product performance the Interspiro Service kits are used. These kits are available for all system products and contain all spare parts necessary to perform preventive maintenance.

A certified service technician can identify and order these service kits using the spare parts list and can perform all preventative maintenance at your location.



# PRODUCT INFORMATION

You can get more information about our products from your local dealer or download from [www.interspiro.com](http://www.interspiro.com).

## PRODUCT BROCHURES



Spiromatic S7  
31594



SpiroGuide II  
31421



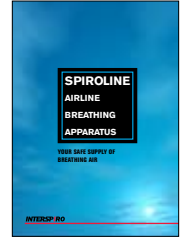
QS II  
31422



SpiroCom  
31419



SpiroLink  
31420



Spiroline  
99291

## PRODUCT LEAFLETS



Spiromatic S7  
31865



SpiroGuide II  
31892



SpiroGuide II - HUD  
31893



QS II Harness  
31888



QS II Regulator  
31889



Cylinder Quick  
Coupling 31446



S-Mask, Hatch  
31883



S-Mask, First br.  
31884



S-ESA Mask  
31885



S-PE Mask  
31886



S-N Mask  
31887



SpiroCom  
30815



SpiroLink  
30879



Spiroscape  
99382



M-20.2 Leaflet



EBA6.5 Leaflet



Spiromatic 90U  
97123



Spiromatic 90USA  
30962



Spiromatic 90USA-S  
30963



Interspiro has 70 years of experience as a groundbreaking innovator of respiratory protection for non-breathable environments. Interspiro is a supplier of respiratory protection to defense military organizations, fire and rescue services, industries, utilities, shipping and diving companies around the world. Interspiro is an Ocenco Group company. Ocenco ranks among the world's largest respiratory protection companies.

# INTERSPIRO

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