

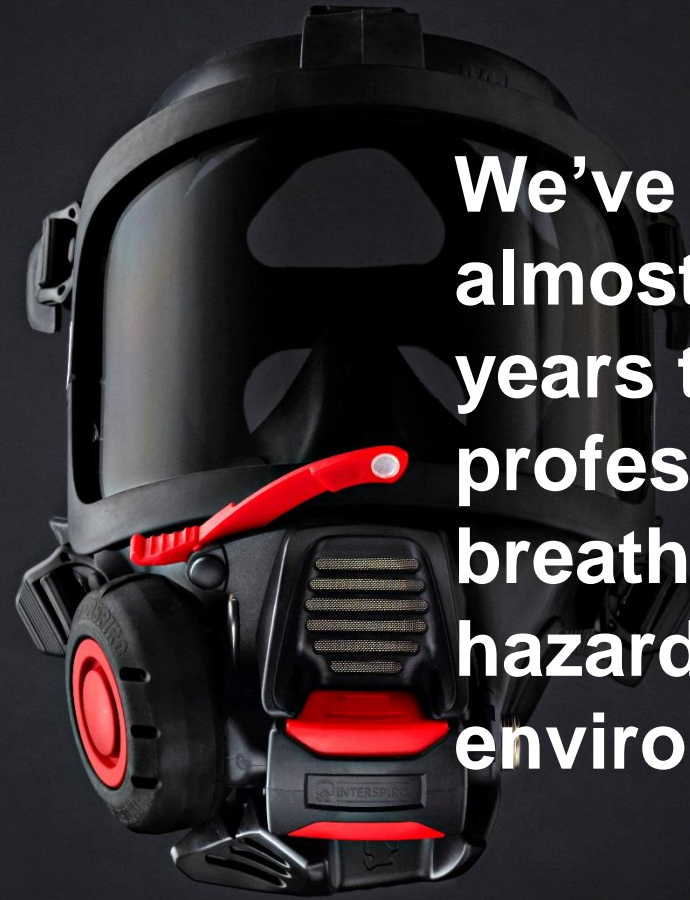


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**INTERSPIRO**

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Keeps You Breathing



**We've worked for  
almost a hundred  
years to keep  
professionals  
breathing in  
hazardous  
environments**



# History

Keeping professionals breathing – for almost a hundred years

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- Interspiro began as a part of AGA, founded in 1904 by Nobel Prize winner Gustaf Dalén
- The company's leading position in regulator technology paved the way for advanced applications in the field of respiratory protection
- First breathing apparatus:
  - » for firefighting, in the early 1920's
  - » for diving, in 1948
- “AGA Spiro” became Interspiro in 1983



# Technological Milestones

Many of our breakthroughs have become industry standard

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- 1965 300 bar technology was introduced
- 1971 Positive pressure was invented
- 1977 Ventilation of gas-tight suits
- 1991 Full composite cylinders
- 1996 Computerized SCBA – Spirotroniq
- 1997 Integrated ambient air hatch – S mask
- 2002 CBRN approved SCBA
- 2003 High pressure surface supply – DP1
- 2010 Hands-free team talk – Spirocom
- 2015 Harness with a minimum of textile – Incurve

# Interspiro World

Interspiro is a member of the Ocenco Group

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- **Headquarters**
  - » Interspiro AB (Sweden)
- **Sales & Service Companies**
  - » Interspiro Inc. (USA)
  - » Interspiro GmbH (Germany)
  - » Interspiro Ltd. (United Kingdom)
  - » Interspiro GesmbH (Austria)
  - » Interspiro BV (Netherlands)
  - » Interspiro AG (Switzerland)
  - » Interspiro Sdn Bhd (Malaysia)
  - » Interspiro Safety Equipment Pvt Ltd (India)
  - » Distribution in more than 100 countries
- **Production & Central Warehouse**
  - » Interspiro Production SIA (Latvia)





### Firefighting

Breathing apparatuses for  
fire services and other  
first responders



### Diving

Breathing apparatuses for  
professional divers



### Shipping & Industry

Breathing protection for  
industrial use



# Firefighting

# SCBA

## Self-Contained Breathing Apparatus

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- **Incurve™**
- **Spiromatic S8**
- **Spiroguide II**
- **QS II**
- **QS II-R**
- **Spiromatic 90U**





# Masks

## Face masks and breathing valves

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- Inspire™
  - » **Inspire-H** with ambient air hatch
  - » **Inspire-A** without hatch
- S Series
  - » **Ambient Air Hatch**
  - » **First Breath**
  - » **PE / ESA / N**

# Spirocom™

## Simpler communication – safer work

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- Mask unit, EX classed with digital radio
  - » **Spirocom XXL** wireless + TeamTalk + PTT (external loudspeaker optional)
  - » **Spirocom XL** wired + TeamTalk + PTT
  - » **Spirocom L** wired + PTT
- Adapter
  - » For wireless transmission between mask unit and long-range radio
  - » 3 models
- Bluetooth
  - » For wireless transmission between mask unit and long-range radio

# Product Approvals

## Firefighting

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- Europe: “CE-marking”: PPE-Directive, MED-Directive, PED-Directive
- Europe: Ex
- Poland: CNBOP
- Germany: VFDB
- Austria: KS10
- Russia: VNIPO
- Australia: Standards mark
- Ukraine: Tecko
- China: LA, CCCF
- India: PESO
- USA: NIOSH, NFPA, CBRN, UL 913



# Cylinders

## Single cylinders or cylinder packs

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- Ultra-light composite
- Composite with aluminum liner
- Spirolite full composite
- Steel



# Product Approvals

## Cylinders

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- Europe: “CE-marking”, PED-Directive
- Worldwide: ISO
- USA: DOT
- Canada: TC
- Under Water (UW) approval

# Accessories

## For SCBA

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- **E.A.S.E.** - Emergency Air Supply Equipment
- **EVAC** hood
- **SuperPass 2** - Personal Alert Safety Systems
- **Revitox** mask





# Diving

Keeps You Breathing



Photo by: Rune Benjaminsen

# The Divator™ Mask

World's most sold full face mask

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- Balanced breathing valve
  - » High air flow capacity
  - » Low breathing resistance
- Full face mask
  - » Low volume visor
  - » Excellent field of vision
- Can be equipped with
  - » HUD (Heads-Up Display) low air warning
  - » Hatch, ambient breathing valve
- Prepared for underwater communication



# Regulators

Designed for tough professional use

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- **RS4**
  - » Safety pressure to ensure no freezing
  - » Robust shockproof design with rubber cover
  - » Adjustable outputs for improved ergonomics
- **MKIII**
  - » Dual first stage regulators integrated in one unit
  - » Safe transition to reserve air mode with “Pull for air”-solution
- **MKII**
  - » Chest mounted reserve valve and surface supply connection
  - » Approved for use in cold waters





# Composite Cylinders

## Divator Lite

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- Light out of water, perfectly balanced under water
- Removable compensating weight between the cylinders
- The first composite cylinder approved by US Department of Transportation (DOT) for underwater use

# Carrying System

## BC's and harnesses for professional divers

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- **Rescue BC**
  - » For contaminated waters
  - » Approved as a Combined Buoyancy and Rescue Device (CBRD) *EN12628*
  - » Approved as a Buoyancy Compensator (BC) *EN1809*
- **BCW**
  - » Combines high quality heavy duty construction, weight integration, and rear wing style buoyancy.
- **Harness**

# DP1 Surface Supply

A truly light weight and portable surface supply

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- No need for manual adjustment of pressure for various depths
- Attendant can focus on the safety of the diver
- Light and compact design allows rapid deployment
- Strong but lightweight supply hose



# IS-Mix

## Semi closed circuit system

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- Mixed Gas semi closed rebreather system
- Low magnetic & acoustic signature
- Developed for autonomous diving to 120 m
- DPX surface supply as option
- Suitable for Nitrox, Heliox and Trimix
- Full face mask with switch over valve to secondary breathing & communication
- Easy to use and maintain
- Excellent breathing & diving comfort



# OX10

## Closed circuit system

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- Max diving depth 10 m
- Long duration > 180 min
- Closed circuit
- Excellent breathing & diving comfort
- Easy to use and maintain

# Product Approvals

## Diving

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- Europe: “CE-marking”: PPE Directive, PED Directive
- Germany: VFDB, BWD
- USA: US Navy Approval

# Shipping & Industry





# Emergency Escape Equipment

For escape from smoke-filled or toxic environments

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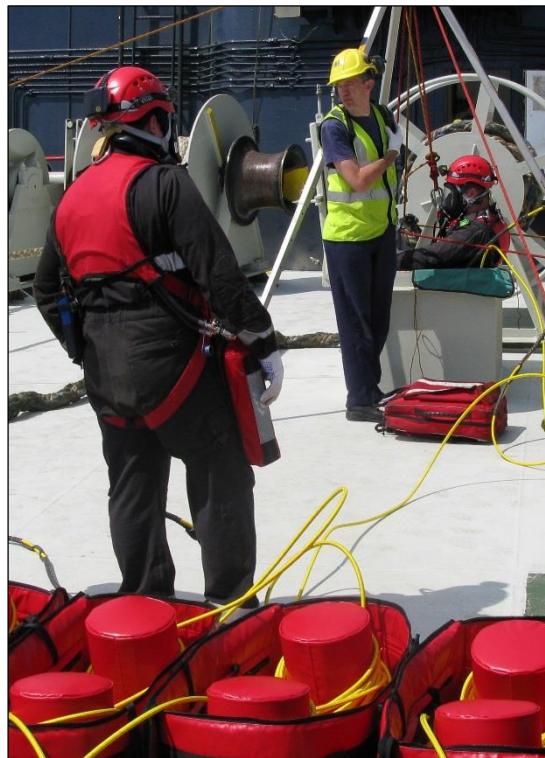
- **Spiroscape Emergency Escape Breathing Device (EEBD)**
  - » 200 bar version, 15 minutes & CE approved
  - » 3000 psi version, NIOSH approved
- **M-20.2**
  - » Compact and light-weight
  - » Most commonly used Emergency Escape Breathing Device (EEBD)
- **EBA6.5**
  - » More than 90 minutes of oxygen
  - » Highly reliable, tested in life-threatening situations

# Product Approvals

## EEBD – Emergency Escape Breathing Device

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- Europe: “CE-marking”: PPE Directive, MED Directive, PED Directive
- USA: NIOSH, DOT
- Worldwide: ISO

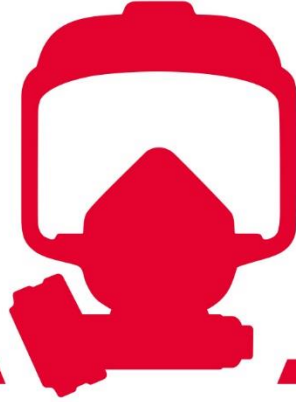


# Spiroline

## Airline system

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- Suitable for work in confined spaces
- For decontamination procedures or search and rescue operations
- Available as:
  - » medium-pressure system
  - » high-pressure system



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