

PremAire® Escape

Compressed Air Emergency Escape Breathing Device



H₂S Tested!

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

Safe Escape in Harsh Chemical Environments

The **PremAire Escape** is a positive pressure Short Duration Compressed Air Emergency Escape Breathing Device (EN 402) that provides respiratory protection while escaping from toxic atmospheres. It was designed with extensive input from Oil & Gas customers from all over the world who highlighted the need for a fast to don and easy to use respirator with components that withstand the highest levels of potential industrial gas leaks and the harsh chemical environment.

The PremAire Escape enables the wearer to escape without difficulty from a potentially hazardous environment. It offers a duration of 10-15 minutes for safe escape. The standard PremAire Escape is equipped with a 3S full face mask. For potential high concentration industrial gas leaks, like deadly H₂S, the device is available with the PremAire Mask-Hood.

Components

The major components of the PremAire Escape have undergone critical high concentration H₂S testing.

- 3S full face mask or PremAire Mask-Hood
- AutoMaXX lung-governed demand valve
- Combination pressure reducer, cylinder valve assembly and medium pressure line
- Carrying bag with neck strap and base support
- Compressed Air Cylinder
- Filling adaptor (optional QuickFill adaptor can be easily attached)
- Medium pressure (airline) connection (optional)
- Warning signal (optional)



Features & Benefits

One-Piece Cylinder Valve and First Stage Pressure Reducer

- Reduces size and profile

Pressure Gauge recessed into Valve Housing

- Protects gauge
- Reduces size and profile

Easy Access Filling Port

- Convenient and fast refilling of the compressed air cylinder
- No restrictions in compressor filling pressure (200 or 300 bar)
- Ease of attaching QuickFill adaptor

2.0 l and 3.0 l Composite or Steel Cylinder Options

- Rated duration of 15 or 20 minutes

PremAire Mask-Hood

- Two independent protection barriers
- High protection factors in sour oil & gas and chemical applications
- Straightforward and easy donning
- Simplistic training requirements
- High visibility (orange hood)

Carrying Bag

- Base support provides protection for compressed air cylinder
- Ease of stacking in storage
- Fullfills the antistatic requirements of EN 402

Option of Low Pressure Whistle

- Increased safety
- Meets special requests for a low pressure warning

Patent-pending

PremAire Escape with PremAire Mask-Hood

The PremAire Escape with PremAire Mask-Hood is suitable for sophisticated escape scenarios especially when the concentrations of industrial gases like H₂S are very high. The mask-hood design is based on the proven 3S full face mask, which was sold in millions over the last decades.

The integrated mask-hood combination has two independent protection barriers. The first protection seal is the original tight fitting face seal in combination with the positive pressure created by the field proven AutoMaXX lung-governed demand valve. The second protection barrier is created by the hood/neck seal which isolates the face piece sealing line fully from the ambient gaseous atmosphere.

In addition the innovative, patent-pending PremAire Mask-Hood design enables a continuous flushing of the hood with exhaled clean air.

The components used in manufacturing were tested in a third party test house against real H₂S at concentrations exceeding 25% by volume and the permeation detected was minimum. The hood material was also tested and it causes no skin irritations.



For high concentration
H₂S escape scenarios

PremAire Escape with 3S Full Face Mask

The PremAire Escape with 3S full face mask is suitable for standard escape scenarios where industrial gas concentrations are under control.

The 3S offers safety, comfort and durability. The harness allows for quick donning in case of an emergency. The face blank is made of a soft rubber compound and has a wide sealing frame and deeper chin stop for a snug and comfortable fit. The inner mask enables an optimal air flow and eliminates lens fogging. The lens is made of impact-resistant polycarbonate and offers a wide field of vision for a safe escape.



Ordering Information

PremAire Escape	
10152573	PremAire Escape, with 3S full face mask, 2 l steel cylinder (empty)
10152751	PremAire Escape, with 3S full face mask, 2 l steel cylinder (charged)
10152574	PremAire Escape, with 3S full face mask, 2 l composite cylinder (empty)
10152752	PremAire Escape, with 3S full face mask, 2 l composite cylinder (charged)
10151746	PremAire Escape, with PremAire Mask-Hood, 2 l composite cylinder (empty)
10142938	PremAire Escape, with PremAire Mask-Hood, whistle, 2 l composite cylinder (empty)
10152753	PremAire Escape, with PremAire Mask-Hood, 2 l composite cylinder (charged)

Accessories	
10142939	PremAire Mask-Hood (replacement)
10127956-SP	PremAire QuickFill Connector

Technical Specifications

Full Face Mask	NBR
Mask-Hood	Cotton blend with Para Aramid antistatic filament & inside PU coating
Air Cylinder	2.0 l or 3.0 l composite or 2.0 l steel
Carrying Bag	Polyester fabric with PVC coating
Weight (approx.) <i>ready for use with 3S mask and 2 l composite cylinder</i>	4.5 kg
Weight (approx.) <i>ready for use with mask-hood and 2 l composite cylinder</i>	4.7 kg
Nominal Duration Time acc. to EN 402 (at 300 bar)	15 or 20 minutes
Operating Pressure	300 bar (also 200 bar)
Operating Temperature	-40 °C to +60 °C
Approvals	EN 402
Additional Certifications	3rd Party H ₂ S Permeation Testing



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