

PremAire® Combination

Combination Airline Escape Respirator



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

Streamlined Design for Industrial Airline Applications



The **PremAire Combination**, a Combination Supplied Airline Respirator with compressed air cylinder, is designed to be versatile, comfortable, and affordable. A streamlined design offers a first stage pressure reducer and cylinder valve within one assembly, creating a very small size and profile that is less likely to snag when working in confined space or tight places.

The PremAire Combination can be equipped with either the 3S-PS-MaXX or the Ultra Elite-PS-MaXX full face mask in combination with the AutoMaXX-AS lung-governed demand valve.

Configurations

Depending on the type of application or approvals requested, four different configurations can be ordered:

PremAire Combination Escape

Escape only respirator approved to EN 402

PremAire Combination Airline/Escape

Airline/Escape respirator approved to EN 14593-1 and EN 402

PremAire Combination Airline/SCBA

Airline/SCBA respirator approved to EN 14593-1 and EN 137

PremAire Combination Mini

Short duration SCBA approved to EN 137-type I

Features & Benefits

Holster Carrier

- Allows straightforward attachment/detachment of air cylinder

Hip Belt & Shoulder Harness Assembly

- Intuitive fast donning
- Improved comfort and ergonomics for long duration jobs
- Easy left to right hip positioning of air cylinder

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 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 Combination with 3S-PS-MaXX and AutoMaXX-AS



Pressure Reducer & Cylinder

A streamlined design combining the cylinder valve, cylinder gauge and first stage pressure reducer in one piece. A hard cover for this assembly ensures additional protection against accidental hits/drops while serving as a convenient handle.



Hip Belt & Shoulder Harness

The belt and shoulder harness assembly provides increased comfort while easily allowing the repositioning of the air cylinder from the right hip to left or any other comfortable position, without the need of doffing the whole device (relieving stress points).



Holster Carrier

The holster carrier secures the air cylinder while allowing easy detaching/attaching of the cylinder when needed. For users working in confined space this feature allows high maneuverability in tight places and simplifies entry and exit from confined space access.



Automatic Switch Valve

The Automatic Switch Valve (ASV) is mandatory for supplied air respirators with airline connection and for devices which need to be approved to EN 14593-1. In case the external air source fails or the pressure drops to 4.3–5.3 bar, the valve switches automatically to supply air from the PremAire Combination compressed air cylinder. If the pressure of the main air supply again rises above 5.3–6.5 bar, the valve switches back to the external air source.



Ordering Information

PremAire Combination	
10124784	PremAire Combination Escape, with 3S full face mask, 2 l steel cylinder (empty)
10152727	PremAire Combination Escape, with 3S full face mask, 2 l steel cylinder (charged)
10124796	PremAire Combination Escape, with 3S full face mask, 2 l composite cylinder (empty)
10152728	PremAire Combination Escape, with 3S full face mask, 2 l composite cylinder (charged)
10124787	PremAire Combination Airline/Escape, with 3S full face mask, 2 l composite cylinder (empty)
10152730	PremAire Combination Airline/Escape, with 3S full face mask, 2 l composite cylinder (charged)
10152571	PremAire Combination Airline/SCBA, with 3S full face mask, 2 l composite cylinder (empty)
10152778	PremAire Combination Airline/SCBA, with 3S full face mask, 2 l composite cylinder (charged)
10152572	PremAire Combination Mini, with 3S full face mask, 3 l composite cylinder (empty)

For other configurations, please contact your local MSA affiliate.

Accessories	
10127956-SP	PremAire QuickFill Connector
10126349-SP	PremAire Combination Storage Case
10148378-SP	Leg Strap Assembly
10124537-SP	Extension Belt (PremAire Holster)

Technical Specifications

Full Face Mask	NBR
Belt & Shoulder Harness	Polyester fabric mix
Air Cylinder	2.0 l or 3.0 l composite or 2.0 l steel
Weight (approx.) <i>ready for use with 3S mask and 2 l composite cylinder</i>	5 kg <i>PremAire Combination Escape (EN 402)</i>
Nominal Duration Time (at 300 bar)	15 or 20 minutes
Operating Pressure	300 bar (also 200 bar)
Operating Temperature	-40 °C to +60 °C
Approvals	EN 402 EN 14593-1 EN 137



With the filling port fitted on the pressure reducer, all cylinder options can be conveniently filled by a 200 or 300 bar compressor without the need to detach the harness assembly or cylinder.

Applications

- Oil & Gas
- Chemical & Petrochemical
- Confined Space
- Tank Cleaning
- Hazardous Materials
- Firefighting Operations



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