The FLITE is an open circuit, positive pressure airline breathing apparatus generally comprising; bandolier harness, positive pressure airline apparatus consisting automatic positive pressure demand valve; supply hose and coupling for airline supply hose.

An additional coupling allows the connection of an emergency air supply cylinder which provides an independent air supply with a duration of 10 to 15 minutes, dependant on cylinder size.

The apparatus can be used with the full range of Sabre positive pressure facemasks as well as the Sprint positive pressure hood when used as an escape only apparatus.

The FLITE is specifically designed as an airline working set and with its optional hip mounted cylinder as an airline escape set, it has many applications but is particularly suited to confined space entry and the oil and gas industry. It is also suitable for providing respiratory protection in any IDLH environment.

With airline breathing apparatus the user’s safety is dependent upon outside influences – the airline supply could become disrupted. FLITE includes the option of an escape cylinder that can be added to the unit at any time, this serves as an important additional safety benefit to safeguard against a failure of the airline supply.

FLITE Escape is widely used by people working in confined spaces or hazardous environments, such as the oil and gas industry, where levels of H2S can be extremely high.

An additional coupling allows the connection of an emergency air supply cylinder which provides an independent air supply with a duration from 10 to 15 minutes, dependant on cylinder size.

The FLITE can only be used with VISION3 (3 different sizes), PROMASK PP and PANASEAL respiratory masks.

**INTRODUCTION**

**FLITE main advantages**

- Maximum respiratory protection with air intake
- Simple operation
- High performance pneumatics
- Easy to install on an existing device
- Wide range of masks
- Added safety of escape cylinder
- Numerous mounting capabilities
- Wide range of accessories (PVC or antistatic hoses, retractable hose reel...)
- Simple to service
- Low maintenance costs
Flite
Compressed air breathing apparatus

**NOMENCLATURE**

1. Full face positive pressure mask. Masks: VISION3 (3 different sizes), PROMASK PP, PANASEAL
2. TEMPEST demand valve: Compact positive pressure demand valve featuring servo-assisted, tilting diaphragm mechanism with low inspiratory resistance and responsive dynamic performance, automatic first breath actuation and hands free bypass facility. Components injection moulded from Polyamide and Acetyl with rubber seals and diaphragms. Peak flow performance: In excess of 500 litres/minute
3. Bandolier harness
4. Waistbelt
5. Hose coupling: CEN type couplings are the standard couplings that are used on airline equipment. These feature a safety locking mechanism that has a single action connect, but requires a double action to disconnect. The male couplings are fabricated from 316 grade stainless steel. The female couplings are fabricated from Nickel-plated brass with stainless steel locking balls. The female is a self-sealing coupling and can be connected and disconnected under pressure. The female is to a 344 pattern whilst the male coupling is to a longer 341 pattern which allows compatibility with the full range of 340 series couplings.
6. 10 and 15 minute steel cylinders or a 13 minute superlight carbon composite cylinder
7. Additional leg strap

**TECHNICAL FEATURES**

**WEIGHT**

<table>
<thead>
<tr>
<th>Flite (less cylinder)</th>
<th>1.9 kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flite with 10 minute cylinder</td>
<td>5.4 kg</td>
</tr>
<tr>
<td>Flite with 10 minute superlight cylinder</td>
<td>4.2 kg</td>
</tr>
<tr>
<td>Flite with 15 minute cylinder</td>
<td>7.5 kg</td>
</tr>
</tbody>
</table>

**PACKING SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Flite (less cylinder)</th>
<th>40x28x16cm</th>
<th>2.5 kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flite with 10 minute cylinder</td>
<td>56x21x18cm</td>
<td>6.0 kg</td>
</tr>
<tr>
<td>Flite with 10 minute superlight cylinder</td>
<td>56x21x18cm</td>
<td>5.0 kg</td>
</tr>
<tr>
<td>Flite with 15 minute cylinder</td>
<td>6x21x18cm</td>
<td>8.0 kg</td>
</tr>
</tbody>
</table>
The Airline Filtration Unit series of compressed airline filtration units has been designed to offer an economical means of ensuring compressed air conforms to breathing quality requirements. They offer the following features:

- Effective two-stage filtration of particulates including dust and oil droplets
- Charcoal element for removal of organic vapours
- Includes lightweight, robust carry frame, easily detachable for wall mounting
- Pop-up indicator to warn of prefilter clogging
- Autodrain to prevent build-up of oil
- Easy filter element replacement without use of tools

The units have the capacity to supply air flows to the latest recommendations for Breathing Apparatus and will assist in ensuring air quality can meet EN12021 and BS4275:1997 requirements.

- Particle removal 0.01μm
- Remaining oil content less than 0.003mg/m³ at 21°C

2 available models:
- AFU 300 Designed to supply a single BA wearer, this unit can filter in excess of 300 l/min air at inlet pressures over 4 bar
- AFU 600 Designed to supply at least two BA wearers, in excess of 600 l/min air is available at inlet pressures over 4 bar

IMPORTANT: These products do not guarantee breathing quality air. They do not filter Carbon monoxide, Carbon dioxide or other toxic gases. Always sight the compressor intake in a clean air zone and ensure the compressor is well maintained. It is a requirement to carry out regular checks of air quality, recommended at least monthly, to ensure air conforms to EN12021. Always replace elements at least yearly or sooner if indicated by air quality checks.

Vision 3 is offered in 4 different sizes and will accommodate a wide range of facial shapes and sizes. The facemasks are positive pressure and feature a Liquid Silicone Rubber outer mask with reflex seal and EDME oronasal inner mask. The facemask visor is multi curvature and made of a scratch and impact resistant polycarbonate material with a flame retardant coating and provides excellent panoramic vision. The visor is held in place by two U-shaped clamps. The mask allows the wearer to wear integrated spectacle frames, without compromising the facemask seal. The facemask is available with either a five-point fully adjustable neoprene strap style harness, a two-point adjustable polyester or Kevlar™ net style harnesses or a clamping system for the Gallet F1 Helmet. The facemask features a left hand side bayonet connection for the demand valve. An option of an additional right quick-fit port is available to take a communications interface if required.

Medium pressure inline whistle (035.146.00).
When placed in the airline system between the breathing hose and the user this device provides a safe, clear warning should the airline pressure drop below 4 bar

HP-RED2.
Reduces high pressure air from a single cylinder to medium pressure. As standard the HP-RED2 has a high pressure gauge fitted to display cylinder content. A 55 bar whistle is available together with a selection of connections to fit different types of cylinders.

Medium pressure test gauge (035.147.02).
Allows the user to check the pressure of the airline at the point of use.

Retractable hose reel. Provides a means of convenient storage for 15 meters of hose. It is designed to maintain a safe work area by allowing the user to control the amount of hose laid out. Supplied with PVC or anti-static hose and wall mounting bracket.
The Sabre Modulair is a compact, easy to use airline trolley system designed to provide portable clean air in restricted access areas.

Versatile and robust, it consists of a lightweight stainless steel hose reel unit and cylinder frame that can be used independently or together. The frame is designed to carry a pair of cylinders and, where required, an additional frame can be vertically stacked to allow connection of up to four cylinders.

This, in conjunction with proven 300 bar high performance pneumatics delivering up to 1000 litres of breathing air per minute, permits four people to work at the same time.

Long duration operation is made simple through adjustable cylinder bands and high pressure cylinder connectors to accommodate a variety of cylinder sizes at both 200 and 300 bar. Non-return bleed valves fitted to the cylinder connectors enable cylinders to be replaced independently for continuous operation.

To safeguard against any drop in air supply pressure the Modulair can be fitted with a medium pressure warning whistle or a DS4 (automatic distress signal unit) for both audible and visual alarms if the airline supply pressure falls below 3.8-4.1 bar (55-60 psi).

In either case, the operation of the alarm informs safety rescue personnel to switch over to the reserve air supply, change cylinders or initiate evacuation procedures as appropriate.

Modulair main advantages:
- Robust and reliable, stainless steel construction
- 2 or 4 man operation
- 2 or 4 cylinder capability
- High performance pneumatics

### STEEL CYLINDER - 6.0 litre, 300 bar
- CE specification, painted to BS specification
- Complete with cylinder valve fitted with safety locking handwheel
- 1640 litre free air capacity providing total duration of 41 minutes, duration calculated using an average wearer consumption rate of 40 litres per minute
- Dimensions: 140mm diameter x 610mm long
- Fully Charged Weight: 11.9kg