Self Contained Breathing Apparatus

– Provide in conjunction with refrigerant gas monitoring equipment to meet building codes and standards for machine rooms.
– Comes with a 5-year “bumper to bumper” warranty on TOTAL unit.
– Deluxe SCBA ENCON enclosure is available for applications requiring additional features than the standard case has to offer.
– SCBA kit comes complete with wall hanging enclosure.
– Optional training video details exact operating procedures of equipment.
SCBA Case Options

**Standard Enclosure with SCBA Unit**

The enclosure shown at the left is offered standard with any ProAir unit purchased. The enclosure is orange in color for safety purposes and is made of high density Polyethylene and has molded handles for easy handling and access during emergencies.

Dimensions:
- Length: 28 5/8"
- Width: 19 3/8"
- Dept: 11"

Note: Not Submersible
Not Waterproof

**Deluxe ENCON Enclosure**

The deluxe ENCON enclosure is offered for applications that required added features such as the following:
- Tamper seal security feature (sealed lock)
- Corrosion resistant external components and rubber gaskets for outdoor usage
- Acrylic viewing window for checking fill gauge
- SCBA “put on and walkaway” feature

Dimensions:
- Length: 34 3/4"
- Width: 19 1/4"
- Dept: 11 1/2"

Part # 87-0007

Part # 87-0010
SCBA Technical Specifications

**Pneumatics:**
The ProAir series provides a totally flexible range of breathing apparatus for use across the widest spectrum of applications.

**First Stage Reducer:**
A high performance balanced first stage for 2216 or 4500 psi without adjustment.
- 1000 l/min available flow, nominal
- 1000 l/min available at cylinder pressures as low as 300 psi
- A spare medium pressure connection for accessories, such as airline attachment
- 15-year warranty

**Lung Demand Valve:**
This is no ordinary demand regulator. Unlike most small demand regulators, it’s balanced piston design eliminates medium pressure sensitivity and it has the optimum relationship between size, service and reliability. The regulator is easy to clean and quiet when in use, even with airflows as high as 500 l/min.
- Less than -15 millibars first breath activation pressure
- Bypass
- Maintains positive pressure, even at 150 psi and 300 l/min
- Extremely easy to clean.
- No overhauls specified
- 5-year warranty
- No exhaled air contacts the LDV

**Whistle:**
This whistle, which will sound in excess of 90 dBA, is positioned on the users chest, close to the ear, to avoid confusion as to whose whistle is sounding.

**Pressure Gauge:**
Luminescent markings at 4500, 3000, 2000, and 1000 to 0 psi. A gauge clip streamlines the gauge and whistle assembly to the harness when the gauge is not being read, reducing the likelihood of entanglement when operating in confined spaces.

**Quick Release Coupling:**
Double action quick release coupling prevents accidental disconnection.

**Facepiece:**
- One size fits all
- Extra protection with independent double seal providing 3 sealing rings
- Stainless steel speech diaphragm ensures excellent communication.
- Low exhalation resistance
- Adjustable five-point head strap for rapid donning
- Close fitting oral-nasal facepiece ensures no CO2 build up
- Self demisting visor for clear vision.
- Perspiration drain to avoid skin irritation
- Speech diaphragm guard.

**The Ergonomic Carrying System:**
Whatever your working environment, the ProAir series offers a breathing set which will allow you to approach any situation. The combination of the latest computer technology, high-tech materials and ergonomic design has created a range of carrying systems which are more comfortable to use and offer enhanced stability, increased maneuverability and lower the perceived weight which reduces user strain and fatigue. The result is optimum performance and user efficiency which increases your margin of safety.

**Cylinder Strap:**
The cylinder strap accommodates all types and sizes of cylinders, without modification. Thus infinitely adjustable cam-lock mechanism provides a simple, very secure, quick and fail-safe operation.

**Backplate:**
Throughout the range of the ProAir Series, you will benefit from the latest in materials. The orthopedically designed backplate made from a glass fiber composite for the ProAir, which has an unparalleled strength-to-weight performance, is lightweight and chemical resistant. Carrying handles are provided within the design of the case.

**Air Flow:**
* Balanced reducer with spare medium pressure connection
* Medium pressure - 87 - 130 psi
* Relief valve setting - 160 to 230 psi
* Reducer air flow at 4500 psi cylinder pressure - 1000 l/min
* Reducer air flow at 300 psi cylinder pressure 1000 l/min
* LDV air flow at 300 psi cylinder pressure - in excess of 500 l/min

**Weight:**
Backplate, Panorama Nova Facepiece and demand regulator .............. 8.3 lbs.

Complete and full with 30 min. of air in Aluminum tank ................. 29.6 lbs.
SCBA Generic Specifications

SCBA:
The SCBA should be provided as required by ASHRAE 15-1994. See drawing for quantities.

System Certification:
NIOSH/MSHA Approved

System Weight:
Backplate, Panorama Nova Facepiece and Demand Regulator with aluminum cylinder (full charged) is 29.8 lbs. Unit has 30 minutes of breathable air time (grade D air).

Dimensions:
26.5" x 9.5" x 11.0"

Backplate:
Orthopedically designed of high strength chemical and impact resistant glass fiber composite. Low profile design with bumper pad to protect regulator, tail bone and absorb shock if dropped.

Harness:
Nylon construction and is designed for easy removal.

Facepiece:
EPDM or silicone construction, one size fits all with a double sealing edge. Stainless steel speaking diaphragm and lens retainer. Five point head strap or hair net. Exhalation valve in mask.

First Stage Reducing System:
Back plate mounted first stage reducer, chest mounted 90 dBA warning whistle, shoulder mounted pressure gauge with a flow in the dark needle gauge. Delivers more than 1000 l/min.

Second Stage Regulator:
Automatic positive pressure, mask mounted regulator with purge/bypass in easy reach that provides in excess of 550 l/min.

Enclosure:
Supply an enclosure to store the SCBA and support literature.

Warranty:
5-year “bumper to bumper” warranty on total unit and 15 year warranty on the first stage pressure reducer.

Training:
Training video optional.