

# Self Contained Breathing Apparatus



## DESCRIPTION

Self-contained breathing apparatus (SCBA) contains facemask, flow regulator, reducer, cylinder with compressed air, and back frame with harness.

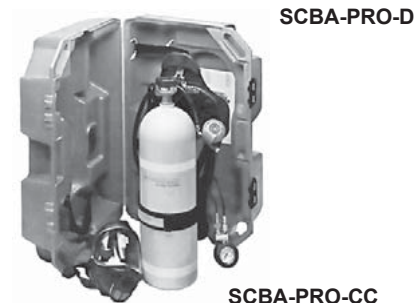
## APPLICATION

To use respiratory protection IDLH (Immediately Dangerous to Life or Health) in industrial and commercial environments, i.e., mining, chemical, pharmaceuticals, petrochemical plants, as well in conjunction with refrigerant gas leak detection in HVAC chiller equipment rooms as required by ASHRAE 15-1994.

## FEATURES

- Three sizes in one panorama facemask maintains over 90% of peripheral vision
- Fail-safe first stage pressure reducer
- Direct cylinder connection to 1st stage reducer, no exposed high pressure hoses
- Aluminum cylinder, 30 minute air supply
- Ergonomic harness and lightweight carbon composite back plate assembly
- Exceeds NIOSH standard
- 5-Year warranty

### ProAir® Evolution SCBA-PRO



## SPECIFICATIONS

### Panorama Facemask

Face size	Three sizes in one, close fit, non CO2 build-up design
Peripheral vision	90%, clear vision, self demisting visor
Protection	Independent double seal with 3 sealing rings and perspiration drain; designed to prevent skin irritation
Material	EPDM
Exhalation	Low resistance
Head strap	Five-point design for rapid donning
Speech diaphragm guard	
- material	Stainless steel
- communication	High performance

### Flow Regulator and Reducer

Lung demand valve	Mask mounted regulator, no contact by exhaled air
2nd stage pressure reducer	
- flow rate	> 550 lpm (145.3 GPM)
- activation	By first breath
- breathing pressure	< 6" WC (15 millibars)
- bypass	Press or turn to lock
- connection	Positive lock plug-in

1st stage pressure reducer  
 - flow rate  
 - medium pressure  
 - connection

Warning whistle  
 - sound level

### Air Cylinder

Filling  
  
 Cylinder material  
 Pressure, full charged  
 Breathable air time

### Back Frame with

#### Harness

Back plate  
 Material  
  
 Harness  
 Cylinder strap

### Environmental

Permissible ambient  
 - working temperature

Fail-safe, balanced  
 > 1,000 lpm (264.2 GPM)  
 90-130 PSI (620-896 kPa)  
 Direct to air cylinder, not exposed to high pressure hoses  
 Non-aspirating, chest mounted  
 > 90 dBA  
 Model # 40 55 399  
 Grade D, compressed, dry air, 20.8 % oxygen, 78.0 % nitrogen, < 0.96 % argon & CO2, zero oil  
 Aluminum  
 2,216 PSI (15,278 kPa)  
 30 minutes  
  
 Orthopedic design  
 Carbon composite, lightweight, chemical resistant  
 Ergonomic arrangement  
 Cam-lock mechanism, adjustable, secure, quick and fail-safe operation

-25°F to 160°F (-32°C to 70°C)

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## SPECIFICATIONS

### Physical

Dimensions (L x W x H)  
 - without air cylinder 24.5 x 12.5 x 6.0 in.  
 (620 x 320 x 158 mm)

Weight 28.8 lbs. (13.1 kg)  
 complete w/ facemask, regulator,  
 reducers, cylinder, harness and  
 back plate

**Approval/Listings** NIOSH / MSHA approved

**Warranty** Lifetime



Cabinet "Deluxe"



Case "Standard"

## OPTIONS

### Enclosures

#### Cabinet "Deluxe"

- w/viewing windows  
 Installation Wall mounted, vertical surface  
 Construction / Material ABS design, UV stabilized,  
 neoprene bulb gasketing  
 Hardware / Hinges Thermoplastic, corrosion and  
 breakage resistant  
 SCBA holding Strap, quick release design  
 Door color Safety yellow  
 Protection Against moisture, dirt, corrosive  
 chemicals, and ultraviolet light  
 Dimensions (L x W x H) 31.50 x 18.00 x 11.25 in.  
 (800 x 457 x 286 mm)  
 Weight 20.0 lbs. (9.1 kg)

#### Case "Standard"

Installation Carry-on or wall mounted  
 Construction / Material High density polyethylene,  
 w/molded handle  
 SCBA holding Strap, easy removal  
 Case color Orange  
 Protection Against moisture and dirt  
 (not waterproof)  
 Dimensions (L x W x H) 28 5/8 x 19 3/8 x 11 in.  
 (727 x 492 x 279 mm)  
 Weight 17.0 lbs. (7.7 kg)

## ORDERING INFORMATION

Self Contained Breathing Apparatus "SCBA"		Part Numbers
"SCBA" includes: - Panorama facemask - Flow regulator and reducer - Air cylinder - Back frame with harness	SCBA w/cabinet "deluxe", viewing windows & wall mount	<b>SCBA-PRO-D</b>
	SCBA w/case "standard" & wall mount kit	<b>SCBA-PRO-CW</b>
	SCBA w/carrying case "standard"	<b>SCBA-PRO-CC</b>
	SCBA without cabinet or case	<b>SCBA-PRO</b>

