



**16 bar**  
operating pressure

**1,5 to 40°C**  
operating temperature range

**quick couplings**  
connections

**120 Nm³/h**  
flow rate

**RAL 1016**  
standard colour

## DESCRIPTION

B-AIR PLUS system is specifically designed for applications where high quality breathing air and monitoring of breathing air supply are needed. B-AIR PLUS is a combination of our B-AIR 0106 breathing air filter set combined with gas concentration analysers, fitted with pressure regulator and quick couplings, all packed in a compact and robust casing.

Gas concentration analysers constantly monitor CO, CO<sub>2</sub> and O<sub>2</sub> concentrations and trigger an alarm if concentrations exceed the EN12021 and BS4275:1997 standard compliant values. In this way B-AIR PLUS can safely provide high quality breathing air for up to 5 people.

Small dimensions and low weight enable the use of B-AIR PLUS in many applications as it can be transported and set up with ease.

## APPLICATIONS

- Breathing air

# B-AIR plus SERIES

## PORTABLE BREATHING AIR FILTRATION SYSTEMS





#### TECHNICAL DATA

|                             |  |
|-----------------------------|--|
| Operating pressure range    | 0 - 16 bar (0 - 232 psi)                             |
| Operating temperature range | 1,5 - 40 °C (35 - 104°F)                             |
| Connection (inlet/outlet)   | INLET (male), OUTLET (female)                        |
| Flow rate (7 bar, 20 °C)    | 120 Nm³/h (71 scfm)                                  |
| Quality class - solids      | ISO 8573-1   |
| Quality class - oils        | ISO 8573-1   |
| Filtration stage S          | solid and liquid particle filtration down to 0,01 µm |
| Filtration stage H²         | CO removal   |
| Filtration stage A²         | oil particle filtration down to 0,1 µm               |

#### GAS ANALYSERS

|                             |   |
|-----------------------------|---|
| Electrical connection       | 230 VAC, 50/60 Hz   |
| Power consumption           | <10 W   |
| CO monitoring               | warning 3 ppm, alarm 5 ppm  |
| CO₂ monitoring              | alarms (increasing intensity) at 500 ppm/1500 ppm   |
| O₂ monitoring               | alarm at O₂ concentration <19,5%  |
| Analyser approval           | EN 50270:1999<br>EN 61000-6-3:2001+A11:2004<br>BS EN 61010-1:2001<br>IEC 61010-1 (2ed)<br>AS 61610.1-2003 (Australia & New Zealand) |
| Protection class of sensors | IP 65   |
| Dimensions                  | 508 x 460 x 160 mm  |
| Weight                      | 12 kg   |

#### ADVANTAGES

- ✓ High quality breathing air for up to 5 people
- ✓ Air quality monitoring (EN 12021, BS 4275:1997)
- ✓ Compact & light weight

