



**16 bar**  
operating pressure

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

**quick couplings**  
connections

**120 Nm<sup>3</sup>/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 Nm <sup>3</sup> /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 H <sup>2</sup>	CO removal
Filtration stage A <sup>2</sup>	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
CO <sub>2</sub> monitoring	Alarms (increasing intensity) at 500 ppm/1500 ppm
O <sub>2</sub> monitoring	Alarm at O <sub>2</sub> concentration <19,5 %
Analyser approval	EN 50270:1999 EN 61000-6-3:2001+A11:2004 BS EN 61010-1:2001 IEC 61010-1 (2ed) 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

