

B-AIR plus SERIES BREATHING AIR FILTRATION SYSTEMS

operating pressure	0 - 16 bar
volume flow rate	120 Nm³/h
connections	quick couplings
operating temp. range	1,5 to 40 °C
standard colour	RAL 1016

APPLICATIONS

- breathing air

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, CO₂ and O₂ 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.





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 ³ /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 ²	CO removal
Filtration stage A ²	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 ₂ monitoring	alarms (increasing intensity) at 500 ppm/1500 ppm
O ₂ monitoring	alarm at O ₂ 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 Zeland)
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

