

Breathing air supply device AIR-BOY

Handy, portable compressed air purifying case. Suitable for two ventilated protective suits at the same time. The compressed air is purified with a high performance filter and an activated carbon filter. Due to the compact and light construction, it is suitable for temporary interventions. The components guarantee a reliable, efficient and durable use. Couplings are mounted acc. to your need.

The integrated 2-stage filter unit removes dirt, oil and water aerosols as well as oil vapors and odors. The processed breathing air complies with ISO 8573-1 respectively ISO 12500-1 /-2 /-3.

- Breathing air supply for two full protective suits (each 750 l / min.)
- with pressure regulator and pressure gauge for outlet pressure
- with condensate collecting tank
- with operating hours counter with LED display:
 flashes green: filter OK
 flashes red: change filter
 batteries: 2 x AAA 1.5 V, lifetime 6 months
- max. operating pressure: 10 bar
- Operating temperatur: + 2° ...+ 50° C
- Input: Internal thread G 3/8"
- Output: 2 x Pedi-Safety coupling type W or
 2 x internal thread G 1/2",
 other connections / couplings on request.



Technical properties:

Max. operational pressure: 10 bar

Quality of the respirable air:

- Class 1 according ISO 8573-1
- Removes particles $\geq 0.01 \mu\text{m}$
- Max. content of oil: 0.003 mg/m^3

Operational temperature: +2° ...+50° C

For temperatures below +2° C, please consider the air condition.

These filters do not remove CO, CO₂ or other toxic gases and do not change the content of oxygen of the feeded air.

Breathing air standard DIN EN 12021:2014

Limits: (at 1013 mbar / 20° C)

Oxygen (O ₂):	21% ± 1%
Carbonmonoxide (CO):	≤ 5 ppm
Carbon dioxide (CO ₂):	≤ 500 ppm
Oil content:	≤ 0.5 mg/m ³
Humidity:	≤ 25 mg/m ³

Available designs / spare parts:

Item no	Description	Input	Output
116300	Breathing air purification AIR-BOY 2022	Internal thread G 3/8"	2 x Pedi-Safety coupling type W
116301	Breathing air purification AIR-BOY 2022	Internal thread G 3/8"	2 x external thread G 1/2"
Auxiliary:			
116243	SAFEGUARD Breathing Air Monitoring device	Monitoring and recording of breathing air quality for respirators according to DIN EN 12021:2014	
Spare parts:			
116302	High performance coalescence filter, type S	for AIR-BOY 2022	
116303	Activated carbon filter, type A	for AIR-BOY 2022	
114757	High performance coalescence filter, Grade AA	for AIR-BOY 2013	
114758	Activated carbon filter, Grade ACS	for AIR-BOY 2013	
110994	High performance coalescence filter, Grade AA	for AIR-BOY 2000	
110995	Activated carbon filter, Grade ACS	for AIR-BOY 2000	
115652	Collecting tank for condensate, complete	for AIR-BOY 2013	
116305	Collecting tank for condensate, complete	for AIR-BOY 2022	

Breathing Air Monitoring device SAFEGUARD

The high-quality breathing air monitoring device SAFEGUARD is used for sporadic or permanent monitoring and recording of breathing air quality according to DIN EN 12021:2014.

- simultaneous monitoring of oxygen O2 / carbon monoxide CO / carbon dioxide CO2 / oil content / dew point
- limit values for each sensor individually adjustable
- Recording of measured values in adjustable intervals
- Display of current sensor readings (red/green)
- 360° edge lighting (red/green)
- with potential-free contact for triggering of an external alarm
- Operation via rechargeable battery (runtime 8 h), 12/24 VDC or 230 VAC
- operation / query also possible via WiFi possible
- magnetic attachment to AIR-BOY
- compressed air range from 2 to 10 bar
- dimensions: LxWxH = 160x100x90 mm
- weight: 0.6 kg

