

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 flow rate at 7 bar: maximum 1'500 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: female thread G 3/8"
- Output: 2 x Pedi-Safety coupling type W,
 2 x male thread G 1/2" or
 4 x coupling CEJN series 342
 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 fed 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
Dew point temp.:	min. 5°C below T _{min} .

Available designs / spare parts:

Item no	Description	Input	Output
116300	Breathing air purification AIR-BOY 2022	female thread G 3/8"	2 x Pedi-Safety coupling type W
116301	Breathing air purification AIR-BOY 2022	female thread G 3/8"	2 x male thread G 1/2"
116404	Breathing air purification AIR-BOY 2022	female thread G 3/8"	4 x coupling CEJN series 342
Auxiliary:			
116243	Breathing air monitoring device SAFEGUARD-C for recording the breathing air quality as well as for alarming in case of exceeding or falling below the set limit values		
116451	Hose set For connecting SAFEGUARD-C to breathing air supply hose length 2 m, equipped with Rectus 20KA nipple		
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-C

The high-quality breathing air monitoring device SAFEGUARD-C is used for recording of breathing air quality according to DIN EN 12021:2014 as well as for alarming in case of exceeding or falling the set limit values.

- simultaneous monitoring of temperature / pressure / dew point / oxygen O₂ / carbon monoxide CO / carbon dioxide CO₂ / volatile organic compounds
- with potential-free contact for triggering of an external alarm
- recording of measured values in adjustable intervals
- limit values for each sensor individually adjustable
- display of current sensor readings (red/green)
- 360° edge lighting (red/green)
- operation / query also possible via WiFi
- magnetic attachment possible
- compressed air range from 2 to 10 bar
- operation via rechargeable battery (runtime 8 h), 12/24 VDC or 230 VAC
- dimensions: L x W x H = 160 x 100 x 90 mm
- weight: 0.6 kg

see product info 04321 (search term on website)

