

Breathing air supply device AIR-JET

The robust and powerful AIR-JET devices are used for mobile treatment of compressed air into breathing air according to ISO 8573-1. The used components reliably supply protective suits and ventilated hoods with breathing air and guarantee efficient and long-lasting use. The devices are turnkey and ready for use.

- Simultaneous and independent ventilation of up to three full protective suits (1500 l/min at 6 bar).
- Inlet connection: female thread G $\frac{3}{4}$ ".
- With shut-off valve, inlet gauge and audible warning.
- 3-stage filter unit, output 1500 l/min at 6 bar., with filter status display
- 3 separate outlets, each with
 - 1 pressure regulator (each outlet individually adjustable)
 - 1 outlet pressure gauge
 - 1 optical flow indicator
 - 1 Pedi safety coupling W (other products on request).
- With automatic condensate drain and collecting container.
- Replacement of the filter elements is possible during operation.
- Housing: steel cabinet, with lockable door, splash-proof (IP66)
 - painting blue, movable and lockable, also suitable for wall mounting
 - smooth surface for easy cleaning.
- Dimensions: L x W x H = 645 x 360 x 830 mm, weight: about 25 kg.
- Incl. protective cover.



Technical properties:

Max. operational pressure: 10 bar

Quality of the respirable air:

- Class 1.7.1 according ISO 8573-1
- Removes particles down to 0.01 μ m
- Max. content of oil: 0.003 mg/m³

Operational temperature: -20...+65°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%
Carbomonoxide (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}

Item no.:		
112087	AIR-JET breathing air supply device	Outlet: 3 x Pedi safety coupling W
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	
116453	Retrofit set for retrofitting breathing air preparation unit AIR-JET with connection for SAFEGUARD-C, equipped with Rectus 20KA coupling	
116142	Flow rate measuring device with display of the volume flow equipped with Pedi safety couplings see product info 04203 (search term on website)	
Spare parts:		
103309	Pre-filter complete	
111592	Revision set for pre-filter	
111593	Pre-filter element (5 my) (Replacement when filter display changes to red color)	
111594	Main filter complete	
111595	Revision set for main filter	
111596	Main filter element (0.01 my) (Replacement when filter display changes to red color)	

103424	Charcoal filter complete	
111597	Revision set for charcoal filter	
111598	Charcoal filter element (Replacement once a year, even when not in use)	
100539	Pressure regulator complete	
112355	Revision set for pressure regulator	
	Other spare parts on request.	

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)

