

Breathing air supply from bottles

Breathing air supply from bottles, suitable both as a stand-alone air supply from breathing air pressure cylinders and for emergency supply in case of failure of the compressed air network.

The breathing air supply from bottles serves on the one hand to supply ventilated protective suits with breathing air. In the event of a failure of an existing compressed air network, it can also serve as an emergency supply for a limited time. In this case, the switchover to cylinder operation is automatic.







The central part of the breathing air supply from bottles is the pressure control station. It reduces the pressure of the compressed air cylinders, which can also be provided as a complete cylinder bundle, from up to 300 bar to 0 ... 16 bar. For monitoring and signaling of upstream and downstream pressure, the pressure control station has contact pressure gauges whose switching point can be selected individually.

The quality of the cylinder compressed air must correspond to that of breathing air, see the DIN EN 12021 standard.

- Also available as explosion-proof version

Available designs:

Item no.	Design	
116368	Breathing air supply from bottles - for the ventilation of protective suits or masks - for connecting a breathing air cylinder or a cylinder bundle - High pressure hose, bottle connection G 5/8", length 3 m - Valve combination - Pressure regulator with 2 contact manometers - ball valve lockable - mounted on stainless steel bracket	
116369	Breathing air supply from bottles - as item no. 116368 - for connection of two breathing air cylinders or two cylinder bundles - with additional valve combination (enables the cylinder change without interruption of the breathing air supply)	
116370	Emergency breathing air supply from bottles - as item no. 116368 - additionally with check valve	
116371	Emergency breathing air supply from bottles - as item no. 116368 - for connection of two breathing air cylinders or two cylinder bundles - with additional valve combination (enables the cylinder change without interruption of the breathing air supply) - additionally with check valve	


Other versions on request.

Options:

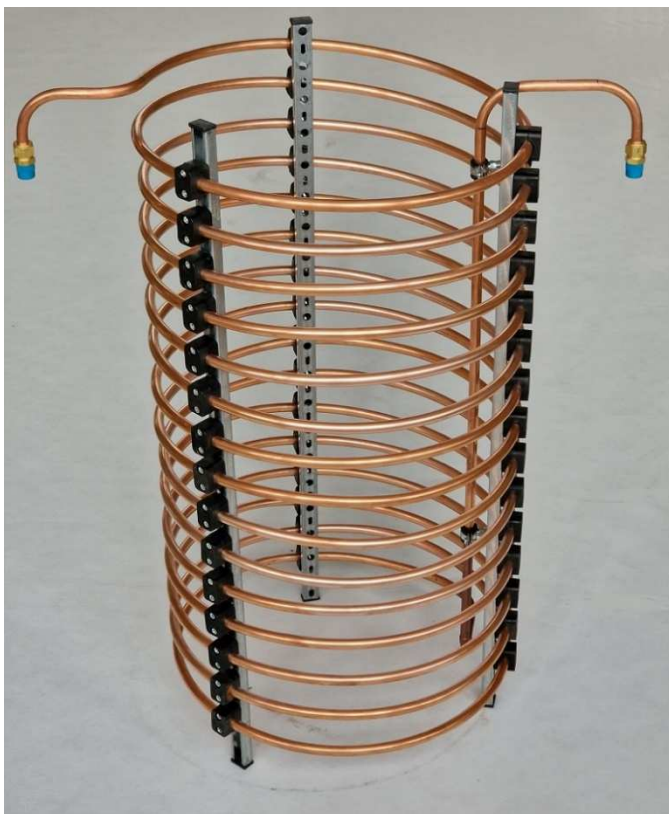
Item no.	Design
	Expansion station conversion kit, suitable for Ex Zone 2 T3 ATEX with Ex-safe contact pressure gauges and control unit

Other versions on request.

Accessories:

Item no.	Design	
116367	Heat exchanger Heat exchanger to equalize the temperature of the breathing air helical coil made of copper pipe diameter approx. 500 mm, height approx. 900 mm suitable for placing in a 200l standard barrel connections external thread G 1/2"	
	High pressure connection hose between cylinder bundle and pressure control panel Cylinder connection G 5/8" Length 6 m	
	High pressure connection hose between cylinder bundle and pressure control panel Cylinder connection G 5/8" Length 10 m	

Other Accessories on request.



Mobile breathing air supply from bottles

The mobile breathing air supply allows the temporary ventilation of one or two protective suits. With two full bottles of breathing air (50 l / 300 bar, standard version), two full protective suits are ventilated for up to 45 minutes resp. 1 suit is ventilated for up to 90 minutes. The bottles can be replaced individually and during operation.

The supply unit requires no additional electrical energy and is suitable for temporary use in rooms where no compressed air network is available. The connection to the protective suits is made by means of breathing air hoses or hose reels with a hose length of up to 50 m.

Optimized for cleaning, maintenance and dismantling works.

- caddy with antistatic wheels
- bottle lifting device for easy bottle change during operation
- with all-metal hose and safety rope made of stainless steel
- with high rated pressure regulator 300/15 bar
- with separated air flow meter for each air exit
- tubing made of stainless steel
- acoustic alerting system (if air pressure is less than 55 bar)
- connection: Male thread G ½" (2x)
- ready for use (without bottles)



Specification of the breathing air bottles:

- 50 l / 300 bar
- with pressure valve 300 bar and female thread G 5/8"

Chariot empty:

