

B-SAFE 100

Setting new standards of safety for filling

- › **Up to 10 cylinders simultaneously***
- › **Up to 410 bar operating pressure**
- › EXPLOSION-PROOF FILLING CHAMBER
- › EASY OPERATION
- › COMPACT DESIGN

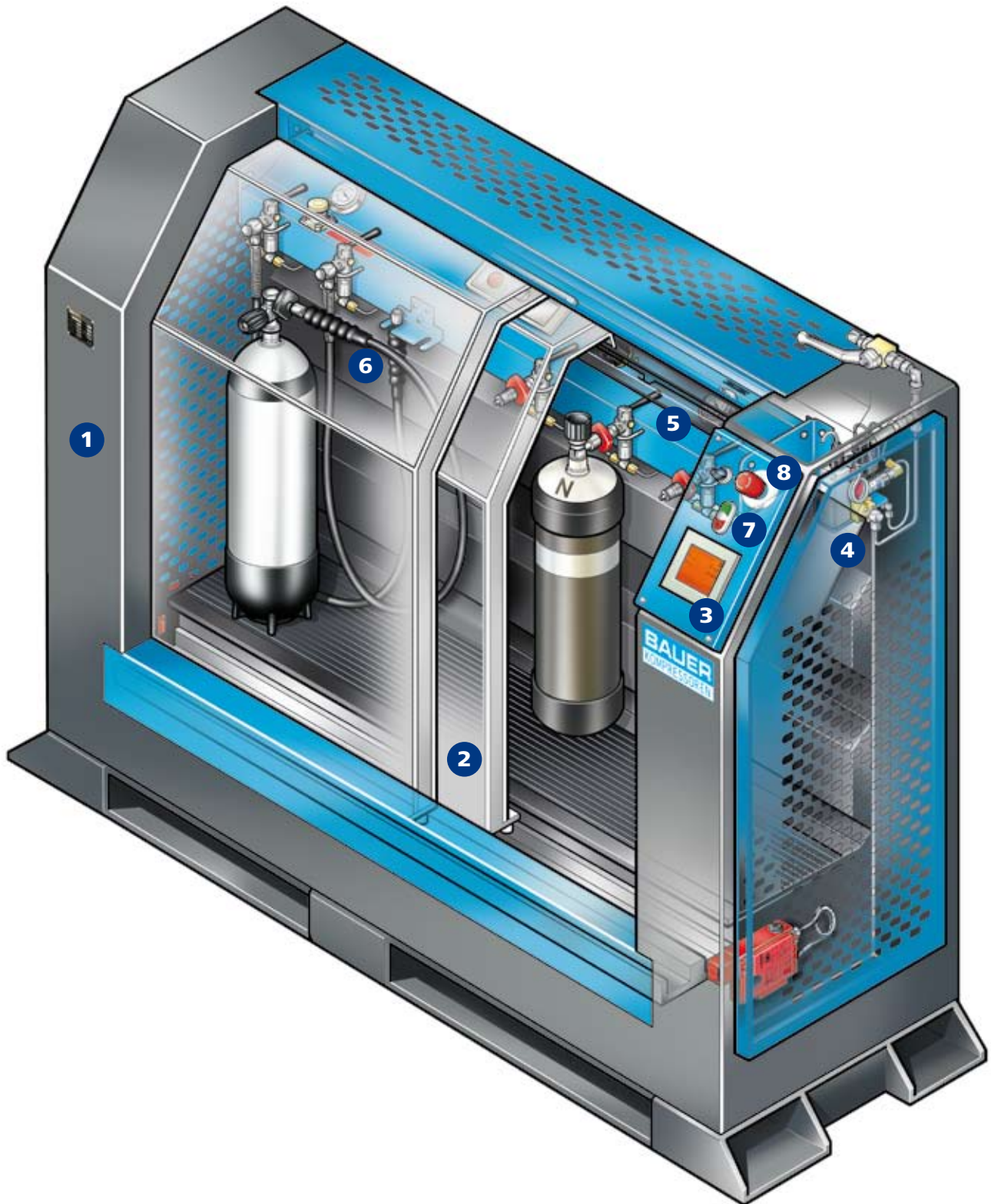


During filling of pressure cylinders, B-SAFE 100 guarantees uncompromised safety for persons and compressor room.

As a result of filling accidents arising from exploding cylinders, explosion protection is already standard or is prescribed in many countries. B-SAFE 100 replaces very expensive safety measures for filling rooms and provides for a maximum of legal security for the operator.

*depending on cylinder size and connection type





1 SAFETY CHAMBER

2 SAFETY DOORS

3 FILLING CONTROL

4 PROPORTIONAL VALVE

5 FILLING PANEL

6 HOSES

7 ON-OFF SWITCH

8 EMERGENCY SWITCH

Filling safety made to measure

1 SAFETY CHAMBER

- › Safe protection against exploding cylinders or severed filling hose connections due to extremely robust safety chamber made of steel.
- › Transportable for mobile use, even for use in vehicles.
- › Controlled air release to the housing side in the event of an exploding cylinder for the protection of the operating personnel.
- › Easy loading, even in cramped confines, thanks to transport openings for pallet trucks on all sides of the housing.

2 SAFETY DOORS

- › Automatic locking of the explosion-proof doors during the filling process for preventing operating errors.
- › Easy opening for rapid cylinder connection.

3 FILLING CONTROL

- › Easy to operate navigation and entry of all parameters into the control menu via easy to read touch screen.
- › Permanent information for the operator via the display about all important parameters during the entire filling process.



4 PROPORTIONAL VALVE*

- › Adjustable average filling rates between 20 and 50 bar/min for safe filling, in particular for composite cylinders.
- › Time-consuming topping up of pressure cylinders is made unnecessary as a result of the defined filling process.

* Optional

5 FILLING DEVICES

- › Filling optionally via the integrated filling panel or hoses.
- › Existing filling panels from BAUER at the operating company can be integrated (see list of recommendations).
- › Filling of up to 10 pressure cylinders at the same time is possible¹⁾.
- › Filling panels are mounted at an ergonomic height.
- › Complete automatic pressure release follows the completion of the filling process²⁾.

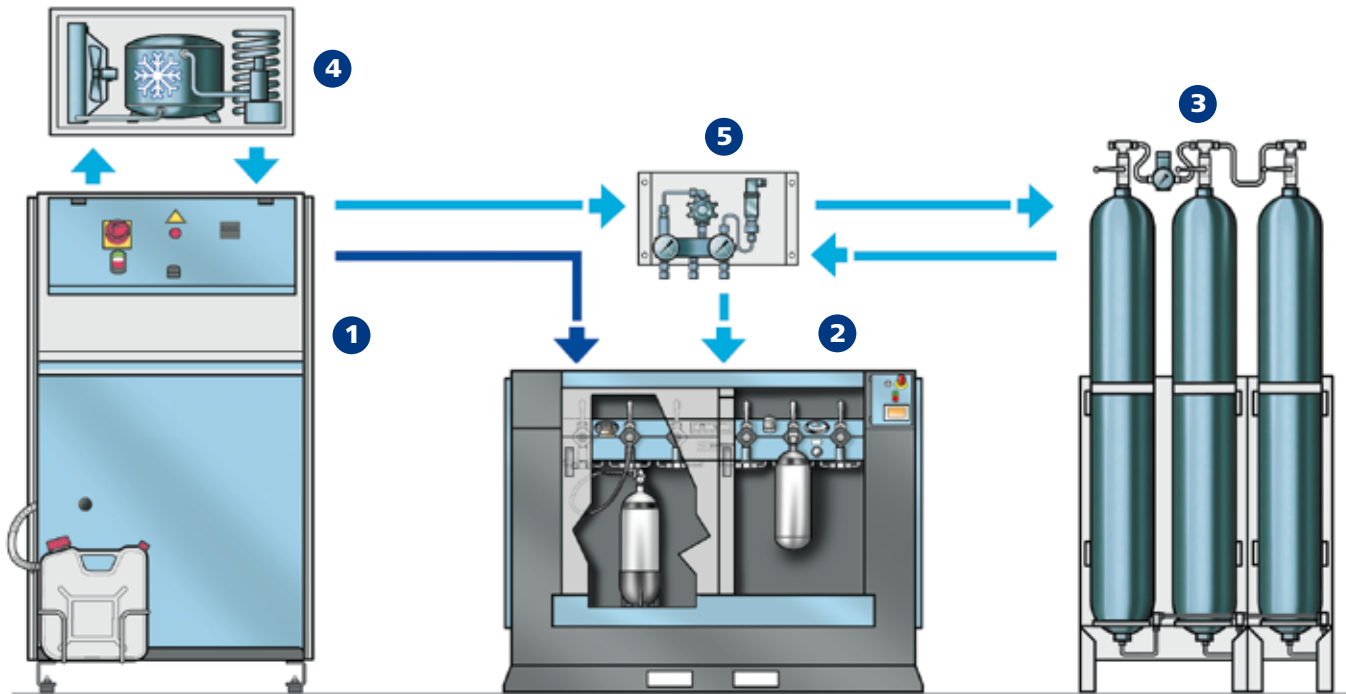
Filling configuration	Proportional valve ⁵⁾	Solenoid valve	Proportional valve ⁵⁾ + solenoid air release valve	Solenoid valve + solenoid air release valve	Fixing for pressure cylinder (optional)
Filling panel 200 bar direct filling connections	●	●			
Filling panel 300 bar direct filling connections	●	●			
Filling panel 200/300 bar direct filling connections	●	●			
Flexible hoses 200 bar incl. automatic pressure release valve			● ⁴⁾	●	●
Flexible hoses 300 bar incl. automatic pressure release valve			● ⁴⁾	●	●
Flexible hoses 200/300 bar incl. automatic pressure release valve			● ³⁾	● ³⁾	●

1) When using hose connections (cylinders: max. width ø 18 cm / max. height 60 cm) 2) via hose connection

3) Only for 2 pressure ranges: 1 system pressure regulator + 1 safety valve 300bar + 1 pressure sensor + 1 pressure gauge

4) Incl. additional safety valve 5) only possible with storage bank

Features and options at a glance



- 1** High pressure compressor with connection for external filling panel(s) and storage bank(s).
- 2** B-SAFE 100 safety fill ramp, with flexible hose connections or integrated filling panel on choice. Available as 200 bar or 300 bar version or with pressure reducer 200 + 300 bar on choice.
- 3** Storage bank(s) for large air reserve.
- 4** AIR-KOOL refrigeration dryer for increased filter cartridge life time.
- 5** Automatic selector unit for quick automatic filling from an intermediate buffer.

Technical data

Medium: breathing air
Max. operating pressure: 410 bar
Intake pressure (up to 2): 225/330 bar
Adjustable filling rate:* 20 - 50 bar/min

* Only with proportional valve

Number of fill posts : max. 10
Ambient temperature: +5 - +45° C
Dimensions (L x W x H): 175 cm x 60 cm x 135 cm
Dimensions safety chamber: 130 cm x 40 cm x 70 cm
Weight: approx. 350 kg

BAUER KOMPRESSOREN GmbH
 P.O. Box 710260 | 81452 München
 Phone +49(0)89/78049-0
 Fax +49(0)89/78049-167
info@bauer-kompressoren.de
www.bauer-kompressoren.de



DIN EN ISO 9001

B-SAFE-E
 09.08 PR 0167
 Subject to technical modifications