

Paintball Filling System

Models:

B-MASTER MINI | B-MASTER MIDI | B-MASTER MAXI



- For filling standard pressure cylinders for paintballing
- Pressure cylinder sizes: 0.8 l; 1.1 l; 1.5 l; 1.9 l
- Filling pressures: 200 bar / 300 bar

The B-Master Filling Panel is used for filling compressed air cartridges in PN200 or PN300 bar high-pressure ranges and is primarily designed for paintball markers.

The B-Master Filling Panel is mounted externally. Filling lines must be installed between the compressor and filling panel. A T-piece can be used to distribute pressure to further panels (e.g. for multiple simultaneous filling operations at equal pressure).

MODEL TYPES:

	Number of filling valves / filling hoses	Pressure ranges	Safety valve	Pressure reducer
MINI Filling Panel	1	1	Optional	-
MIDI Filling Panel	2	1	Optional	-
MAXI Filling Panel ¹	1	2	•	•

¹ Suitable for direct connection of the filling panel to a storage tank under max. 420 bar storage pressure

The MAXI Filling Panel can be combined with further filling panels to set up a filling line with alternative filling pressures (e.g. additional MIDI Filling Panels at pressures of 300 and 200 bar).

- The filling pressure in the pressure cylinder is displayed on a manometer in bar/psi.

The B-Master Maxi is fitted with a safety valve as standard (optional in other models) - no need for a 200 or 300 bar pressure limiter. The safety valve is factory-set.

The high-power stainless-steel filling valve is designed for a lifespan of several hundred thousand filling cycles. The filling hose is automatically vented after release of the operating lever, with a silencer to minimise venting noise. The filling coupler fits all standard paintball nipples and has a check valve which prevents hose whip if the filling valve is opened when a marker is not connected.

TECHNICAL SPECIFICATIONS

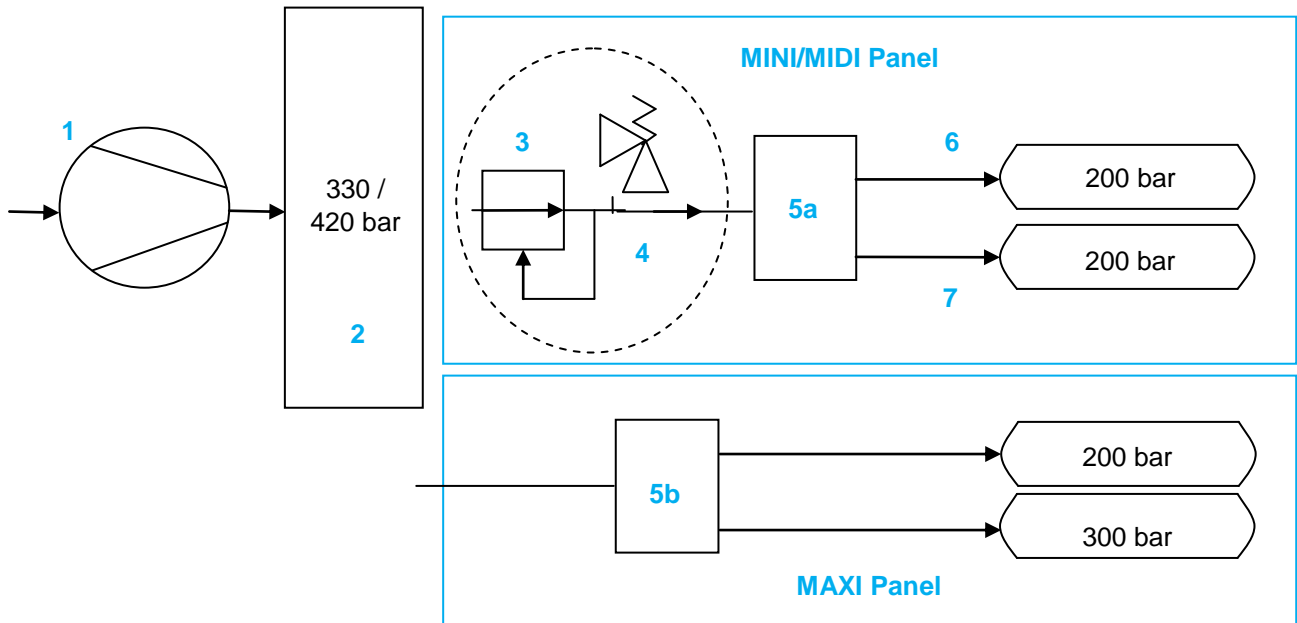
	Inlet pressure		Outlet pressure	
	bar	psig	bar	psig
MINI Filling Panel	200/300	3,000/4,500	200/300	3,000/4,500
MIDI Filling Panel	200/300	3,000/4,500	200/300	3,000/4,500
MAXI Filling Panel ¹	Max. 420	Max. 6,200	200/300	3,000/4,500

- Manometer display range 0 to 400 bar
- Screw thread (inlet and outlet) 8S M16x1.5 (external diameter)

SCOPE OF DELIVERY:

- Filling panel for tabletop operation with enclosed plastic housing
- Four holes on base for permanent mounting
- Direct valve operation
- Automatic venting
- Adjustable venting level
- Maximum and minimum vent levels can be set
- Stainless-steel valves with service life of several hundred thousand filling cycles
- Pressure input on rear of panel
- Can be connected to multiple filling panels by a T-piece for pressure distribution
- Filling hose connection on rear of device

INSTALLATION DIAGRAM – STANDARD MODEL:



- 1 BAUER Compressor with standard scope of delivery
- 2 Storage unit with BAUER standard features
- 3 Pressure reduction from storage pressure to filling pressure (e.g. from 420 bar storage pressure to 300 bar filling pressure)
- 4 Filling pressure safety valve (300 bar in the above example)
- 5 B-MASTER Filling Panel
 - a. MINI or MIDI Panel
 - b. MAXI Panel (incl. pressure reducer, safety valve)
- 6 Pressure cylinder
- 7 Second filling connection on MIDI Filling Panel

Relevant EC Directives (where applicable)

- › EC Machinery Directive (2006/42/EC)
- › EC Pressure Equipment Directive (97/23/EC)
- › EC Low Voltage Directive 2006/95/EC
- › EC Electromagnetic Compatibility (EMC) 2004/108/EC

Applied national standards and technical specifications, in particular

- › Betriebssicherheitsverordnung (German Industrial Safety Regulation) of 27 September 2002
- › AD 2000
- › Technische Regeln Druckgase (TRG; **Technical Regulations for Compressed Gases**): TRG 400, 401, 402 (w/o permanent premises) and TRG 790
- › Unfallverhütungsvorschrift (BGR; German Accident Prevention Regulations) BGR 500
- › All BAUER filter housings are designed, manufactured and tested in line with Accident Prevention Regulations and regulations under AD-2000 provisions and DGRL97/23EG.

Documentation: 1x operating manual and parts list with exploded view drawing on DVD

Design: In line with the state of the art according to DIN, VDE, TÜV and Accident Prevention regulations

Testing: In line with Bauer Standard as per DIN EN 10204 - 3.1B

Otherwise the **General Terms and Conditions of BAUER KOMPRESSOREN (AGB)** in the version valid at the time of contract conclusion apply. These Terms & Conditions can be viewed and downloaded at the website www.bauer-kompressoren.com, or sent by BAUER on request.

All information is given without assumption of liability and subject to technical changes.