



World leaders in diving equipment technology

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HEAD OFFICE
Enterprise Drive
Westhill
Aberdeen
AB32 6TQ
T: +44 (0)1224 740145
F: +44 (0)1224 740172

GLOBAL LOCATIONS
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Bauer Mini-Verticus III Compressor

The new Mini-Verticus III: A newly designed field-proven system concept that sets standards in technology and ergonomics. The ideal partner for diving centers and diving shops, who expect reliable and long-life use coupled with low operating expenses. Rapid spare parts supply and service guarantee a successful diving season - worldwide. The P41 purification system provides breathing air quality acc. to DIN EN 12021.

The Bauer Mini-Verticus III consists of:

- Fanwheel
- Compressor Block
- P41-Filter System
- Condensate Collecting Tank
- Super Silent Housing

Cool Head

Trouble-free continuous running even in the most difficult climatic conditions thanks to its optimum cooling system.

- The cooling air is conducted through the housing to achieve effective heat elimination.
- Fanwheel with optimized blade geometry generates more pressure for improved cooling power.
- Oil cooling in the final compression stage for minimal wear and tear and for a longer life.

Strong Heart

Highest economic efficiency due to the gearing of the compressor blocks which is made for extreme working stress and continuous running.

- Long-life, robust industrial roller bearings with minimum friction.
- Hardened cylinders with special honing technique for minimal oil consumption and wear.

- Robust low pressure oil pump with oil filter for longer life and oil change intervals.
- New powerful intake filter for greater delivery capacity and silent operation.
- Interstage and afterstage coolers made of stainless steel against corrosion.
- Virtually wear and tear-free high-tech polymer piston rings in the last stage.

Lots of Staying Power

P41-Filter system with extended filter life offers increased economical advantages.

- Superior Bauer filter technology provides ultrapure breathing air conforming to DIN EN 12021.
- The SECURUS filter monitoring system (optional) continually checks the humidity in the air and automatically switches off when the filter is saturated - now integrated in the operating panel, making it even easier to control!

Obliging

Thanks to compact dimensions, ergonomic design and a maintenance-friendly system.

- Condensate reservoir integrated in the front of the housing for fast disposal and easy control.
- Free access to compressor block, air filter and oil inlet connection simplify maintenance work.

Quiet

Thanks to its efficiently insulated "silent housing", it operates at 68 dB(A)*.

- *+/- 2 dB(A), at the distance of 1m / 3'
- Highly absorbent special insulation materials.
- Housing designed to optimize sound reduction.

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P61 Filter System	optional with higher capacity for longer filter life
Charge Connection	for external filling panel and storage bank
External Filling Panel	for high charge capacity requirement
Storage Battery	for a large volume of spare air
Air-kool	refrigeration dryer for increased life span of the purification cartridge
Securus	filter monitoring guarantees ultra-pure air conforming to DIN EN 12021

Bauer Mini-Verticus III

Max. 330 bar¹⁾

Model	MV 100-4-3	MV 120-4-3	MV 120-5,5-3
Bar	225	225	225
FAD l/min ²⁾	150	200	250
RPM Min-1	1340	1270	1470
Filling Rate Min ³⁾	1,3	1,0	0,8
Drive kW	4,0	4,0	5,5
Drive HP	5,5	5,5	8,0
Filter System P-range	P41	P41	P41
Dimensions (L x W x H)	102 x 74 x 130	102 x 74 x 130	102 x 74 x 130
Weight net (app. kg)	225	225	260
Noise at 1m/3' dB (A)	68	68	68
Order Code	BAMV150E01	BAMV200E01	BAMV250E01

1 Available with switch over device 330 / 225 bar or 225 bar / 330 bar alternatively

2 Cylinder filling from 0 to 200 bar

3 Filling rate for 1 l cylinder capacity from 0 to 200 bar

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