

## MINI - VERTICUS III

The supersilent complete station

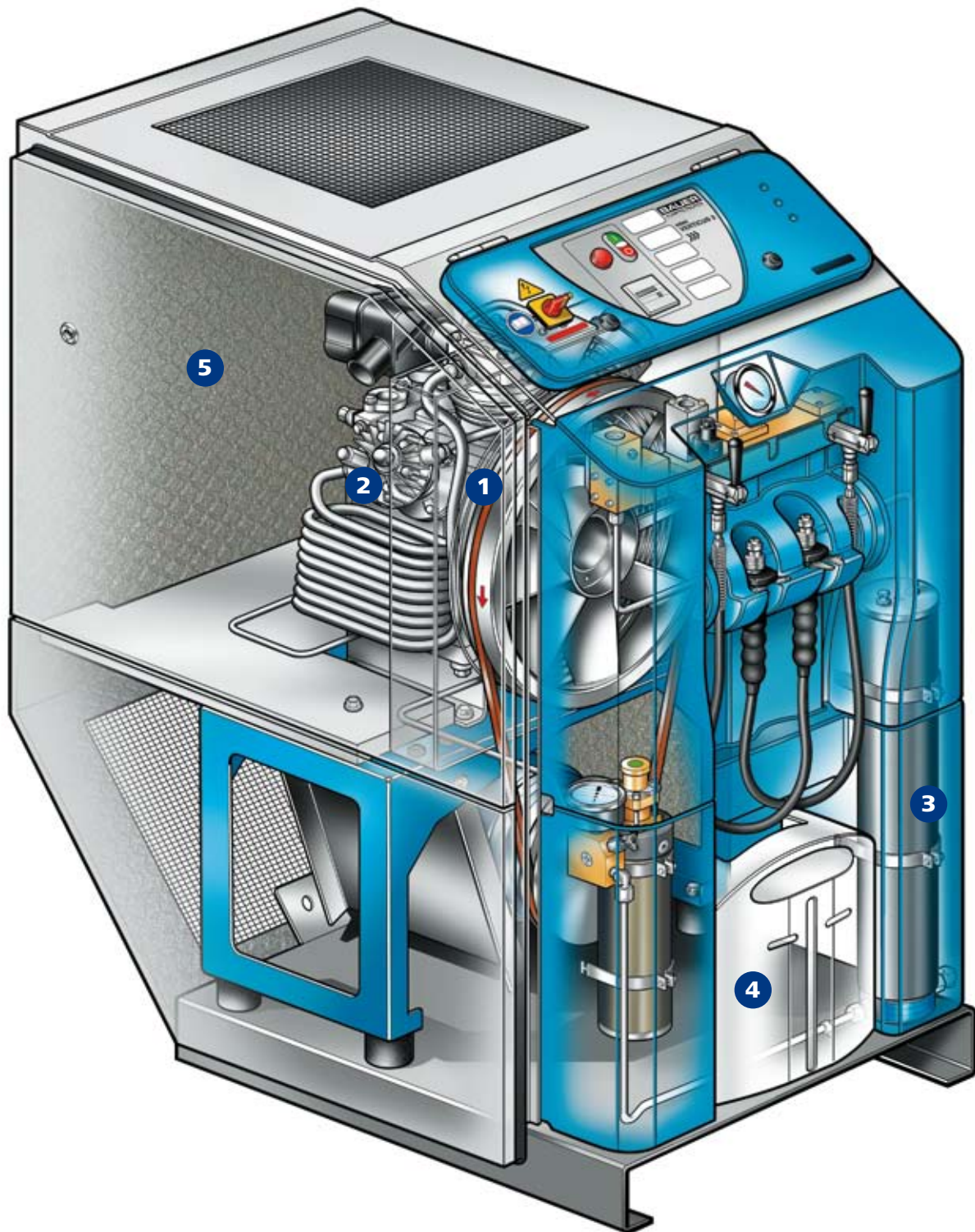
- › 150 – 250 l/min
- › 225 / 330 bar

- › SILENT HOUSING
- › COMPACT AND POWERFUL



**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 patented P41<sup>®</sup> purification system guarantees purest breathing air quality acc. to DIN EN 12021.



**1** FANWHEEL

**2** COMPRESSOR BLOCK

**3** P41-FILTER SYSTEM

**4** CONDENSATE COLLECTING TANK

**5** SUPER SILENT HOUSING

## CONVINCING SCOPE OF SUPPLY

### 1 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.

### 2 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.



*SECURUS - perfectly integrated design*

### 3 LOTS OF STAYING POWER

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

- › Superior BAUER filter technology guarantees ultrapure breathing air conforming to DIN EN 12021.
- › The patented 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!



*P41 filter system, cartridge change in a minute*

### 4 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.

### 5 QUIET

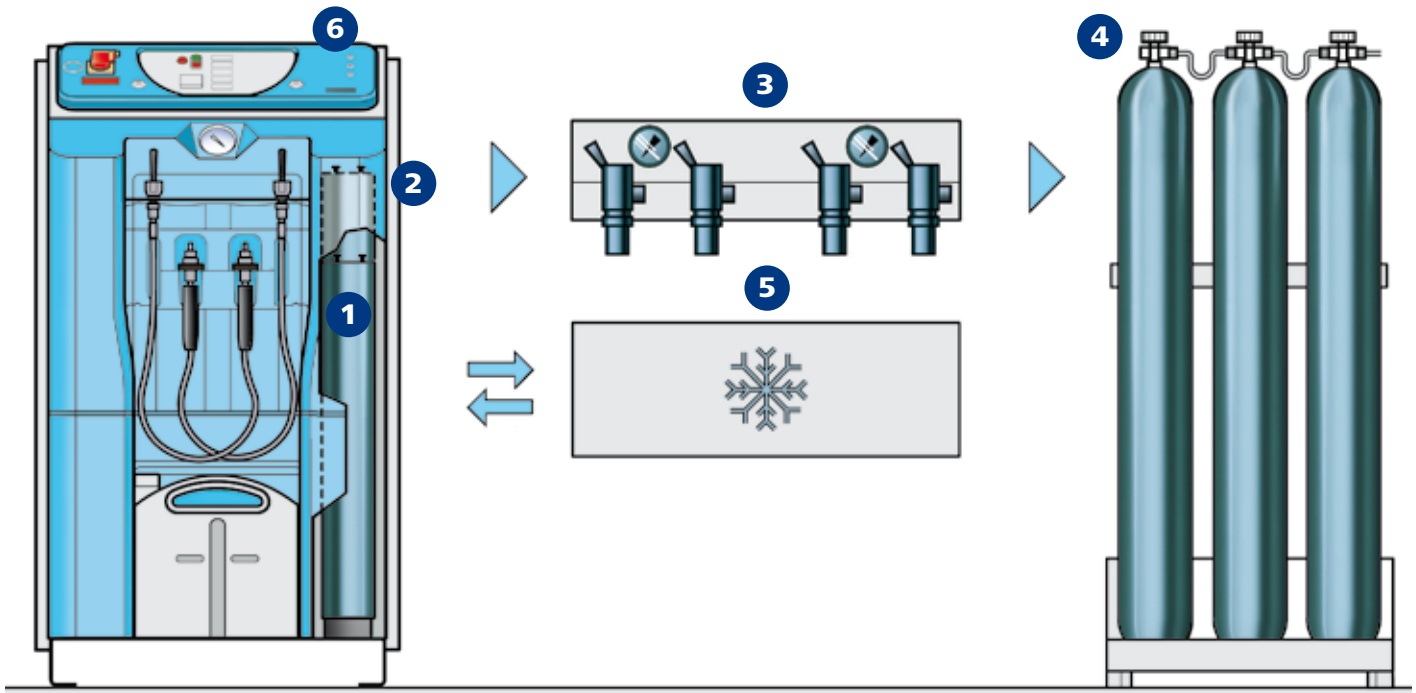
Thanks to its efficiently insulated „silent housing“, it operates at 68 dB(A)\*.

\*+/- 2 dB(A), at the distance of 1m / 3'

- › Highly absorbent special insulation materials.
- › Housing designed to optimize sound reduction.



## THE SYSTEM



- 1 P61 FILTER SYSTEM** optional with of higher capacity for longer filter life
- 2 CHARGE CONNECTION** for external filling panel and storage bank
- 3 EXTERNAL FILLING PANEL** for high charge capacity requirement
- 4 STORAGE BATTERY** for a large volume of spare air
- 5 AIR-KOOL** refrigeration dryer for increased life span of the purification cartridge
- 6 SECURUS** filter monitoring guarantees ultra-pure air conforming to DIN EN 12021

## TECHNICAL DATA

Model	FAD	RPM	Filling rate	Drive		Filter system	Dimensions (app. cm)			Weight net (app. kg)	Noise at 1m/3'
				kW	HP		L	W	H		
<b>max. 330 bar<sup>1)</sup></b>	<b>l/min<sup>2)</sup></b>	<b>min<sup>-1</sup></b>	<b>min<sup>3)</sup></b>			<b>P-range</b>					
MV 100-4-3	150	1340	1,3	4,0	5,5	P41	102	74	130	255	68
MV 120-4-3	200	1270	1,0	4,0	5,5	P41	102	74	130	255	68
MV 120-5,5-3	250	1470	0,8	5,5	8,0	P41	102	74	130	260	68

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

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DIN EN ISO 9001

**MV III-E**  
 8.08 PR 0097  
 Subject to technical modifications