

THE NEW VE- / VSE RANGE

Pure Power, best price

- › **320 - 680 l/min**
- › **225 / 330 / 420 bar**

- › FULFILLS THE REQUIREMENT FOR LARGE QUANTITIES OF BREATHING AIR
- › OPEN OR SUPER SILENT
- › EASY OPERATION
- › BREATHING AIR ACC. TO DIN EN 12021



Our new POSEIDON EDITION stands for an excellent ratio of price to capacity at very high quality. This product range has been developed for uncomplicated operation combining proven core components from BAUER with a simple, but robust chassis.

The VE-/VSE range excels through its excellent throughput rates of up to 680 l/min. The effective sound dampening of the VSE range allows its use in noise-sensitive environments.



The convincing features

AUTOMATIC OPERATION

Highest operational safety is achieved by equipping the plants of the VE-/VSE range with a robust and easy-to-use control in combination with an automatic condensate drain.

- › An automatic start-up/stop device controls the independent switching-on /-off of the compressor.
- › For maximum convenience, condensate from all interstage separators and the final separator is automatically removed by the automatic condensate drain during operation as well as during switching on and off the plant.
- › An indicator lamp signals low oil pressure and warns immediately should the compressor block rotate in the wrong direction.
- › Elapsed time meter for reading off the pending maintenance and service intervals.

ROBUST COMPRESSOR BLOCK

Maximum efficiency due to heavy duty compressor blocks meant for continuous operation.

- › Low thermal load on the 4-and 5-stage compressors guarantees maximum life time of the unit, even under the harshest ambient conditions.
- › Tempered cylinders with special plateau honing as well as wear & tear-free high-tech polymer piston rings in the final stage minimize oil consumption and wear off.
- › Robust low pressure oil pump with oil filter for extended life time and oil change intervals.
- › Indestructible industrial roller bearings suited for continuous operation during 30,000 operating hours and more.
- › Corrosion resistant intermediate and final coolers made of stainless steel.

NOISE REDUCTION (optional)

For use in particularly noise-sensitive environments (VERTICUS range).

- › Super silent operation with less than 70 dB(A)* due to high absorbent special insulation materials in and efficient noise reducing construction of the "super silent" cabinet.

* (+/- 2 dB(A), measured at the distance of 1 meter)



PE VE 500 in open unit construction



4-stage high pressure compressor block K150



Noise reducing construction with high absorbent insulation



P-Filter system with SECURUS filter monitoring

PURE BREATHING AIR THROUGH THE BAUER P-SYSTEM)

For a reliable supply with breathing air, with higher purity than required by the strict breathing air standards DIN EN 12021.

- › Our original cartridges safely remove humidity and pollutants from the compressed air.
- › The filter housings made of special alloys are designed for pressures up to 500 bar and for thousands of load cycles. Fastidious all-embracing production monitoring from the raw material up to the finished vessel guarantee highest safety.

SECURUS PROVIDES SAFETY (OPTIONAL)

The patented filter monitoring system continuously controls the saturation of the filter cartridge.

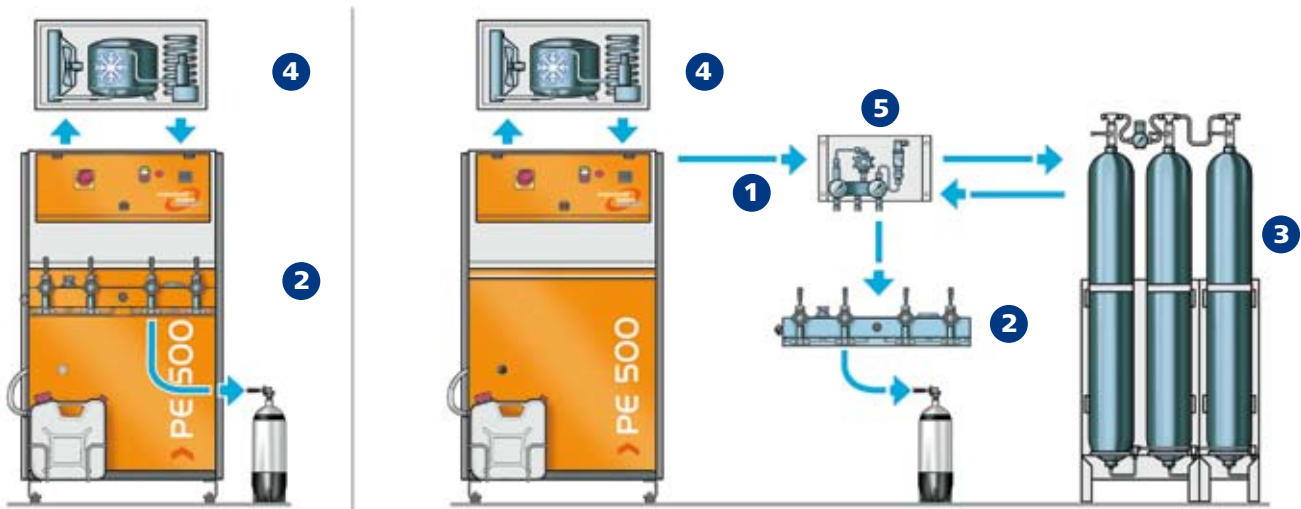
- › Automatic shut-down of the unit after warning for upcoming filter saturation, guarantees compliance with the directives of the EN 12021 breathing air standard.
- › SECURUS assures economical plant operation: Thanks to a sophisticated sensor technique, the filter cartridge can be used until its complete saturation.
- › In contradiction to others, the integrated monitoring sensor system does not have to be calibrated. This provides safety in continuous operation and saves costs.

Equipment variants

OPTIONS	225/330 bar Range			420 bar Range		
Model	PE 320	PE 500	PE 680	PE 320	PE 500	PE 600
Noise level						
Noise reduction	○	○	○	○	○	○
Automation options						
Compressor control	●	●	●	●	●	●
START/STOP	●	●	●	●	●	●
Automatic condensate drain	●	●	●	●	●	●
Air preparation options						
Purification system P 41	●	●		●	●	
Purification system P 61			●			●
SECURUS	○	○	○	○	○	○
Air distribution options						
Filling panel with hose connections	○	○	○	○	○	○
Filling panel with direct connections	○	○	○	○	○	○
225 and 330 bar	○	○	○	○	○	○

● standard scope of supply | ○ optional

Features and options at a glance



- 1** Connection for external filling panel(s) and storage bank(s).
- 2** Filling panel(s) for mounting on the compressor or for external mounting.
Available as 200 bar or 300 bar version or with pressure reducer 200 + 300 bar on choice.
- 3** Storage bank(s).
- 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

Model	Number of stages	F.A.D	R.P.M	Filling rate	Drive		Purification system	Dimensions (app. cm)			Weight net. (app. kg)
					kW	HP		L	W	H	
max. 420 bar		l/min¹⁾	min⁻¹	min¹⁾			P-Range				
200 / 300 bar, Super Silent (VSE-Range) and VE-Range without filling panel											
PE 320-VSE	4	320	1450	0,63	7,5	10	P41	148	83	152	395
PE 500-VSE	4	500	1170	0,40	11	15	P41				435
PE-680-VSE	4	680	1400	0,29	15	20	P61				450
PE 320-VE	4	320	1450	0,63	7,5	10	P41	114	83	152	305
PE 500-VE	4	500	1170	0,40	11	15	P41				345
PE-680-VE	4	680	1400	0,29	15	20	P61				360
420 bar, Super Silent (VSE-Range) and VE-Range without filling panel											
PE 320-VSE-420	4	320	1450	0,63	7,5	10	P41	148	83	152	395
PE 500-VSE-420	4	500	1170	0,40	11	15	P41				435
PE-600-VSE-420	5	600	1400	0,33	15	20	P61				450
PE 320-VE-420	4	320	1450	0,63	7,5	10	P41	114	83	152	305
PE 500-VE-420	4	500	1170	0,40	11	15	P41				345
PE-600-VE-420	5	600	1400	0,29	15	20	P61				360

1) Cylinder filling from 0 to 200bar

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

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PE-G II 320-680-E

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Subject to technical modifications