

THE VE RANGE

Pure power, attractive price

- › **300 – 850 l/min**
- › **225 / 330 / 420 bar**
- › FULFILLS THE REQUIREMENT FOR LARGE QUANTITIES OF BREATHING AIR
- › EASY OPERATION
- › NEW CONTROL AND MONITORING FUNCTIONS
- › BREATHING AIR ACCORDING TO DIN EN 12021¹

¹ Assuming proper maintenance and installation of the systems in accordance with operating instructions/operating manuals, and using the BAUER AERO-GUARD in cases where intake air CO₂ concentration exceeds the levels required by the applicable breathing air standard.



POSEIDON EDITION stands for an excellent ratio of price to capacity and very high quality.

The new generation of the VE-range excels with its high delivery rate of up to 850 l/min.

Tailored for breathing protection and scuba diving requirements, the new compressor control offers quick and easy access to all important functions.



The convincing features

AUTOMATIC OPERATION

Thanks to clearly arranged and functional menu navigation, the new compressor control offers a safe and comfortable operation.

- › In combination with an automatic condensate drain, a fully automatic operation of the compressor unit is standard.
- › For maximum convenience, condensate from all separators is reliably automatically removed by the automatic condensate drain during operation as well as when switching off the compressor unit.
- › An automatic start/stop device controls the independent switching-on/-off of the compressor and permits the use of an automatic selector unit and of a storage system.

The clearly arranged display of the compressor control allows comprehensive monitoring of the unit during operation.

In standard scope of supply the following important functions are already included:

- › An oil pressure control system warns of oil deficiency and wrong rotational direction.
- › Display of the service intervals and hour counter
- › A history of the malfunction messages facilitates the analysis of causes, i.e. saving time and costs.

P 42 OR P 61 PURIFICATION SYSTEM FOR THE PUREST BREATHING AIR

For a reliable supply with breathing air and a higher purity than required by the strict breathing air standard DIN EN 12021¹

- › Genuine cartridges from BAUER safely remove humidity and pollutants from the compressed air.
- › Optional: Giving a much increased life span of the filter cartridge, the **BAUER B-KOOL System** provides for a particularly cost-saving compressor operation.
- › Optional: In the event of high environmental pollution, the **BAUER AERO-GUARD System** filters CO₂ from the intake air affords compliance with the value limits of standard DIN EN 12021¹.

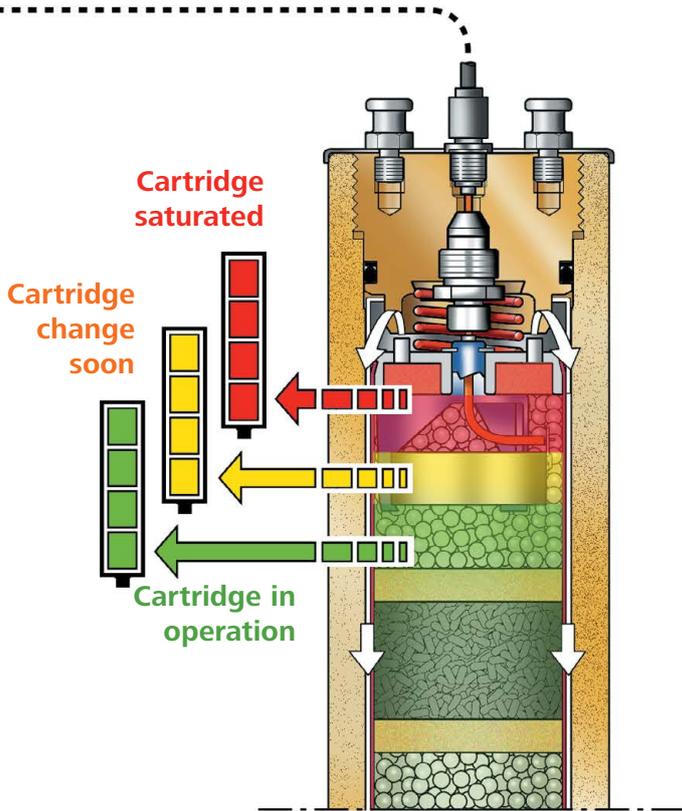


Compressor Control B-CONTROL MICRO



The P42 purification system with integrated separator

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An additional layer of molecular sieve (red marking) allows a time buffer of 3-7 hours after the first warning message.

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B-SECURUS PROVIDES SAFETY

The B-SECURUS filter monitoring system (optional) continually checks the degree of saturation of the cartridge.

- › Automatic switch off of the compressor after adequate warning, in the case of filter saturation, secures compliance with the standard DIN EN 12021¹.
- › **B-SECURUS allows a still more economic compressor operation:**
Thanks to a sophisticated sensor technique, the filter cartridge can be used until its complete saturation assuring that no precious cartridge capacity is given away.
In contrast to other solutions, the integrated monitoring sensor does not have to be calibrated. This provides safety in continuous operation and saves costs.
- › With B-SECURUS all models of the VE range are automatically „ready for PureAir“.
B-SECURUS is one of the prerequisites to being certified according to the BAUER own strict PureAir standard for the safe supply with pure breathing air.

www.bauer-pureair.com

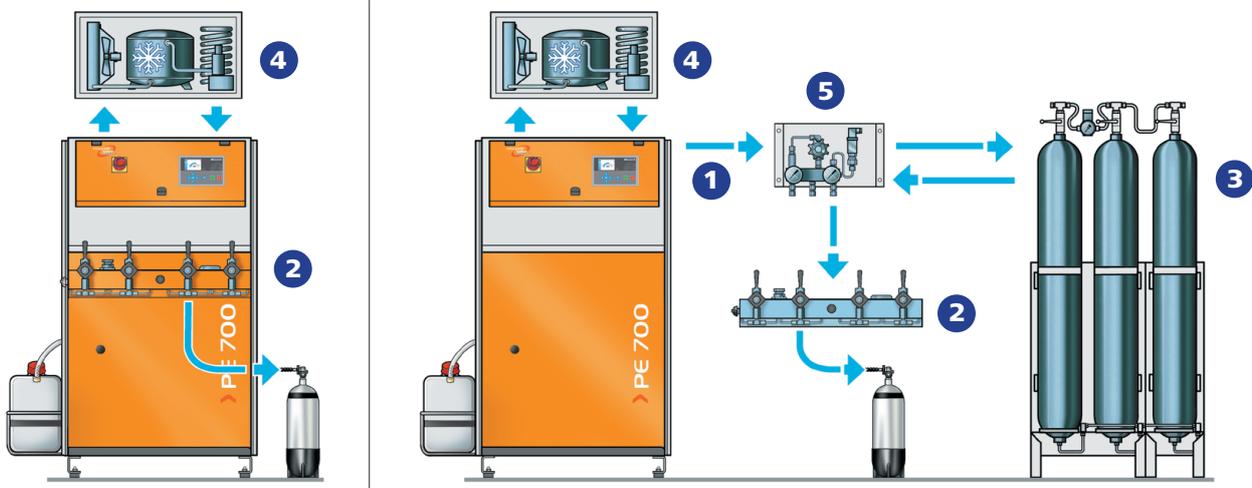
EQUIPMENT VARIANTS

OPTIONS	225/330 bar range					420 bar range		
	PE 300	PE 400	PE 550	PE 700	PE 850	PE 320	PE 500	PE 600
Noise level								
Noise reduction	○	○	○	○	○	○	○	○
Automation								
Compressor control	●	●	●	●	●	●	●	●
Start/Stop	●	●	●	●	●	●	●	●
Automatic condensate drain	●	●	●	●	●	●	●	●
Air purification options								
Purification system P 42 (P 41 at 420 bar)	●	●	●			●	●	
Purification system P 61				●	●			●
B-SECURUS	○	○	○	○	○	○	○	○
B-KOOL	○	○	○	○		○	○	○
Air distribution options								
Filling panel with hose connections	○	○	○	○		○	○	○
Filling panel with direct connections	○	○	○	○		○	○	○
200 and 300 bar	○	○	○	○		○	○	○

● standard scope of supply | ○ optional

² Adjustment of the safety valve

Features and options at a glance



- 1** Connection for external filling panel(s) and storage bank(s).
- 2** Filling panel 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** B-KOOL refrigeration dryer for increased filter cartridge life time.*
- 5** Automatic selector unit for quick automatic filling from an intermediate buffer.

* not available for PE 850-VE

Technical data

Model	Number of stages	Charging rate ¹	R.P.M	Number of cylinder fillings per hour ³	Drive		Purification system	Dimensions ⁴ (approx. cm)			Weight ⁵ net. approx. kg
					kW	HP		L	W	H	
Units up to max. 330 bar²											
PE 300-VE	3	300	1800	9,0	7,5	10	P 42	148	83	152	353
PE 400-VE	4	400	1800	12,0	11,0	15	P 42				394
PE 550-VE	4	550	1230	16,5	11,0	15	P 42				468
PE 700-VE	4	700	1400	21,0	15,0	20	P 61				493
PE 850-VE	4	850	1800	-	18,5	25	P 61	165	83	152	515
Units up to max. 420bar²											
PE 320-VE-420	4	320	1450	-	7,5	10	P 41	148	83	152	405
PE 500-VE-420	5	500	1140	-	11,0	15	P 41				445
PE 600-VE-420	5	560	1490	-	15,0	20	P 61				460

¹ Measured by tank filling from 0-200 bar

³ for 10l cylinder capacity from 0 to 200 bar

⁵ Silent version (Open version 90 kg less weight)

² Adjustment of the safety valve

⁴ Silent version (dimensions open version: 114 x 83 x 152)