

THE NEW VE-RANGE

Pure power, best 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 ACC. TO DIN EN 12021



Our new 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.

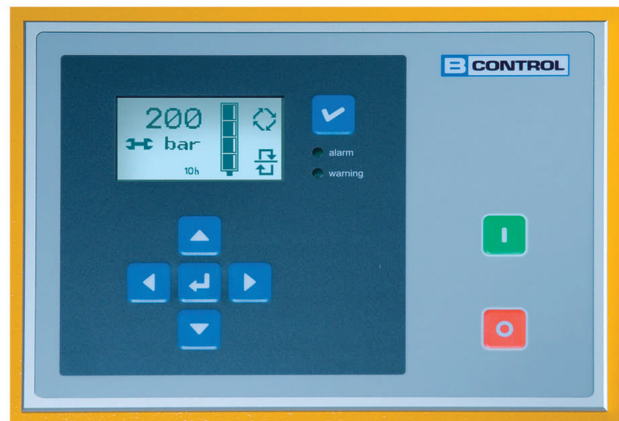


The convincing features

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 during switching off of 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.



Compressor control with SECURUS

The clearly arranged display of the compressor control makes 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.

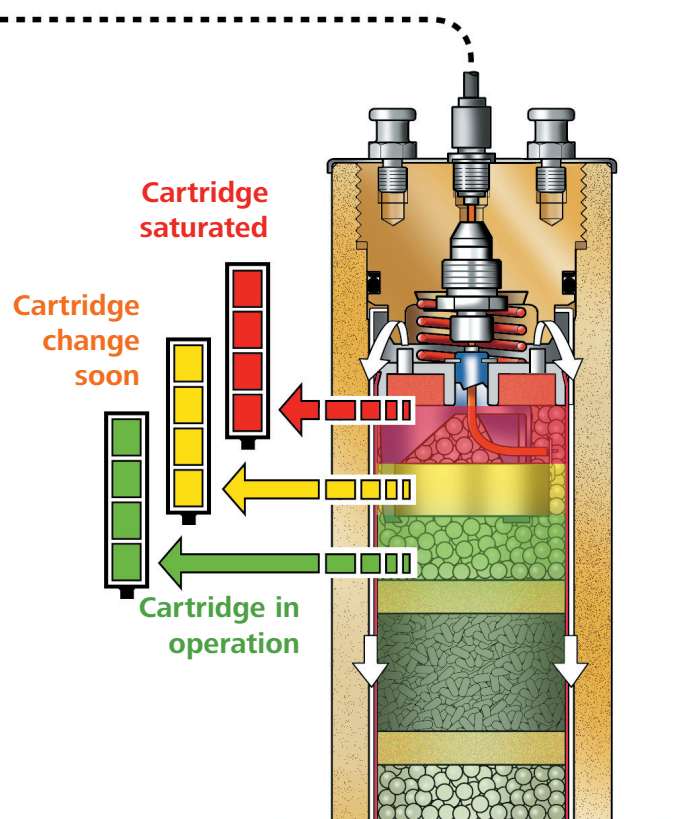
P42 OR P61 PURIFICATION SYSTEM FOR THE PUREST BREATHING AIR

For a reliable supply with breathing air and a higher purity than required by the strict breathing air standard DIN EN 12021

- › 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 assuring compliance with the value limits of standard DIN EN 12021.



The new P42 purification system with integrated separator



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

SECURUS PROVIDES SAFETY

The 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, guarantees permanent compliance with the standard DIN EN 12021.
- › **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 SECURUS all models of the VE range are automatically „ready for PureAir“. 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

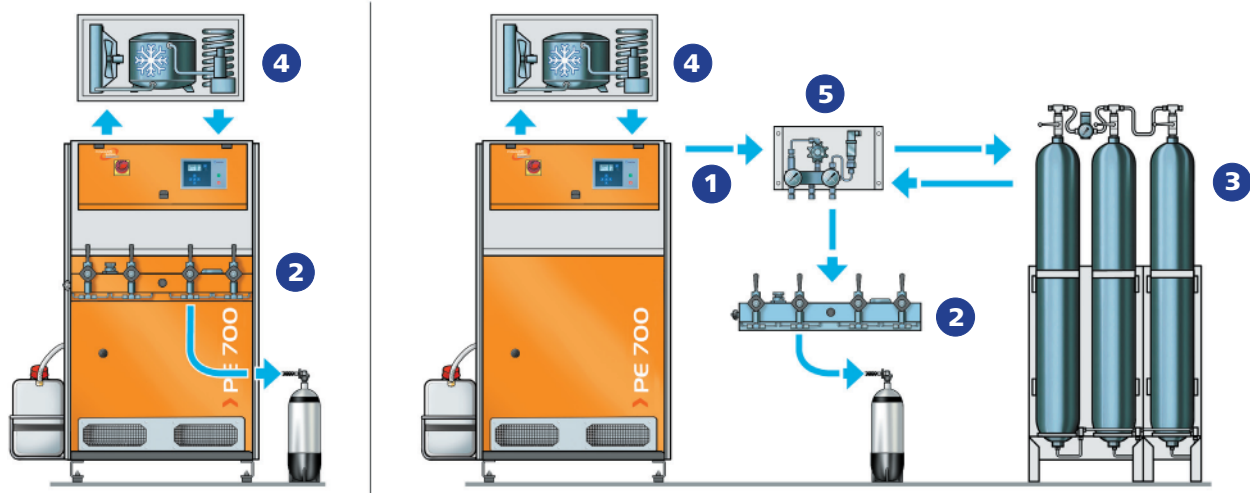
Equipment variants

OPTIONS	225/330 ¹⁾ bar range					420 ¹⁾ bar range		
Model	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 P42 (P41 at 420 bar)	●	●	●			●	●	
Purification system P61				●	●			●
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

1) 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	R.P.M	Number of cylinder fillings per hour	Drive		Purification system	Dimensions ³⁾ (approx. cm)			Weight ³⁾ net. approx.
		l/min	min ⁻¹	minimum ¹⁾	kW	HP	P-range	L	W	H	kg
Units up to max. 330 bar ²⁾											
PE 300-VE	3	300	1800	9,0	7,5	10	P42	148	83	152	353
PE 400-VE	4	400	1800	12,0	11,0	15	P42				394
PE 550-VE	4	550	1230	16,5	11,0	15	P42				468
PE 700-VE	4	700	1400	21,0	15,0	20	P61				493
PE 850-VE	4	850	1800	-	18,5	25	P61	165	83	152	515
Units up to max. 420bar ²⁾											
PE 320-VE-420	4	320	1450	-	7,5	10	P41	148	83	152	405
PE 500-VE-420	5	500	1170	-	11,0	15	P41				445
PE 600-VE-420	5	600	1320	-	15,0	20	P61				460

1) for 10l cylinder capacity from 0 to 200 bar
2) Adjustment of the safety valve

3) Silent version
(Open version 90 kg less weight)