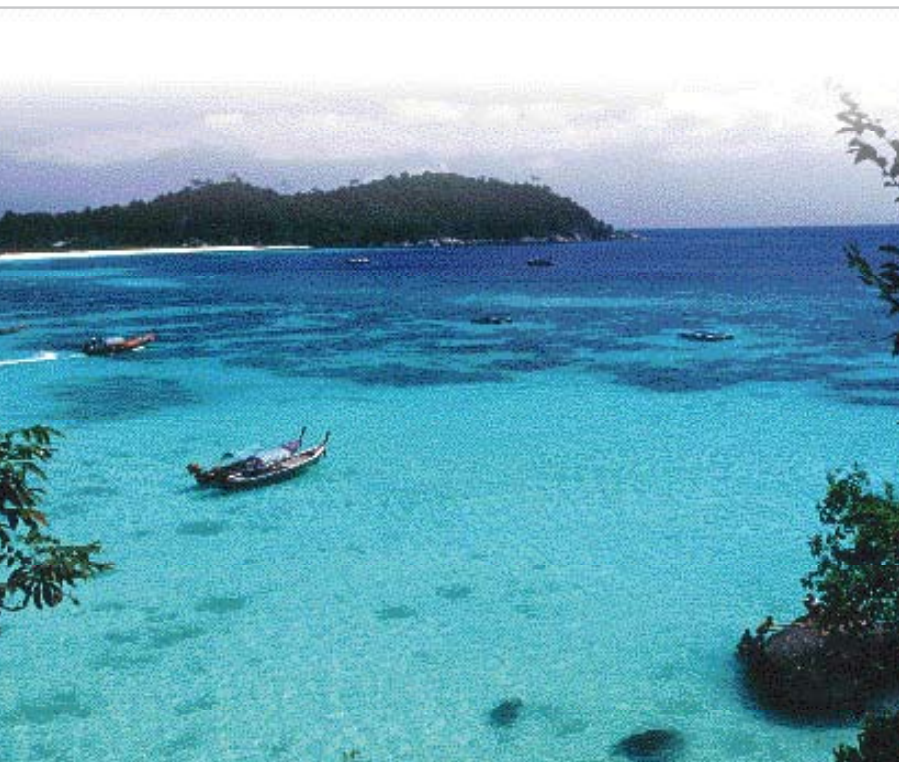


## KAP-VERTICUS RANGE

Professional filling centers  
with the highest performance

- › 260 - 680 l/min
- › 225 / 330 / 420 bar
  
- › FULFILLS THE REQUIREMENT FOR LARGE QUANTITIES OF BREATHING AIR
- › OPEN OR SUPER SILENT
- › B-CONTROL
- › ELECTRONIC FILTER SATURATION CONTROL (OPTION)



**The custom tailored concept for a safe breathing air supply for big diving centers.**

High capacities and the legendary reliability of BAUER guarantee a safe and rapid breathing air supply round the clock. The sophisticated noise abating cabinet assures super silent operation (VERTICUS range). The patented P-purification system guarantees the supply of compressed breathing air acc. to EN 12021 breathing air standard.

## The top range of BAUER - powerful and expandable

The modular system of the KAP-VERTICUS-Range allows a customer-tailored compressor unit acc. to individual requirements and guarantees a simple upgrading such as larger or additional filter housings, SECURUS filter monitoring, external filling panels, storage systems and others.



### The KAP range

**The powerful filling station, which grows according to your needs.**

With little efforts the new KAP can simply be upgraded to a silenced VERTICUS 5 within little time.

Comfortable monitoring of all compressor performances via B-CONTROL. The new optional B-MESSENGER offers remote monitoring and control.

Due to the vertical housing design the block is easily accessible for maintenance work.

The efficient P61 purification system guarantees purest breathing air acc. to DIN EN 12021.



### The VERTICUS range

**For use in particularly noise-sensitive environments.**

Super silent operation with less than 68 dB(A)\* due to high absorbent special insulation materials in and efficient noise reducing construction of the "super silent" cabinet..

Comfortable monitoring of all compressor performances via B-CONTROL. The new optional B-MESSENGER offers remote monitoring and control.

Due to the vertical housing design the block is easily accessible for maintenance work.

The efficient P61 purification system guarantees purest breathing air acc. to DIN EN 12021.

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

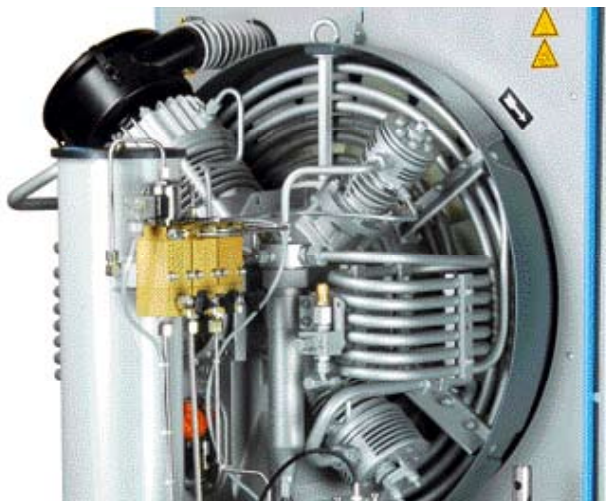


## The convincing features

### THE COMPRESSOR BLOCK - HEART OF THE UNIT

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.



4-stage high pressure compressor block K150

### FULL CONTROL DUE TO B-CONTROL AND B-MESSENGER

The B-CONTROL allows free programming acc. to individual customer's needs.

- › Operating convenience due to big 8-line LCD-display and free choice of languages (7 languages).
- › Optional: Interconnected operation of several units is possible.

- › The B-MESSENGER (optional) informs the operator via SMS on the mobile phone or pager or fax about all relevant compressor data, e.g. forthcoming maintenance work or filter changes etc.



B-CONTROL and B-MESSENGER

### PURE SAFETY THROUGH THE BAUER P-SYSTEM

The patented P purification system guarantees the supply of compressed breathing air acc. to EN 12021 and offers long filter cartridge life time.

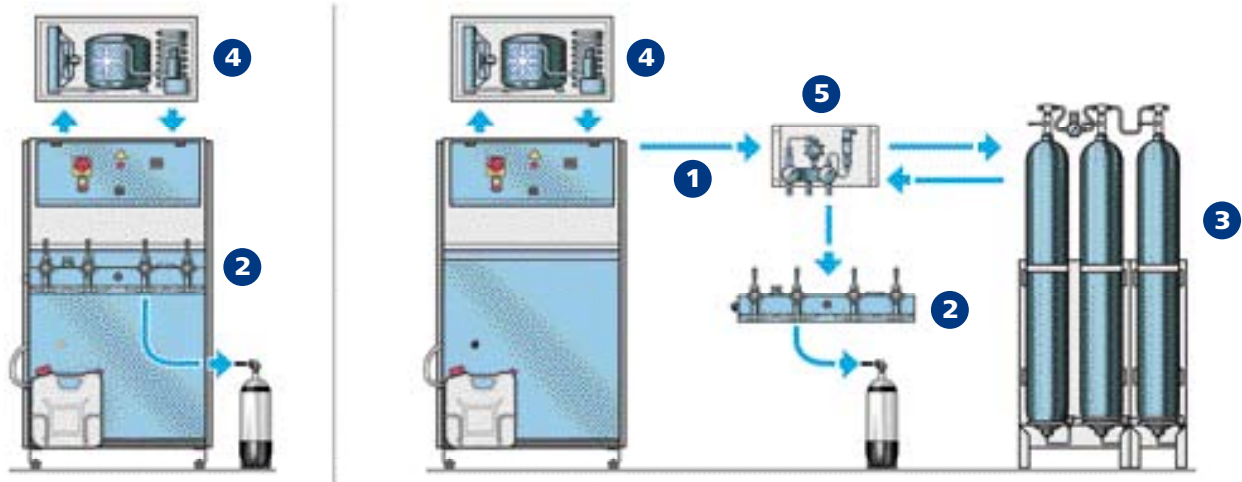
- › The new oil and water separator has been integrated into the bottom of the filter housing, together with the final pressure safety valve for 225/330 bar.
- › The automatic condensate drain device drains condensate from all intermediate separators and final separator during operation and shut-down of the unit and is opened for unloaded start-up, too.

### SECURUS - THE BODYGUARD OF YOUR PURIFICATION SYSTEM

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.
- › High efficiency due to optimum use of the filter cartridge.
- › In contradiction to others, the integrated monitoring sensor system does not have to be calibrated.

## 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 l/min <sup>1)</sup>	R.P.M min <sup>-1</sup>	Filling rate min <sup>2)</sup>	Drive		Filter system P-Range	Dimensions (app. cm)			Weigt net. approx. kg)
					kW	HP		L	W	H	
<b>KAP-Range</b>											
KAP 12.14-5.5-5 <sup>4)</sup>	4	260	1185	0,8	5,5	7,5	P61 or P81 <sup>5)</sup>	114	83	152	305
KAP 12.14-7.5-5 <sup>4)</sup>	4	320	1470	0,6	7,5	10					310
KAP 15.1-7.5-5	4	370	1050	0,5	7,5	10					340
KAP 15.1-11-5	4	450	1320	0,4	11	15					350
KAP 150-11-5	4	540	1230	0,4	11	15					350
KAP 180-15-5	4	680	1400	0,3	15	20					365
<b>VERTICUS 5-Range</b>											
V12.14-5.5-5 <sup>4)</sup>	4	260	1185	0,8	5,5	7,5	P61 or P81 <sup>5)</sup>	148	83	152	395
V12.14-7.5-5 <sup>4)</sup>	4	320	1470	0,6	7,5	10					400
V15.1-7.5-5	4	370	1050	0,5	7,5	10					430
V15.1-11-5	4	450	1320	0,4	11	15					440
V150-11-5	4	540	1230	0,4	11	15					440
V180-15-5	4	680	1400	0,3	15	20					455

1) also available with switch over device PN 200/300  
2) Cylinder filling from 0 to 200bar

3) Filling rate for 11 cylinder capacity from 0 to 200 bar  
4) Also available as 420 bar version

5) Option

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**KAP-VERTICUS-TA-E**  
01.09 PR 0171  
Subject to technical modifications