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Bauer KAP-Verticus Range Compressors

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The custom tailored concept for a safe breathing air supply for big diving centres. 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 P-purification system guarantees the supply of compressed breathing air according to EN 12021 breathing air standard.

The modular system of the KAP-Verticus range allows a customer-tailored compressor unit according 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 provides purest breathing air according to DIN EN 12021.

The Verticus Range

For use in particularly noise-sensitive environment.

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 provides purest breathing air according to DIN EN 12021.

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

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 and 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.

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Pure Safety through the Bauer P-System
The P purification system provides the supply of compressed breathing air according 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, provides 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.

Full Control Due to B-Control and B-Messenger

The B-Control allows free programming according 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.

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KAP Range						
Max. 330 bar ¹⁾						
Model	KAP 12. 14-5.5-5 ⁴⁾	KAP 12 14-7.5-5 ⁴⁾	KAP 15 1-7.5-5	KAP 15 1-11-5	KAP 150-11-5	KAP 180-15-5
No. of stages	4	4	4	4	4	4
FAD l/min ¹⁾	260	320	370	450	540	680
RPM min ⁻¹	1185	1470	1050	1230	1230	1400
Filling rate min ²⁾	0,8	0,6	0,5	0,4	0,4	0,3
Drive kW	5,5	7,5	7,5	11	11	15
Drive HP	7,5	10	10	15	15	20
P-Range	P61 or P81 ⁵⁾	P61 or P81 ⁵⁾	P61 or P81 ⁵⁾	P61 or P81 ⁵⁾	P61 or P81 ⁵⁾	P61 or P81 ⁵⁾
Dimensions (approx cm)						
L x W x H	114 x 83 x 152	114 x 83 x 152	114 x 83 x 152	114 x 83 x 152	114 x 83 x 152	114 x 83 x 152
Weight net. (approx kg)	305	310	340	350	350	365
Order Code	KAP 12.14-5.5-5	KAP 12.14-7.5-5	KAP 15.1-7.5-5	KAP 15.1-11-5	KAP 150-11-5	KAP 180-15-5

Verticus 5-Range						
Max. 330 bar ¹⁾						
Model	V12.14-5.5-5 4)	V12.14-7.5-5 4)	V15.1-7.5-5	V15.1-11-5	V150-11-5	V180-15-5
No. of stages	4	4	4	4	4	4
FAD l/min ¹⁾	260	320	370	450	540	680
RPM min ⁻¹	1185	1470	1050	1320	1230	1400
Filling rate min ²⁾	0,8	0,6	0,5	0,4	0,4	0,3
Drive kW	5,5	7,5	7,5	11	11	15
Drive HP	7,5	10	10	15	15	20
P-Range	P61 or P81 5)	P61 or P81 5)	P61 or P81 5)	P61 or P81 5)	P61 or P81 5)	P61 or P81 5)
Dimensions (approx cm)						
L x W x H	148 x 83 x 152	148 x 83 x 152	148 x 83 x 152	148 x 83 x 152	148 x 83 x 152	148 x 83 x 152
Weight net. (approx kg)						
Order Code	V12.14-5.5-5 4)	V12.14-7.5-5 4)	V15.1-7.5-5	V15.1-11-5	V150-11-5	V180-15-5

- 1 Also available with switch over device PN 200/300
- 2 Cylinder filling from 0 to 200 bar
- 3 Filling rate for 1l cylinder capacity from 0 to 200 bar
- 4 Also available as 420 bar version
- 5 Option

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