

VERTICUS 5 INDUSTRY

The Compressor System for Air and Nitrogen

- › 85 – 1980 l/min
- › 25 – 500 bar

- › FOR MEDIUM AND HIGH PRESSURE
- › PROVEN RELIABILITY
- › WIDE VARIETY OF USES



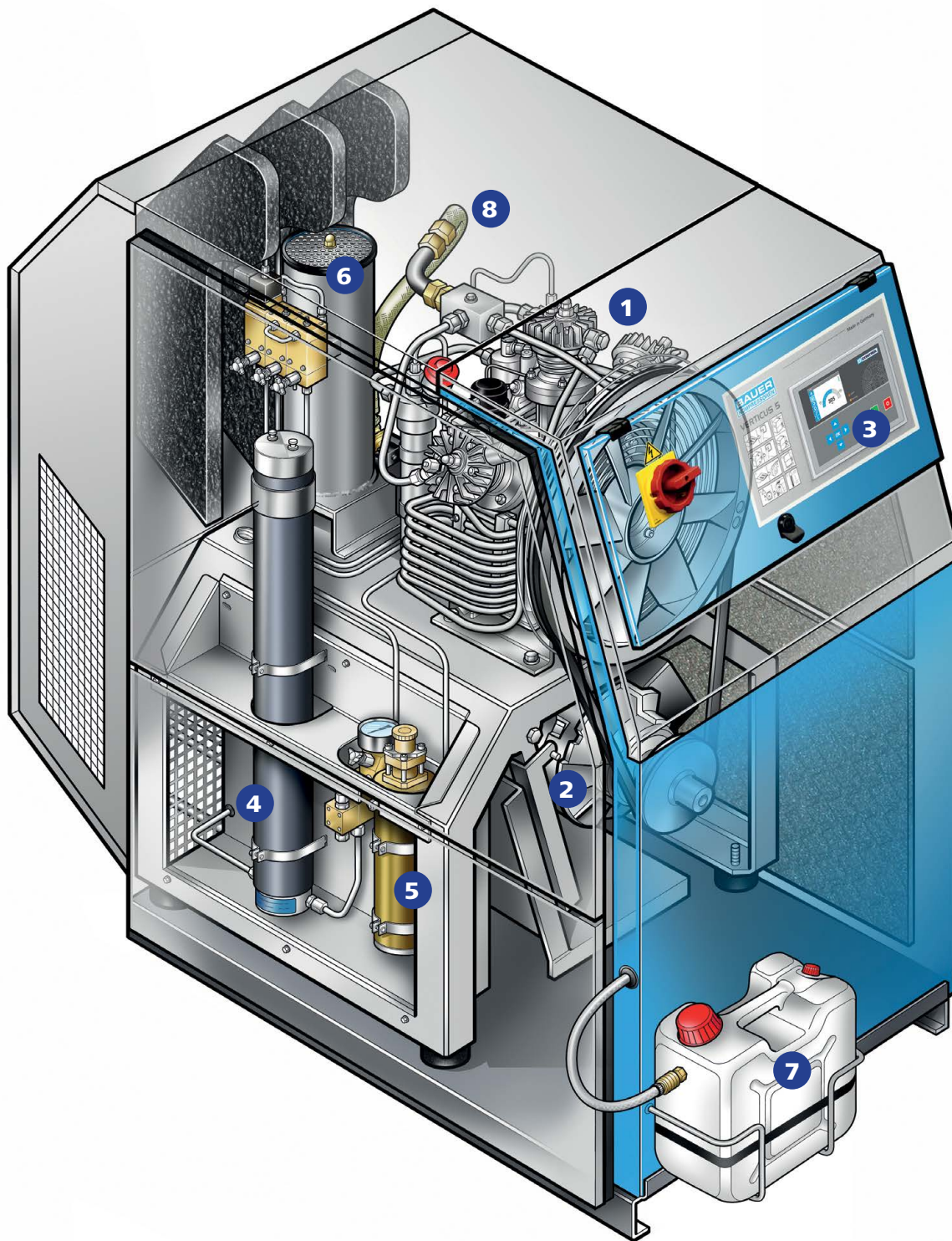
The heavy duty system with excellent reliability for compressing air and nitrogen (N₂).

The BAUER B-CONTROL combines fully automatic start-stop-operation with maximum user confidence.

The optional BAUER purification systems offer high gas and air purity.

Units available in standard open or Super Silent version.





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|----------------------------------|--|
| 1 COMPRESSOR BLOCK | 5 OIL AND WATER SEPARATOR |
| 2 3-PHASE MOTOR | 6 SSC CONDENSATE DRAIN SYSTEM |
| 3 COMPRESSOR CONTROL | 7 CONDENSATE COLLECTING TANK |
| 4 FILTER SYSTEM P 61/P 81 | 8 GAS INTAKE (N ₂ COMPRESSION) |

Compress without Compromise

THE UNIT CONCEPT

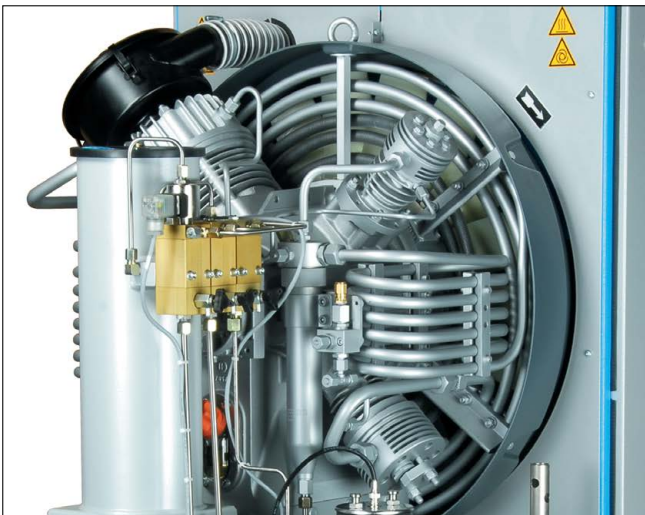
Modular-unit-concept to make an easy upgrade your compressor with filter systems, extended control and noise control.

- › The construction and configuration ensures that installation doesn't require a special foundation.
- › Optional: Up to two high pressure storage cylinders mounted on a single base frame.

COMPRESSOR BLOCK

At the heart of the compressor system, the proven and tested BAUER compressor block stands for reliability and maximum economy in service.

- › The extremely robust industrial roller bearings are rated for continuous operation and heavy-duty operating conditions.
- › Hardened, plasma nitrated cylinders with a special plateau honing for minimum oil consumption and abrasion of moving parts.
- › Because of the well engineered cooling air circulation in the compressor housing and with an inter-cooler after every stage, optimum heat dissipation is reached.
- › Virtually zero wear piston rings made of high-tech plastics in the high pressure final stage.
- › Maintenance-free low pressure oil pump with oil filter for a reliable lubrication and longevity of the block.



4-stage high pressure compressor block IK 150

PURIFICATION SYSTEM P 61 AND P 81

Depending on the application, high air or gas quality may be required.

- › BAUER's integratable P 61 and P 81 high-pressure purification systems reliably remove humidity and oil vapour from the compressed medium.
- › B-SECURUS electronic saturation control (optional on high pressure installations) continuously monitors the saturation of the final filter cartridge and ensures a constant air/gas quality.



B-CONTROL MICRO compressor control

B-CONTROL MICRO

The B-CONTROL MICRO is a modern, easy-to-use control system with colour display, which controls and monitors all basic functions of the compressor.

- › 3.5" TFT colour monitor with clear text display
- › Maintenance management: Maintenance information is displayed.
- › The system log stores incident history
- › Password protection for various menu levels

SUPER SILENT-ENCLOSURE

For critical locations where low ambient noise level is mandatory.

- › All compressor units of the industrial VERTICUS 5 range are available in standard open or Super Silent version.
- › Super Silent enclosure parts can be easily retrofitted to the standard open version.

Technical Data

Model	F.A.D. ¹		Number of stages	Speed	Motor	Power consumption	Net weight approx.
	l/min	m ³ /h		r.p.m.	kW	kW	kg
I-Range, 90 – 350 bar / 1300 – 5000 psig							
I 100 - 3 - 5	85	5,1	3	900	3	2,2	335
I 100 - 4 - 5	125	7,5		1270	4	3,3	340
I 120 - 4 - 5	170	10,2		1200	4	3,7	345
I 120 - 5,5 - 5	215	13		1470	5,5	4,7	355
I 12.14 - 7,5 - 5 ³⁾	300	18	4	1450	7,5	6,5	365
I 15.1 - 7,5 - 5	340	20,4		1050	7,5	6,9	440
I 15.1 - 11 - 5	420	25,2		1320	11	9,6	450
I 150 - 11 - 5	500	30		1230	11	10,2	450
I 180 - 15 - 5	610	36,6		1320	15	12	470
I-Range, 350 – 500 bar / 5000 – 7200 psig							
I 15.11 - 7,5 - 5	310	18,6	4	960	7,5	7	440
I 15.11 - 11 - 5	420	25,2		1320	11	10,4	450
I 18.1 - 15 - 5	550	33	5	1320	15	12,4	470

Model	Intake pressure	F.A.D. ¹		Number of stages	Speed	Power consumption
	bar _(g)	l/min	m ³ /h		r.p.m.	kW
BOOSTER GIB, 90 – 350 bar / 1300 – 5000 psig						
GIB 12.2 - 5,5 - 5	5–11	200–475 ²	12–28,5	2	1230	3,3–5,1
GIB 15.3 - 11 - 5	7–10	510–750 ²	30,6–45		1140	6,6–8,2
GIB 15.4 - 15 - 5	2–4	450–750 ²	27–45	3	1320	7,6–11,3
BOOSTER BGIB, 25 – 50 bar / 360 – 700 psig						
BGIB 12.3 - 5,5 - 5	5–10	465–1550 ²	18–93	1	1300	3,1–5,4
BGIB 12.3 - 7,5 - 5	10–13	1530–1980 ²	91,8–118,8		1300	4,7–6,3

¹ Measured according to ISO1217² Maximum capacity according to the combination of intake and final pressure³ Not suitable for N₂

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Subject to technical modifications