

VERTICUS BOOSTER RANGE

for compressing air and nitrogen

- › Intake pressure: 5-13 bar
- › Operating pressure: 25-50 bar
- › F.A.D: 28-119 m³/h

- › COMPACT DESIGN
- › ENERGY SAVING
- › HIGH EFFICIENCY



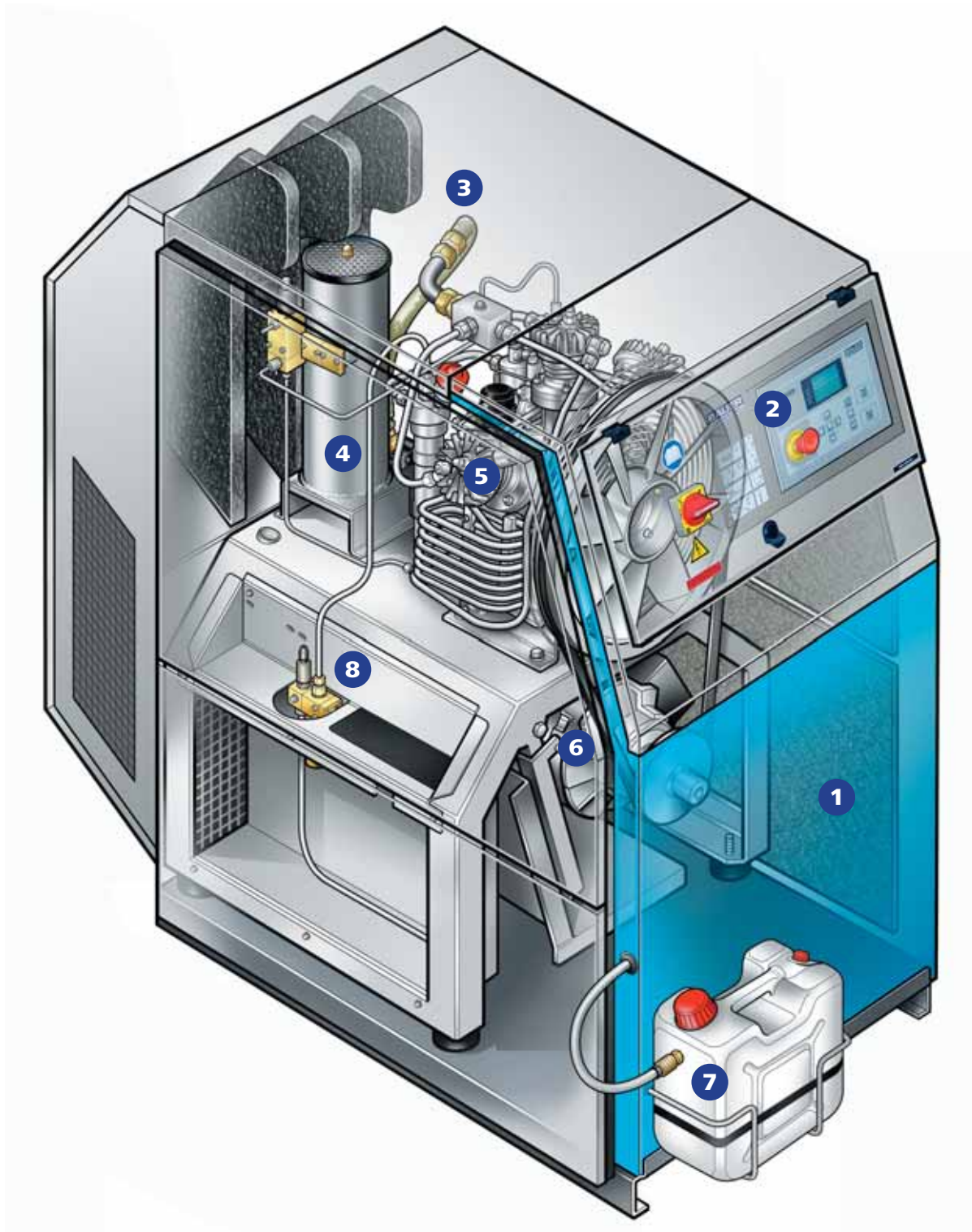
The new booster range with high capacities and best efficiency especially at low pressures.

Constructive minimisation of cylinder attrition result in very high efficiency.

A well proven compressor concept, available in open and Super Silent version.

Designed for long life and low operating costs.





1 SOUND-DAMPING

2 B-CONTROL

3 INTAKE LINE

4 SSC-CONDENSATE COLLECTING SYSTEM

5 COMPRESSOR BLOCK

6 3-PHASE MOTOR

7 CONDENSATE COLLECTING TANK

8 PRESSURE MAINTAINING AND NON RETURN VALVE

HIGH QUALITY COMPONENTS

THE COMPRESSOR BLOCK

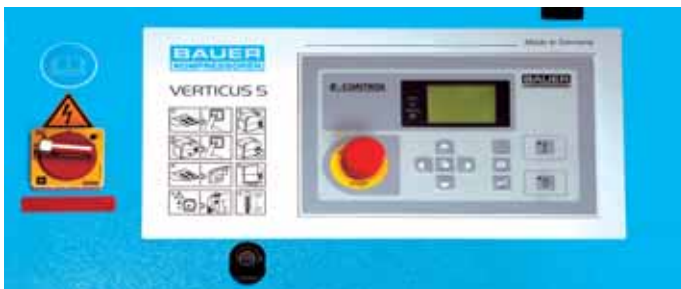
The heart of the system - the 1-stage-block - joins high capacities with a compact design.

- › Durable and industrial anti-friction bearing with a minimum friction.
- › hardened, plasma nitrated cylinders with a special plateau honing for minimum oil consumption and abrasion of moving parts.
- › 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.
- › Interstage and afterstage coolers made of stainless steel.

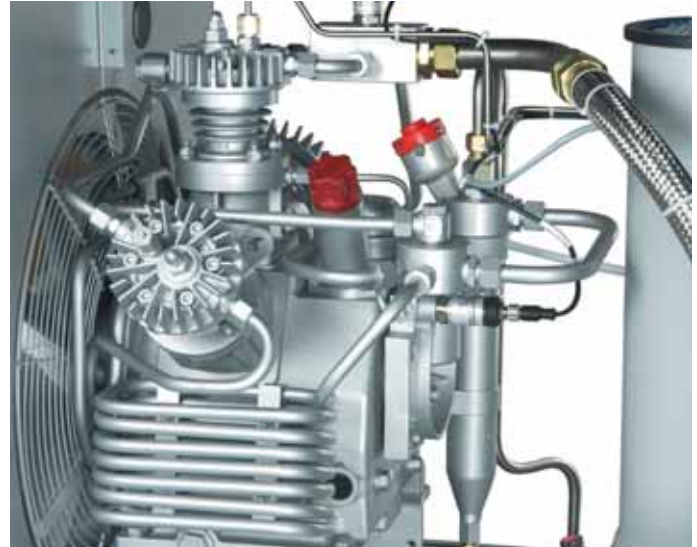
B-CONTROL - TOTAL CONTROL

Many industrial processes require remote monitoring and fully automatic operation.

- › The BAUER B-CONTROL (PLC control) allows free programming acc. to customers requirements.
- › Compressor operation can be regulated via integrated final pressure sensors in the storage cylinders, so that the complete system is operating fully automatically.
- › When final operating pressure is reached the compressor shuts down automatically.
- › Operating convenience due to a big 8-line LCD-display and free choice of languages.
- › An optional CAN-Bus-interface allows interconnected operation of several units, remote online-monitoring and integration in higher-ranking control systems.



B-CONTROL - the fully automatic compressor control



1-stage compressor block - compact design at high F.A.D.

SSC - QUIET COLLECTION CLEAN DISPOSAL

The problem of odours and impurities caused by oil and water condensates arising in every stage of compression can be effectively resolved with the SSC condensate collecting system.

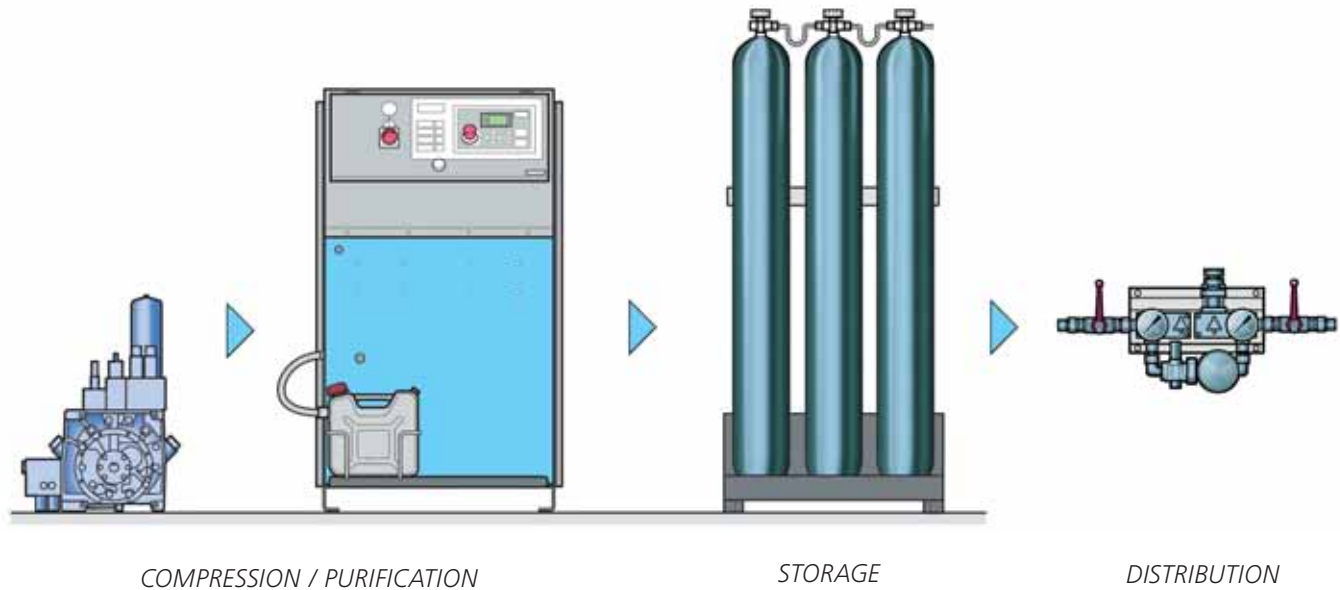
- › The SSC condensate collecting tank with sound-proofed special filter supplies odourless exhaust air, reduces the blow-off noise during condensate drainage.
- › The SSC-system prevents pollution of the compressor unit.
- › A serial automatic condensate drain device is installed in every unit.

SUPER SILENT HOUSING - SILENCE ON DEMAND

Depending on siting criteria noise reduction is mandatory.

- › All compressor units of the industrial VERTICUS range are available in standard open or Super Silent version acc. to customers requirement.
- › Site conditions change? No problem! Thanks to the modular concept open units can be upgraded to Super Silent compressors in next to no time.
- › Very quiet operation at approx. 69 dB(A) because of the high absorbent special sound dampening and sound suppression housing construction.

PROCESS SUPPLY SYSTEM



TECHNICAL DATA

Model	F.A.D. ¹⁾		Number of stages	Intake pressure	Operating pressure	Speed	Motor power	Power consumption	Net weight app.
	l/min	m ³ /h		(bar g)	bar	r.p.m	kW	kW	kg
BGIB 12.3-5,5-5	610	37	1	5	25	1300	5,5	3,1	365
	550	33	1	5	30	1300	5,5	3,2	365
	465	28	1	5	40	1300	5,5	3,4	365
BGIB 12.3-5,5-5	1040	62	1	7,5	25	1300	5,5	3,7	365
	950	57	1	7,5	30	1300	5,5	4,0	365
	800	48	1	7,5	40	1300	5,5	4,3	365
	700	42	1	7,5	50	1300	5,5	4,5	365
BGIB 12.3-5,5-5	1470	88	1	10	25	1300	5,5	4,0	365
	1390	83	1	10	30	1300	5,5	4,6	365
	1210	73	1	10	40	1300	5,5	5,2	365
	1080	65	1	10	50	1300	5,5	5,4	365
BGIB 12.3-7,5-5	1980	119	1	13	25	1300	7,5	4,7	375
	1860	112	1	13	30	1300	7,5	5,0	375
	1690	101	1	13	40	1300	7,5	5,7	375
	1530	92	1	13	50	1300	7,5	6,3	375

1) measured acc. to VDMA 4362, tolerance ± 5%, with gas flow meter at 0,8 factor of final pressure

