BAVARIA
KOMPRESSOREN

Technical data

BAVARIA PURE POWER

The industrial compressor for Maximum performance and reliability

made in BAVARIA

▶ Technical data	PURE POWER
Speed / delivery capacity / filling time Filling time is calculated from the time required to fill a 10 litre breathing apparatus from 0 to 200 bar. The calculation is based on an ambient air pressure of approx. 1013 mbar.	PURE POWER 450 1,250 rpm.= 450 L/min. 27.0 m³/h, 15.89 c.f.m., 4min, 30sec PURE POWER 550 1,150 rpm= 550 L/min. 33.0 m³/h, 19.42 c.f.m. 3 min. 40 sec.
Suction pressure, operating pressure	Atmospheric (0.5-1.2 bar), 90 to 350 bar, 420 bar at extra cost
Set pressure final pressure safety valve (can be lifted)	Set value according to order, max. 420 bar with type certificate
Number of cylinders	4 levels
Intermediate pressure safety valves	For each compressor stage
Direction of rotation	Anti-clockwise
Cooling, cooling air requirement	Air cooling, approx. 3200-5400 m³ hrs.
Lubrication	Maintenance-free low-pressure oil pump
Compressor block oil quantity, oil type	4.9 litre special synthetic oil with breathing air approval and safety data sheet
Max. permissible ambient temperature	+5°C.- +45°C (+43°F...+113°F)
Motor: Three-phase cage rotor, 3-phase, protection class IP55, 2,850 rpm, 400 V-415V, 50/60 Hz	PURE POWER 450, 7.5kW/400V/50Hz; PURE POWER 550, 9 kW/400V/50Hz;
Compressor frame welded steel, compressor frame with vibration dampers, compressor and drive extra decoupled	Powder-coated RAL 9007 aluminium silver + RAL 9005 black by means of swing elements 55 x 50 mm
Compressor dimensions: L x W x H, weight, noise from 1.5 m distance	1150 x 600 x 800 mm, approx. 260-280 kg, 84dbA, approx. 260kg
Intake air filter	Micronic Superfine
Pressure indicators 1 pressure gauge and several sensors, shown on the display	Precision manometer filled with glycerine "CLASS 1.6"
Control system	Star delta soft start, start-stop button, main switch and emergency stop button
Automatic condensate drain with 3 condensate separators and silencer	every 15 to 20 minutes + collection container 5 litres
Compressor final pressure cut-out and pressure relief,	automatically
Pressure retention valve, non-return valve, final pressure safety valve	120 bar, 2 non-return valves, 1 final pressure safety valve with type certificate - can be vented

Model Operating pressure	Drive motor	Delivery quantity	Steps	Rotation number	Engine		Dryer system	Dimensions (cm)			Net weight
350 bar-420 bar	**Electricity**	**l/min**		**rpm**	**kW**	**PS**	Stand alone	**L**	**B**	**H**	**kg**
TVCP 450 350 bar ar	400V 50/60 Hz	450	4	1.250	7,5	10	FT 410 50x25x65	115	60	80	260
TVCP 550 350 b	400V 50/60 Hz	550	4	1.150	9	12	FT 810 50x25x65	115	60	80	275

Equipment details - Technical data	450	550
200 or 300 bar version (optional 420 bar with uppon price 1.440,00€)	●	●
1 main air outlet for connecting an external filling ramp or storage unit	●	●
AIRSAVE PRO E Monitoring the saturation of the dryer cartridges	○	○
Activated carbon adsorber for removing all oil vapours and hydrocarbons for Aisave Oil Control	○	○
FT 410 dryer system, other larger dryer systems optionally available	●	
Dryer system FT 810 Airsave= 2200 m³@ 20°C,	○	●
Oil pressure monitoring	○	○
Oil level check	●	●
Pressure of the intermediate stages analogue with pressure gauges per 1.-2. and 3. stage	○	○
Automatic condensate drain	●	●
30 litre collection container with level monitoring and silencer	○	○
Automatic flushing of accumulated CO_2 from the dryer housing when the compressor starts	○	○
AIRSCRUBBER reduces the CO^2 concentration in the intake air to up to - 800 litres/min.	○	○
Air Hepa filter at 300 bar outlet with fine dust separation up to 1 µ	○	○

● standard| " optionally available| X not possible,

* only in conjunction with HMI TCC

Subject to technical changes.
Illustrations may contain optional extras.

ALL-CERT DIN EN ISO 9001

Leading Company of Germany

TÜV AUSTRIA CERTIFIED

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