

CNG compressors

J.A. Becker & Söhne



SV-type compressors for natural gas filling stations

The compressor is the most important part of the CNG filling station. Choice of a reliable compressor of proven manufacturer guarantees its long and trouble-free operation.

The company J. A. Becker & Söhne is an European key supplier and market leader in Germany for natural gas vehicle refueling. J. A. Becker & Söhne has been developing and producing compressors for industrial applications for decades.

Compressors have a relatively simple construction with good accessibility of all serviced parts. Also all connection parts are well accessible and organized.

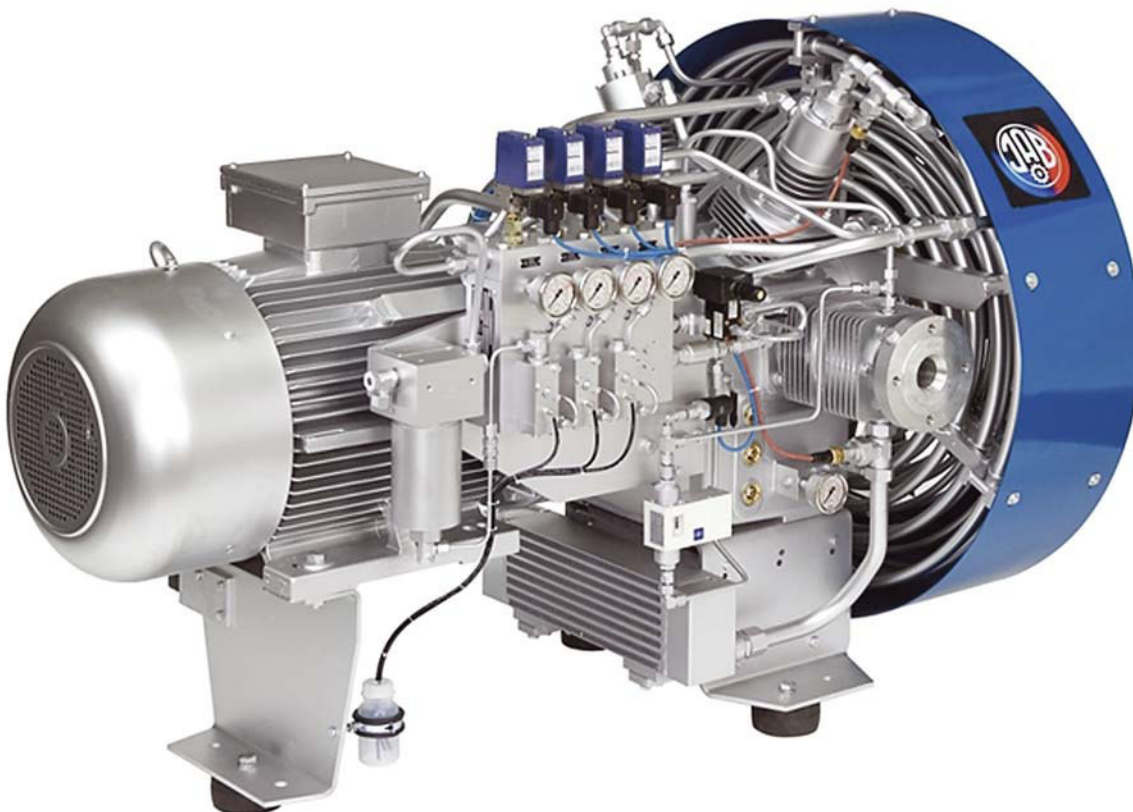
In connection with using top quality materials, the compressors have very high reliability, which does not decrease even after dozens of thousands of operation hours. Basic service interval is set at 2,000 operating hours.

Electric drive of the compressor, the compressor itself, as well as the piping of compressed gas between compressor stages are air cooled.

Lubrication of the compressor and the electric motor is performed by bearings with a permanent filling. Lubrication of the compressor cylinders is ensured by means of the oil pump. In case of unfavorable climatic conditions it is possible to equip the compressor oil pan with a special plate with electric heating. Due to the very precise processing of all parts, oil losses are quite negligible.

The compressor is equipped with a drain system for each pressure stage separately and shared outlet pipe to the drain container.

The electric motor and all other equipment are explosion-proof.



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Technical parameters

TYPE	INLET PRESSURE (bar)	PERFORMANCE * (Nm ³ /hod)	ELECTRIC MOTOR (kW)	STAGES	REVOLUTION (1/min)	WEIGHT (kg)
SV 225/300NG	0,02	11,6	6,8	3	1500	190
	0,3	15,1				
SVC 450/300NG	0,02	27	17	4	1500	330
	0,3	36				
SVD 700/300NG	0,02	40,8	27	4	1500	530
	0,3	51				
SVB 950/300NG	0,02	52	33	4	1500	690
	0,3	66				
SVB 1100/300NG	0,02	57,6	33	4	1500	690
	0,3	76,8				
SVB 1300/300NG	0,02	74	40	4	1500	700
	0,3	97				
	0,5	113				
SVB 1300/300NG1	0,3	98	40	4	1500	700
	0,5	113				
	0,7	128				
	0,9	144				

* ISO 1217 tolerance $\pm 5\%$ measured at 300 bar

errors and omissions excepted

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