

The K Series: compact, cost efficient, consistently oil free. Construction advantages.



UNIQUE: THE PUSH ROD PRINCIPLE.

The BOGE K series is engineered to provide a cost effective source of oil free compressed air. It utilises an innovative push rod principle. This design reduces frictional forces and consequently reduces wear. The cylinder bore, in which the special compound coated piston moves, is made of a high strength aluminium-silicon alloy. As the push rod principle operates 100 percent oil free, neither the generated compressed air nor the accrued condensate, contain even the slightest trace of oil.



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The innovation boost for oil free compressed air: The BOGE K series has been developed utilising the unique push rod system ensuring the absolutely efficient generation of oil free compressed air with extremely low wear and all in a compact design. The BOGE K series is the ideal solution for fluctuating compressed air demand regardless of whether used as a basic load or peak load machine in industry sectors that demand oil free air.



100 PERCENT OIL FREE

You can absolutely rely on the BOGE K series because the system is designed to work 100 percent oil free to prevent any contamination right from the start – producing consistently high quality and environmentally friendly compressed air. No oil in the compressed air, no oil in the condensate!



100 PERCENT DEMAND ORIENTED

The BOGE K series is engineered to adapt to your air requirements. Single stage generation up to 10 bar, multi stage generation up to 15 and/or 40 bar. With rated motor powers between 2.2 and 11 kW producing outputs between 244 and 1.296 l/min.



100 PERCENT ECONOMICALLY EFFICIENT

The BOGE K series provides benefits and savings in several ways: with regard to downstream air treatment; with regard to condensate disposal; with regard to service because of minimised maintenance and inspection costs; with regard to lifecycle costs because no oil changes are required at all, and with regard to power consumption because K stands for energy efficient operation.



LOW WEAR

The push rod with piston guide system optimises efficiency by reducing friction and wear. As a result, the service life of the piston coating is considerably higher – and your maintenance costs are kept consistently lower.



INTELLIGENT CONTROL SYSTEM

The K series machines is equipped with the BASIC control as standard or the FOCUS control as an option where the BOGE leakage monitor comes as a standard enabling you to monitor your compressed air network for leakages.



FLEXIBLE RANGES OF APPLICATION

The BOGE K series is, among others, successfully used in hospitals, the pharmaceutical industry, the food industry and in breweries – or wherever absolutely oil free compressed air, a compact design and efficiency play an important role.



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OIL-FREE

Piston compressors **K 3 to K 15**

Compressor units **K 3- to K 15-**



Effective free air delivery: 244 – 1296 l/min, 9 – 46 cfm

Pressure range: 10 – 40 bar, 150 – 600 psig

Rated power: 2.2 – 11 kW, 3 – 15 HP



K 3 to K 15

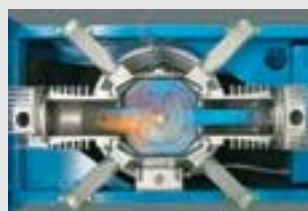


K 3- to K 15-



OIL-FREE SYSTEM

The K series does not use an oil-lubricated crosshead drive. It is therefore ideally suited to sensitive applications where absolutely oil free compressed air is paramount such as in the pharmaceutical and food industries.



PUSH ROD PRINCIPLE

BOGE developed the K series oil-free piston compressor utilising state-of-the-art compressor technology. The cylinder is mounted horizontally, and a centrally located crankshaft operates a push rod principle, ensuring the piston remains parallel in the cylinder. This innovation vastly reduces



EFFICIENCY

As an oil-free compressor, the requirement for downstream air treatment is significantly reduced – if not eliminated with the K series. Therefore pressure losses experienced during the treatment process can be minimised or eradicated leading to a noticeable reduction in energy costs.



BASIC CONTROL

Optional the K series is available with the BOGE BASIC or FOCUS with pressure sensor technology and additional control functions.



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This is how compact and cost efficient oil free compressed air can be:

The K series piston compressors have been developed utilising the innovative push rod principle providing absolutely oil-free compression – in an entirely new compact design. The K series has been specifically designed for the smaller compressed air user requiring 100% oil-free compressed air. And, available at an unbeatable cost effective price/performance ratio!

BOGE Model	Receiver volume Litres	Max. pressure		Effective free air delivery*		Nominal output drive motor		Dimensions silenced	Dimensions super-silenced	Weight silenced	Weight super-silenced
		bar	psig	l/min	cfm	kW	HP	W x D x H (mm)	W x D x H (mm)	kg	kg
K 3		10	150	244	9.0	2.2	3.0	1012 x 804 x 784	1312 x 804 x 784	182	189
K 4		10	150	328	12.0	3.0	4.0	1012 x 804 x 784	1312 x 804 x 784	182	189
		15	220	279	10.0	3.0	4.0	1012 x 804 x 784	1312 x 804 x 784	182	189
K 6		10	150	466	16.0	4.0	5.5	1012 x 804 x 784	1312 x 804 x 784	209	216
		15	220	420	15.0	4.0	5.5	1012 x 804 x 784	1312 x 804 x 784	209	216
K 8		10	150	648	23.0	5.5	7.5	1012 x 804 x 784	1312 x 804 x 784	225	232
		40	600	390	14.0	5.5	7.5	1012 x 804 x 784	1312 x 804 x 784	232	239
K 15		10	150	1296	46.0	11.0	15.0	1497 x 806 x 891	2097 x 806 x 891	379	391
		15	220	794	28.0	11.0	15.0	1497 x 806 x 891	2097 x 806 x 891	380	392
		40	600	780	27.5	11.0	15.0	1497 x 806 x 891	2097 x 806 x 891	380	392
K 3-	270	10	150	244	9.0	2.2	3.0	1770 x 804 x 1346	1770 x 804 x 1346	290	297
K 4-	270	10	150	328	12.0	3.0	4.0	1770 x 804 x 1346	1770 x 804 x 1346	290	297
K 4-	250	15	220	279	10.0	3.0	4.0	1630 x 804 x 1346	1630 x 804 x 1346	310	317
K 6-	270	10	150	466	16.0	4.0	5.5	1770 x 804 x 1346	1770 x 804 x 1346	320	327
K 6-	250	15	220	420	15.0	4.0	5.5	1630 x 804 x 1346	1630 x 804 x 1346	340	347
K 8-	270	10	150	648	23.0	5.5	7.5	1770 x 804 x 1346	1770 x 804 x 1346	330	337
K 8-	250	40	600	390	14.0	5.5	7.5	1630 x 804 x 1346	1630 x 804 x 1346	470	477
K 15-	270	10	150	1296	46.0	11.0	15.0	1770 x 806 x 1453	2097 x 806 x 1453	490	502
	250	15	220	794	28.0	11.0	15.0	1510 x 806 x 1453	2097 x 806 x 1453	510	522
	250	40	600	780	27.5	11.0	15.0	1560 x 806 x 1453	2097 x 806 x 1453	590	602

* Free air delivery according to VDMA 4362 at 80% max. pressure. Emitted sound pressure levels from 70 dB(A) according to DIN EN ISO 2151:2009
Further receiver sizes available on request.



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OIL-FREE

Piston compressors **ASO 260** to **ASO 480** Compressor units **BSO 260-** to **BSO 480-** Duplex compressor packages **BSO 260-...D** to **BSO 480-...D**



Effective free air delivery: 156 – 367 l/min, 6 – 13 cfm

Pressure range: 8 and 10 bar, 115 and 150 psig

Rated power: 1.5 – 3.2 kW, 2 – 4 HP



ASOL 260 to ASOL 480
ASO 260 to ASO 480



BSOL 260- to BSOL 480-
BSO 260- to BSO 480-



BSOL 260-...D to BSOL 480-...D
BSO 260-...D to BSO 480-...D



OIL-FREE SYSTEM

Absolutely clean and oil free compressed air is guaranteed. These compressors are also known for their operational safety and dependable supply of compressed air.



FLEXIBILITY

A modular design concept ensures that each compressor can be built to meet the specific compressed air requirements for optimum performance. For this purpose, individual components are available: e.g. receivers, dual receivers, membrane dryers or super silencing.



EFFICIENCY

Every compressor can be adapted to meet specific demand: variable pressures and outputs ensure reliable and economic operation under base and peak load conditions.



COMPRESSED AIR TREATMENT

Option: a membrane dryer can be integrated which ensures compressed air drying without condensate fallout. The dryer does not require any additional space and operates without motor and in an energy efficient manner.



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Oil-free compressed air for any type of requirement: Ultimate flexibility and maximum reliability are key characteristics of these oil-free compressors. Due to their modular design the compressors can be specifically configured for the individual requirements of the customer – from variable pressures and outputs to optional components such as dual receivers or integrated membrane dryers.

BOGE Model	Flow capacity (Displacement)			Flow capacity						Com- pressor speed min ⁻¹	Number of cylinders	Motor kW	Dimensions W x D x H mm	Weight kg
				Max. pressure 8 bar (FAD as per VDMA 4362) 6 bar			Max. pressure 10 bar (FAD as per VDMA 4362) 8 bar							
	l/min	m³/h	cfm	l/min	m³/h	cfm	l/min	m³/h	cfm					
8 and 10 bar / 115 and 150 psig standard														
ASO 260	260	15.6	9	176	10.6	6	156	9.4	5.5	1450	1	1.5	765x408x582	69
ASO 370	370	22.2	13	275	16.5	10	256	15.4	9.0	1450	1	2.2	765x408x582	69
ASO 480	480	28.8	17	367	22.0	13	339	20.3	12.0	1450	1	3.2	765x408x582	70
8 and 10 bar / 115 and 150 psig super-silenced														
ASOL 260	260	15.6	9	176	10.6	6	156	9.4	5.5	1450	1	1.5	915x480x730	121
ASOL 370	370	22.2	13	275	16.5	10	256	15.4	9.0	1450	1	2.2	915x480x730	121
ASOL 480	480	28.8	17	367	22.0	13	339	20.3	12.0	1450	1	3.2	915x480x730	123

BOGE Model	Re-ceiver volume	Flow capacity (Displacement)			Flow capacity						Com-pressor speed	Num-ber of cylin-ders	Motor	Dimensions W x D x H	Weight
					Max. pressure 8 bar (FAD as per VDMA 4362) 6 bar			Max. pressure 10 bar (FAD as per VDMA 4362) 8 bar							
	Litres	l/min	m³/h	cfm	l/min	m³/h	cfm	l/min	m³/h	cfm	min ⁻¹		kW	mm	kg
8 and 10 bar / 115 and 150 psig standard															
BSO 260-	150	260	15.6	9	176	10.6	6	156	9.4	5.5	1450	1	1.5	1425x535x1045	133
BSO 370-	150	370	22.2	13	275	16.5	10	256	15.4	9.0	1450	1	2.2	1695x535x1045	133
BSO 480-	270	480	28.8	17	367	22.0	13	339	20.3	12.0	1450	1	3.2	1470x600x1190	133
8 and 10 bar / 115 and 150 psig super-silenced															
BSOL 260-	150	260	15.6	9	176	10.6	6	156	9.4	5.5	1450	1	1.5	1425x535x1232	180
BSOL 370-	150	370	22.2	13	275	16.5	10	256	15.4	9.0	1450	1	2.2	1425x535x1232	180
BSOL 480-	270	480	28.8	17	367	22.0	13	339	20.3	12.0	1450	1	3.2	1470x600x1340	180

BOGE Model	Re-ceiver volume	Flow capacity (Displacement)			Flow capacity						Com-pressor speed	Number of cylin-ders	Motor	Dimensions W x D x H	Weight
					Max. pressure 8 bar (FAD as per VDMA 4362) 6 bar			Max. pressure 10 bar (FAD as per VDMA 4362) 8 bar							
	Litres	l/min	m³/h	cfm	l/min	m³/h	cfm	l/min	m³/h	cfm	min ⁻¹	kW	mm	kg	
8 and 10 bar / 115 and 150 psig standard															
BSO 260-...D	270	2x260	2x15.6	2x 9	2x176	2x10.6	2x 6	2x156	2x 9.4	2x 5.5	2x1450	2x1	2x1.5	1825x700x1225	240
BSO 370-...D	270	2x370	2x22.2	2x13	2x275	2x16.5	2x10	2x256	2x15.4	2x 9.0	2x1450	2x1	2x2.2	1825x700x1225	240
BSO 480-...D	270	2x480	2x28.8	2x17	2x367	2x22.0	2x13	2x339	2x20.3	2x12.0	2x1450	2x1	2x3.2	1825x700x1225	240
8 and 10 bar / 115 and 150 psig super-silenced															
BSOL 260-...D	270	2x260	2x15.6	2x 9	2x176	2x10.6	2x 6	2x156	2x 9.4	2x 5.5	2x1450	2x1	2x1.5	1965x605x1340	335
BSOL 370-...D	270	2x370	2x22.2	2x13	2x275	2x16.5	2x10	2x256	2x15.4	2x 9.0	2x1450	2x1	2x2.2	1965x605x1340	335
BSOL 480-...D	270	2x480	2x28.8	2x17	2x367	2x22.0	2x13	2x339	2x20.3	2x12.0	2x1450	2x1	2x3.2	1965x605x1340	335


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OIL-FREE

Compressor unit **BSO 480**

Compressor station **BSO 480 DM**

Effective free air delivery: 284 – 367 l/min, 10 – 13 cfm

Pressure range: 8 and 10 bar, 115 and 150 psig

Rated power: 3.2 kW, 4 HP

BSOL 480



BSO 480

Compressor unit **BSO**

Piston compressor
installed directly onto tandem horizontal receivers
(super-silenced version: BSOL)



BSOL 480 DM



BSO 480 DM

Compressor unit **BSO DM**

Piston compressor
installed directly onto tandem horizontal receivers
with membrane dryer
(super-silenced version: BSOL)


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BOGE Model	Re-ceiver volume Litres	Flow capacity (Displacement)			Flow capacity						Com-pressor speed min ⁻¹	Num-ber of cylin-ders	Motor kW	Dimensions W x D x H mm	Weight kg	
					Max. pressure 8 bar (FAD as per VDMA 4362) 6 bar			Max. pressure 10 bar (FAD as per VDMA 4362) 8 bar								
		l/min	m³/h	cfm	l/min	m³/h	cfm	l/min	m³/h	cfm						
8 and 10 bar / 115 and 150 psig standard																
BSO 480	2x18	480	28.8	17	367	22	13	339	20.3	12	1450	1	3.2	780x530x 930	110	
8 and 10 bar / 115 and 150 psig super-silenced																
BSOL 480	2x18	480	28.8	17	367	22	13	339	20.3	12	1450	1	3.2	940x600x1230	210	

BOGE Model	Re- ceiver volu- me Litres	Flow capacity (Displacement)			Flow capacity						Com- pres- sor speed min ⁻¹	Num- ber of cylin- ders	Motor kW	Dimensions W x D x H mm	Weight kg	
					Max. pressure 8 bar (FAD as per VDMA 4362) 6 bar			Max. pressure 10 bar (FAD as per VDMA 4362) 8 bar								
		l/min	m³/h	cfm	l/min	m³/h	cfm	l/min	m³/h	cfm						
8 and 10 bar / 115 and 150 psig standard																
BSO 480 DM	2x18	480	28.8	17	329	19.7	12	284	17	10	1450	1	3.2	780x535x 930	115	
8 and 10 bar / 115 and 150 psig super-silenced																
BSOL 480 DM	2x18	480	28.8	17	329	19.7	12	284	17	10	1450	1	3.2	940x600x1230	215	


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