BOGE AIR. THE AIR TO WORK.

BOGE
COMPRESSED AIR SYSTEMS

PISTON COMPRESSORS

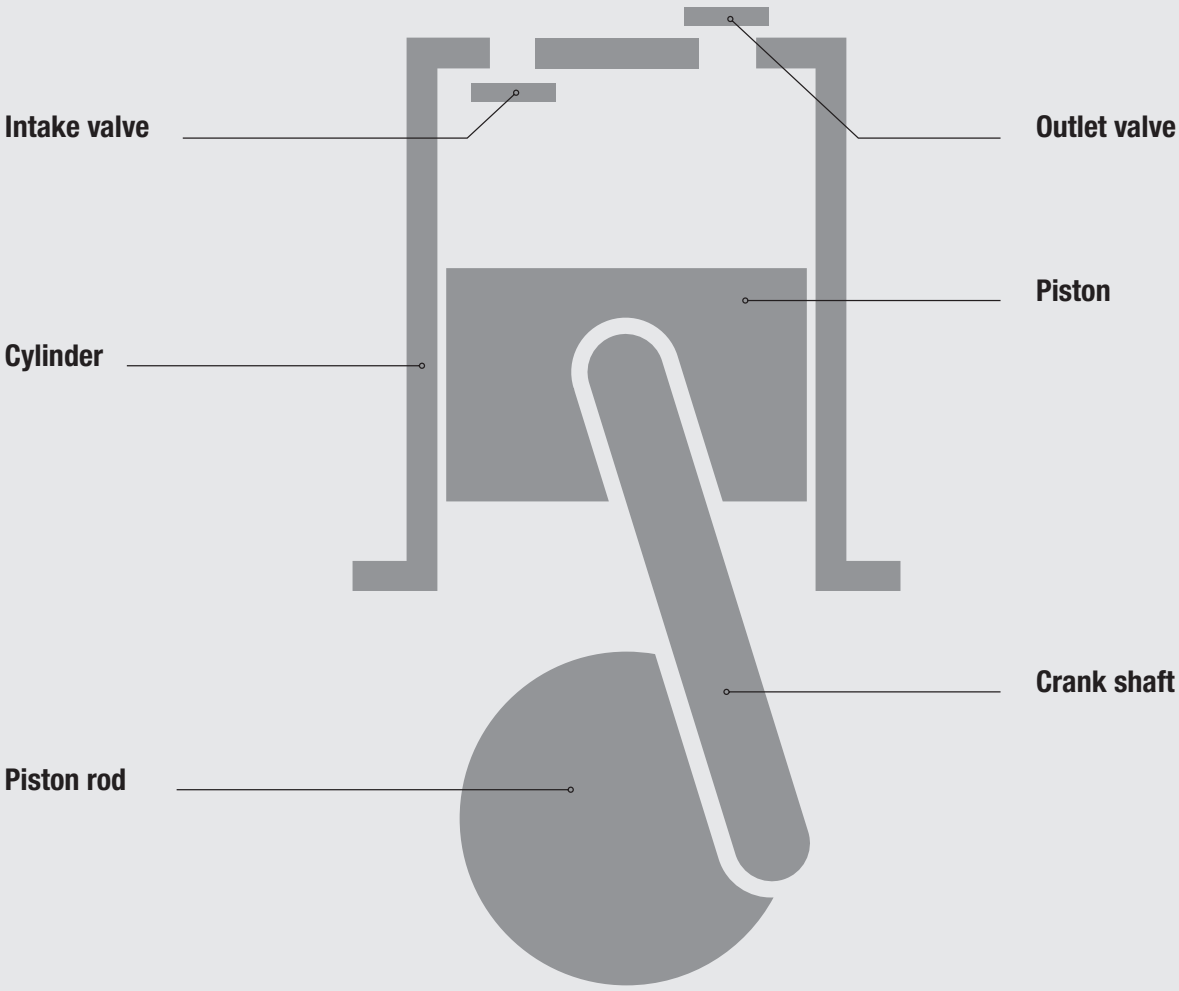
Over 100,000 compressed air users expect more when it comes to their compressed air supply.

BOGE air provides them with the air to work.

BOGE piston compressors are the embodiment of reliability: for more than 80 years their robust and functional design has provided many users with a dependable and efficient compressed air supply. A large number of options – oil-free or oil-lubricated, equipped with compressed air receiver or refrigerant dryer, mobile or stationary – enables you to configure your individual compressor solution according to your requirements. And of course, each piston compressor comes with proven BOGE quality: long service life and low maintenance cost.

CONTENTS

When did you last see a piston compressor work so **reliably**?



IDEALLY SUITED FOR FLUCTUATING COMPRESSED AIR DEMAND

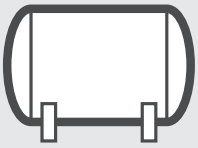
Where compressed air supply does not require constant peak load operation BOGE piston compressors are the obvious choice being robust and perfectly able to manage high pressures – from small to medium demands.

Industry and trade need safe solutions: **Therefore, BOGE piston compressors are engineered to provide dependable compressed air for a wide range of applications. A sophisticated design and uncompromising high quality workmanship ensures that BOGE piston compressors are without a doubt setting the standard when it comes to reliability and efficiency in operation.**

A MODULAR CONCEPT

Using the piston compressor unit as a base, additional modules can be added to configure an individual compressed air system specifically designed to meet individually defined operating requirements. The final compact unit is supplied ready for connection: for efficient and reliable operation in all types of applications.

Piston compressor



Compressed air receiver

Refrigerant dryer

Membrane dryer

ADVANTAGES OF BOGE PISTON COMPRESSORS

PROGRESSIVE

BOGE piston compressors have been engineered using the latest technological advancements. As an example, the innovative K series compressors utilise the push rod principle that enables completely oil free compressed air generation. Opting for a BOGE piston compressor means always keeping one step ahead of your competitors with safety and efficiency as standard.

RELIABLE

BOGE piston compressors are the reliable backbone of your compressed air supply – for both trade or industrial use. They have stood the test of time for more than 80 years throughout industry: robust, low maintenance and incomparably powerful.

DURABLE

Only top quality materials and the latest technology is used when designing and manufacturing BOGE piston compressors. Precisely manufactured to the smallest tolerances on modern CNC machines BOGE piston compressors are subject to extensive quality control before leaving production. This is why BOGE piston compressors are durable and robust.

FLEXIBLE

Thanks to the modular design principle, BOGE piston compressors can be easily upgraded. You decide for yourself – an oil-free or oil-lubricated system, a small, medium or variable output, with or without a receiver and/or refrigerant dryer. This allows you to have the optimum solution for your application.

Piston compressors **K 3** to **K 8**
Compressor units **K 3-** to **K 8-**

Effective free air delivery: 244 – 648 l/min, 9 – 23 cfm
Pressure range: 40 bar, 600 psig
Rated power: 2.2 – 5.5 kW, 3 – 7.5 HP

K 3- to K 8-

K 3 to K 8

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 reduced cylinder ring wear experienced in all conventional systems.

EFFICIENCY
As an oil-free compressor, the requirement for downstream air treatment is massively 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
Option: The K series is available with the BOGE BASIC, LC display, compressor control which includes symbol and segment display, pressure sensor technology and additional control functions.

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	Max. pressure		Effective free air delivery*		Nominal output drive motor		Dimensions silenced	Dimensions super-silenced	Weight silenced	Weight super-silenced
	Litres	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	2.2	3.0	1012 x 804 x 784	1312 x 804 x 784	182	189
K 4		10	150	328	12	3.0	4.0	1012 x 804 x 784	1312 x 804 x 784	182	189
		15	220	279	10	3.0	4.0	1012 x 804 x 784	1312 x 804 x 784	182	189
K 6		10	150	466	16	4.0	5.5	1012 x 804 x 784	1312 x 804 x 784	209	216
		15	220	420	15	4.0	5.5	1012 x 804 x 784	1312 x 804 x 784	209	216
K 8		10	150	648	23	5.5	7.5	1012 x 804 x 784	1312 x 804 x 784	225	232
		40	600	390	14	5.5	7.5	1012 x 804 x 784	1312 x 804 x 784	232	239
K 3-	270	10	150	244	9	2.2	3.0	1700 x 804 x 1346	1770 x 804 x 1346	290	297
K 4-	270	10	150	328	12	3.0	4.0	1700 x 804 x 1346	1770 x 804 x 1346	290	297
K 4-	250	15	220	279	10	3.0	4.0	1700 x 804 x 1346	1770 x 804 x 1346	290	297
K 6-	270	10	150	466	16	4.0	5.5	1700 x 804 x 1346	1770 x 804 x 1346	320	327
K 6-	250	15	220	420	15	4.0	5.5	1700 x 804 x 1346	1770 x 804 x 1346	320	327
K 8-	270	10	150	648	23	5.5	7.5	1700 x 804 x 1346	1770 x 804 x 1346	330	337
K 8-	250	40	600	390	14	5.5	7.5	1700 x 804 x 1346	1770 x 804 x 1346	330	337

* Free air delivery according to VDMA 4362 at 80% max. pressure. Emitted sound pressure level as per PN8NTC2.3 from 70 dB(A).
Further receiver sizes available on request.

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, double 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 PURIFICATION
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.

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 double receivers or integrated membrane dryers.

BOGE Model	Flow capacity (Displacement)			Flow capacity						Compressor speed	Number of cylinders	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							
	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														
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	Receiver volume	Flow capacity (Displacement)			Flow capacity						Compressor speed	Number of cylinders	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-	150	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-	150	480	28.8	17	367	22.0	13	339	20.3	12.0	1450	1	3.2	1470x600x1340	180

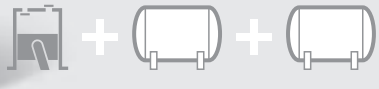
BOGE Model	Receiver volume	Flow capacity (Displacement)			Flow capacity						Compressor speed	Number of cylinders	Motor	Dimensions W x D x H	Weight
					Max. pressure 8 bar (FAD as per VDMA 4362) 6 bar			Max. pressure 10 bar (FAD as per VDMA 4362) 8 bar							
	Litres	l/min	m³/h	cfm	l/min	m³/h	cfm	l/min	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

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

Compressor unit **BSO**

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



Compressor unit **BSO DM**

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

BOGE Model	Receiver volume Litres	Flow capacity (Displacement) l/min	m³/h	cfm	Flow capacity Max. pressure 8 bar (FAD as per VDMA 4362) 6 bar l/min	m³/h	cfm	Max. pressure 10 bar (FAD as per VDMA 4362) 8 bar l/min	m³/h	cfm	Compressor speed min⁻¹	Number of cylinders	Motor kW	Dimensions W x D x H mm	Weight kg
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	Receiver volume Litres	Flow capacity (Displacement) l/min	m³/h	cfm	Flow capacity Max. pressure 8 bar (FAD as per VDMA 4362) 6 bar l/min	m³/h	cfm	Max. pressure 10 bar (FAD as per VDMA 4362) 8 bar l/min	m³/h	cfm	Compressor speed min⁻¹	Number of cylinders	Motor kW	Dimensions W x D x H mm	Weight kg
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