BOGE AIR. THE AIR TO WORK.

BOGE
COMPRESSED AIR SYSTEMS

COMPRESSED AIR TREATMENT

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.

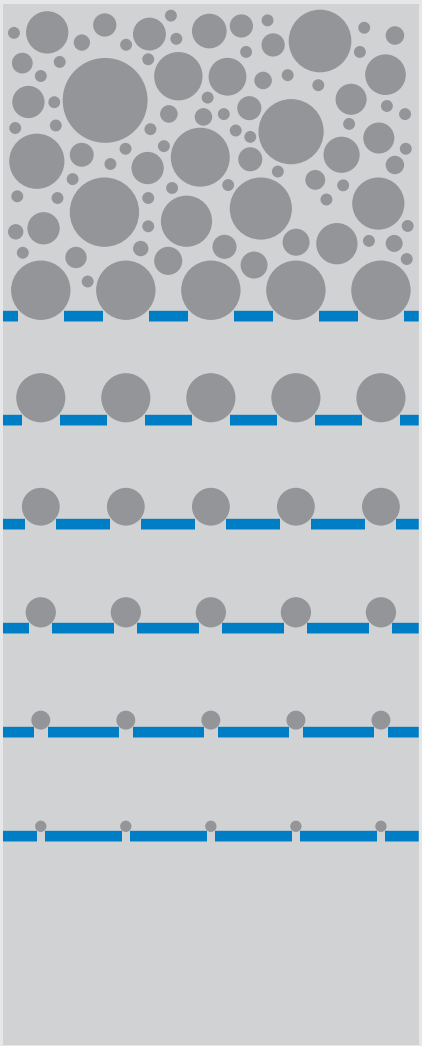
If it is BOGE AIR then you can be assured that it is quality air “Made in Germany”. This not only applies to the first class energy efficient compressed air systems manufactured by BOGE but also to the top quality compressed air treatment products.

BOGE compressed air treatment products have been designed to work in perfect harmony with the compressor range to provide the optimal, most effective and efficient compressed air quality with options available to meet the highest air quality requirements.

CONTENTS

Quality air pays off:
BOGE compressed air treatment

THE CLEAN UP! FROM AIR TO BOGE QUALITY AIR.



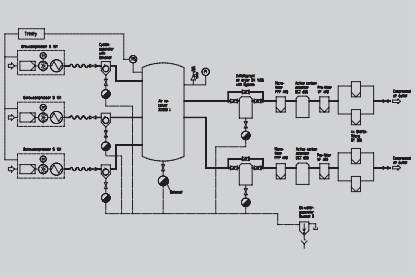
Compressed air is a versatile medium. It is widely used throughout industry and, for example, can be found in workshops and garages where untreated air is acceptable or the specialist industries where the demanding environments of the pharmaceutical and food sectors require absolutely dry, oil-free and often sterile compressed air.

Compressed air users rely on quality air from BOGE wherever the safe and efficient treatment of the compressed air is required. Our compressed air specialists will do their utmost to configure a customized air treatment system to meet any given set of criteria.

1 cubic foot of untreated ambient air can contain up to 4 million airborne particles as well as 50 – 80% water vapor and oil in the form of unburned hydrocarbons. During the compression process the concentration of these particles increases: at a pressure of 150 psi, for example, an eleven-fold value of 44 million dirt particles is reached. Optimally treated BOGE compressed air is dry, dust-free, oil-free and if required sterile.

Knowing the right answer: There are some industry sectors that cannot accept anything less than high quality compressed air. Such industries can rely on BOGE to provide specialist professional advice in the selection of the correct air treatment system to suit their specific needs and, to meet the required air quality in the most cost effective manner!

THE RIGHT BALANCE: ADVANTAGES OF BOGE COMPRESSED AIR TREATMENT.

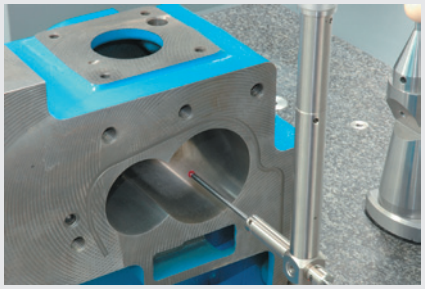


CAREFUL PLANNING AND ADVICE

When it comes to selecting the right type of air treatment, specialist advice is crucial because an incorrectly dimensioned system can easily generate unnecessary costs in the long run. You can count on the BOGE know-how: a thorough system analysis ensures that the installed air treatment exactly meets the site requirements.

OPTIMAL COST-BENEFIT RATIO

Compressed air treatment is a necessary cost in a compressed air system and so the chosen system should produce an optimal cost-benefit ratio. An oversized or undersized air treatment system is likely to result in unnecessary costs or jeopardize the operating integrity of the system. BOGE's range of air treatment products ensures that there is a cost effective customized solution for every application.



QUALITY "MADE IN GERMANY"

The use of high quality materials and a reduced number of wear parts ensures the BOGE air treatment systems are as efficient and reliable as our demanding customers rightfully expect. The BOGE manufacturing process also meets on-going quality standards – from inspection of purchased parts to final inspection and testing of each product. And, when it comes to product development, BOGE ranks among the first for German engineering: time after time we are recognized as trendsetters in the industry thanks to our innovations many of which have Worldwide patents.

From need to solution:

System Planning with BOGE

Application for compressed air	Quality Class*** Dust	Water	Oil	Aircom-pressor
• General industrial air • Blow-down air	—	—	—	BOGE- SCREW OR PISTON COMPRESSOR
• Sandblasting • Simple painting work	3	—	—	
• Conveying air • General factory air • High-quality sandblasting • Simple paint spraying	3	4	5	
• Pneumatic tools • Control air • Paint spraying • Air Conditioning • Fluidics • Measuring and control systems	1	4	1	
• Dental laboratory • Photographic laboratory	1	4	1	
• Control air • Instrument air • Pneumatics • High-quality paint spraying • Surface finishing • Breathing air	1	1–3	1	
• Medical system • Breathing air • High quality conveying air • Food industry	1	3–4	1	
• Breweries • Dairies • Pharmaceutical industry	1	1–3	1	

Cyclone-separator*	Pre-filter**	Refrigerant-dryer	Microfilter	Membrane dryer	Adsorption dryer	Pre-filter	Activated carbon filter Activated carbon adsorber	Sterile filter
●	●							
●	●	●						
●	●	●	●					
●	●	●	●					
●	●		●		●	●	●	
or								
●	●		●	●			●	
●	●	●	●				●	●
or								
●	●		●	●			●	
●	●		●		●	●	●	●
or								
●	●		●	●			●	●

* Only for compressors without compressed air receiver

** Coarser impurities separated out to extend service life of microfilter

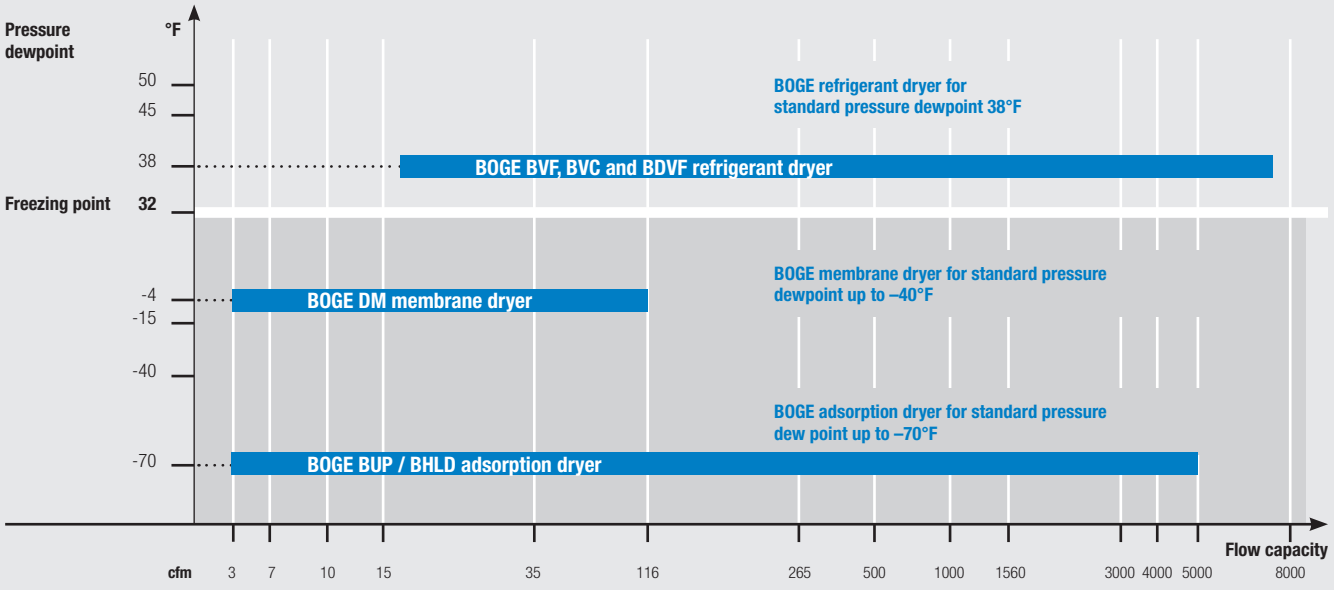
*** ISO 8573-1:1991

The right system for your requirements: Based on your air quality requirements BOGE will take care of selecting the appropriate air treatment products to provide an optimal solution from initial assessment to system design. You are invited to contact our experts for a consultation!

QUALITY CLASSES ACCORDING TO ISO 8573-1:2001

CLASS	Solid impurities (Max. particle size per m³) Max. particle size in µm				Humidity (Max. pressure dewpoint)		ppm Max. oil content	
	< = 0,1	0,1 < d < = 0,5	0,5 < d < = 1,0	1,0 < d < = 5,0	°C	°F	mg/m³	ppm/w/w
0	as specified by user							
1	A/R	100	1	0	< = -70°C	< = -94°F	< = 0,01 mg/m³	< = 0.008 ppm/w/w
2	A/R	100,000	1,000	10	< = -40°C	< = -40°F	< = 0,1 mg/m³	< = 0.08 ppm/w/w
3	A/R	A/R	10,000	500	< = -20°C	< = -4°F	< = 1 mg/m³	< = 0.8 ppm/w/w
4	A/R	A/R	A/R	1 000	< = +3°C	< = +37°F	< = 5 mg/m³	< = 4 ppm/w/w
5	A/R	A/R	A/R	20 000	< = +7°C	< = +45°F	—	—
6	—	—	—	—	< = +10°C	< = +50°F	—	—
	Classes 6 and 7 are defined according to the maximum particle size and maximum density. Class 6: d < = 5 µm and density < = 5 mg/m³ Class 7: d < = 40 µm and density < = 10 mg/m³				Classes 7 to 9 are defined according to their liquid water content. Class 7: C_W < = 5 mg/m³ Class 8: 0,5 g/m³ < C_W < = 5 mg/m³ Class 9: 5 g/m³ < C_W < = 10 mg/m³			

BOGE COMPRESSED AIR DRYERS



BVF, BVC, BDVF = Refrigerant dryer
DM = Membrane dryer
BUP, BHLD = Adsorption dryer, heatless

Refrigerant Dryers **BVF 10 – BVF 1200**
BVC 1250 – BVC 2000

Flow capacity: 10 – 2000 cfm

RELIABLE PRESSURE DEWPOINT

The all new BVF series dryers are built with a variable flow heat exchanger, which allows desired dewpoint performance regardless of flow variations. Typically, other dryers with mechanical moisture separators lose performance as compressed air velocities decrease substantially or increase.

ENERGY EFFICIENT

All Dryers are characterized by their extremely low pressure differential due to the 1-2-3 punch in eliminating moisture from the air-stream. This low pressure loss across the dryer results in savings for our customers. For every 2-psi drop that is prevented the dryer saves 1% in energy costs. The BVF series dryer therefore realizes savings where potentials are highest and at the same time develops further savings potential that traditional dryers cannot reach.

QUAD CELL HEAT EXCHANGER

The specially-designed single heat exchanger represents an innovative concept with an integral pre-cooler, reheater, evaporator, high efficiency, multi-stage separator with a built-in stainless steel demister. Also incorporates a quiet zone to prevent re-entrainment of collected condensation. Unlike the competition, the BVF's demister is easily removable and cleanable.

ENVIRONMENTALLY FRIENDLY COOLANT

The R134a refrigerant does not have any ozone depleting characteristics. It is safe for normal handling as it is non-toxic, non-flammable and non-corrosive. The BVC units use environmentally friendly R-407c refrigerant. That, in conjunction with the use of recyclable materials and the built-in energy efficiency provides a true environmentally friendly product for the drying of compressed air.

Installation instructions

To install the standard designed dryers, the room and/or ambient temperature may not exceed 120°F and not fall below 35°F. Sufficient clearance must be provided on all sides of the dryer to ensure good cooling air circulation. A suitably dimensioned drainage pipe must be installed to remove condensate.

Design conditions

The flow capacity rate is determined in relation to the air intake condition of the compressor (70°F and 14.7psi): Compressed air temperature 100°F (max. 140°F possible), operating pressure 100psi, ambient temperature 80°F (max. 120°F possible), pressure dew point 38°F (higher dew points possible).

Options:

- Standard bypass line
- Special voltages

The most efficient method of drying compressed air: when compressed air is cooled near to freezing point, water and oil vapors create condensate. This method of drying is expensive to the end user as it uses energy and creates pressure losses. Because of its energy saving components, BVF series is capable of substantially reducing such costs over the entire lifetime of the compressed air system by combining savings potentials with maximum reliability.

BOGE Model	Flow Capacity		Max. Operating Pressure	Pressure Differential At full load		Electr. Power Consumption		Installed Power		Compressed Air Connection	Cooling Air Requirement		Dimensions H x W x D	Weight
	m^3/min	cfm	psig	bar	psig	kW	hp	kW	hp		m^3/h	cfm	In.	lbs.
BVF-10	0.28	10	200	.34	5	0.15	0.20	0.37	0.49	1/2"	399	235	15 x 16 x 16	71
BVF-15	0.42	15	200	.34	5	0.15	0.20	0.37	0.49	1/2"	399	235	15 x 16 x 16	74
BVF-25	0.71	25	200	.34	5	0.15	0.20	0.37	0.49	1/2"	399	235	15 x 16 x 16	76
BVF-40	1.13	40	200	.34	5	0.24	0.25	0.60	0.80	3/4"	425	250	15 x 16 x 16	78
BVF-50	1.42	50	200	.34	5	0.24	0.25	0.60	0.80	3/4"	425	250	15 x 16 x 16	80
BVF-60	1.70	60	200	.34	5	0.24	0.33	0.86	1.15	3/4"	425	250	15 x 16 x 16	102
BVF-75	2.12	75	200	.34	5	0.24	0.33	0.86	1.15	1"	425	250	22 x 24 x 18	124
BVF-100	2.83	100	200	.34	5	0.52	0.5	1.33	1.80	1"	510	300	22 x 24 x 18	138
BVF-125	3.54	125	200	.34	5	0.71	0.75	1.72	2.30	1"	765	450	22 x 24 x 18	156
BVF-150	4.25	150	200	.34	5	0.71	0.75	1.72	2.30	1"	765	450	22 x 24 x 18	162
BVF-200	5.66	200	200	.34	5	0.99	1	1.98	2.65	1 1/2"	1206	710	30 x 36 x 25	240
BVF-250	7.08	250	200	.34	5	1.11	1.25	3.10	4.15	1 1/2"	1818	1070	30 x 36 x 25	332
BVF-300	8.50	300	200	.34	5	1.40	1.5	3.58	4.80	2"	1818	1070	30 x 36 x 25	345
BVF-400	11.33	400	200	.34	5	1.56	2	4.85	6.50	2"	3687	2170	45 x 34 x 45	567
BVF-500	14.16	500	200	.34	5	2.30	3	6.53	8.75	2"	3687	2170	45 x 34 x 45	582
BVF-600	17.00	600	200	.34	5	2.92	3.5	6.76	9.05	3"	3687	2170	45 x 34 x 45	598
BVF-800	22.65	800	200	.34	5	2.92	5	6.81	9.13	3"	7204	4240	48 x 38 x 64	790
BVF-1000	28.32	1000	200	.34	5	3.39	6	6.84	9.15	3"	7204	4240	48 x 38 x 64	800
BVF-1200	33.98	1200	200	.34	5	4.03	7.5	10.98	14.70	3"	8325	4900	48 x 38 x 64	852
BVC-1250*	35.40	1250	200	.34	5	5.97	8.5	5.60	7.50	3"	8325	3600	60 x 26 x 81	1450
BVC-1600*	45.31	1600	200	.34	5	7.46	10	7.7	9.25	4" FLG	9175	4400	60 x 26 x 81	1700
BVC-2000*	56.63	2000	200	.34	5	9.69	13	10.5	12.75	4" FLG	9514	5600	60 x 26 x 81	1900

* BVC is the BOGE Variable Control. Consult Factory for more information on Water Cooled Power consumption and Dimensions.

Inlet Air Pressure	psig	50	75	100	125	150	175	200	225	250
Factor	f_1	0.85	0.95	1	1.07	1.13	1.18	1.20	1.22	1.24
Inlet Air Temperature	°F	80	90	100	110	120	140			
Factor	f_2	1.5	1.21	1.00	0.82	0.72	0.61			
Ambient Air Temperature	°F	70	80	90	100	110	115	120		
Factor	f_3	1.10	1.07	1.05	1.00	0.94	0.85	0.65		
Pressure Dew Point	°F	38	41	45	50					
Factor	f_4	1.00	1.12	1.17	1.22					

Example (giving flow 100 scfm)

Volume Flow		100 scfm		Factor
Inlet Pressure	f_1	125 psig	=	1.00
Inlet Temperature	f_2	100°F	=	1.21
Ambient Temperature	f_3	90°F	=	1.07
Pressure Dew Point	f_4	38°F	=	1.00

$$= \frac{\text{SCFM}}{(f_1) \times (f_2) \times (f_3) \times (f_4)} = \frac{100}{(1.00) \times (1.21) \times (1.07) \times (1.00)} = 112.00 \text{ - SCFM} = \textbf{BVF-125}$$

Refrigerant Dryers
BDVF 800 – BDVF 4000 Series

Flow capacity: 800 – 4000 cfm

SOLID PERFORMANCE

With the Introduction of BOGE's new Digital Scroll refrigerated air dryers, the bar has been raised and a new performance standard has been set for Cycling dryers. The user no longer has to accept dryers with a large, heavy footprint, circulating pumps, unpredictability and uncontrollable Dew Points as found in typical cycling dryers utilizing 30 year old technology. The BOGE Digital Scroll is 40% lighter and 32% more efficient than typical thermal mass designs.

FLEXIBILITY AND CONTROL

BOGE's Digital Scroll is a truly energy efficient dryer design that provides the precise dew point control that industrial processes demand. The Digital Scroll is available in SingleCel modules ranging from 800 scfm to 2000 scfm and Multicel models ranging from 2500 scfm to 4000 scfm offering total installation flexibility to meet your specific needs.

DIGITAL SCROLL TECHNOLOGY

The Digital Scroll operates in two stages - the "loaded state", when the solenoid valve is normally closed and "unloaded state", when the solenoid valve is open. During the loaded state, the compressor operates like a standard scroll and delivers full capacity and mass flow. However, during the unloaded state, there is no capacity and no mass flow through the compressor. It provides variable capacity output from 0% to 100% seamlessly.

END USER BENEFITS

The Digital Scroll has more consistent performance during load variations and fan cycling to prevent freeze-ups. Because of this the dryer can maintain a steady pressure dew point at all loads, thus ensuring dry clean air at the point of use. That, coupled with a small footprint and lightweight design makes the Digital Scroll appealing in all applications.

Installation instructions

To install the standard designed dryers, the room and/or ambient temperature may not exceed 120°F and not fall below 35°F. Sufficient clearance must be provided on all sides of the dryer to ensure good cooling air circulation. A suitably dimensioned drainage pipe must be installed to remove condensate.

Design conditions

The flow capacity rate is determined in relation to the air intake condition of the compressor (70°F and 14.7psi): Compressed air temperature 95°F (max. 140°F possible), operating pressure 100psi, ambient temperature 80°F (max. 120°F possible), pressure dew point 38°F.

Options:

- Standard bypass line
- Water cooled
- Multicel plug and play installation

Energy Efficient Cycling Refigerated Air Dryer: BOGE's new Digital Scroll is a truly energy efficient dryer design that provides precise dew point control that industrial processes demand. The Digital Scroll is used in both heavy industrial to high technology environments. There is true, sustainable energy savings with capacity control between 0% - 100% and models ranging from 800 to 4000 scfm.

BOGE Model	Flow Capacity		Max. Operating Pressure	Pressure Differential At full load		Electr. Power Consumption		Installed Power		Compressed Air Connection	Cooling Air Requirement		Dimensions H x W x D	Weight
	m^3/min	cfm	psig	bar	psig	kW	hp	kW	hp		m^3/h	cfm	in.	lbs.
BDVF-800	22.65	800	150	0.34	5	2.98	4	4.10	5.50	3" FLG	4077	2400	60 x 26 x 81	950
BDVF-1000	28.32	1000	150	0.34	5	3.73	5	4.70	6.30	3" FLG	5097	3000	60 x 26 x 81	1100
BDVF-1250	35.40	1250	150	0.34	5	4.47	6	5.10	6.84	3" FLG	6116	3600	60 x 26 x 81	1450
BDVF-1600	45.31	1600	150	0.34	5	6.34	8.5	6.90	9.25	4" FLG	7476	4400	60 x 26 x 81	1700
BDVF-2000	56.63	2000	150	0.34	5	7.83	10.5	9.50	12.7	4" FLG	9514	5600	60 x 26 x 81	1900
BDVF-2500	71.00	2500	150	0.34	5	9.69	13	10.2	13.7	4" FLG	12232	7200	79 x 70 x 81	3400
BDVF-3200	90.61	3200	150	0.34	5	12.68	17	13.8	18.5	6" FLG	14952	8800	79 x 70 x 81	3900
BDVF-4000	113.3	4000	150	0.34	5	15.66	21	18.9	25.3	6" FLG	19028	11200	79 x 70 x 81	4300

*MultiCel available in models BDVF2500 – 4000.
Water-cooled available and changes Dryer Depth to 55".

Compressed air drying can be extremely cost effective:

Due to its efficient and cost effective control the BDVF series provide absolutely energy efficient compressed air drying. The truly energy efficient dryer design provides the precise dew point control that industrial processes demand. Large reductions in equipment weight and advances in technology provide for significant energy savings over typical thermal mass designs.

Capacity Correction Factors

Inlet Air Pressure	psig	50	75	100	125	150	175	200	225	250
Factor	f_1	0.85	0.95	1	1.07	1.13	1.18	1.20	1.22	1.24
Inlet Air Temperature	°F	80	90	100	110	120	140			
Factor	f_2	1.5	1.21	1.00	0.82	0.72	0.61			
Ambient Air Temperature	°F	70	80	90	100	110	115	120		
Factor	f_3	1.10	1.07	1.05	1.00	0.94	0.85	0.65		
Pressure Dew Point	°F	38	41	45	50					
Factor	f_4	1.00	1.12	1.17	1.22					

Example (giving flow 2000 - scfm)

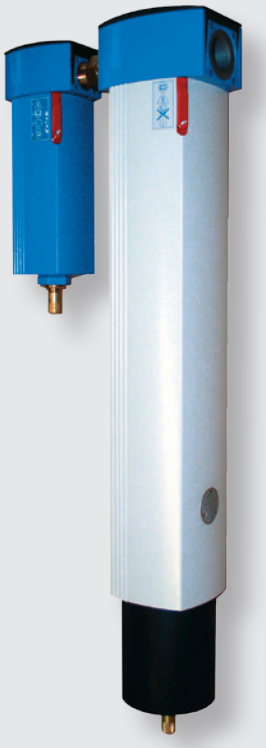
Volume Flow		2000 scfm		Factor
Inlet Pressure	f_1	100 psig	=	1.00
Inlet Temperature	f_2	90°F	=	1.21
Ambient Temperature	f_3	80°F	=	1.07
Pressure Dew Point	f_4	38°F	=	1.00

$$= \frac{\text{SCFM}}{(f_1) \times (f_2) \times (f_3) \times (f_4)} = \frac{2000}{(1.00) \times (1.21) \times (1.07) \times (1.00)} = 1{,}545 \text{ - SCFM} = \textbf{BDVF-1600}$$

Membrane dryers

DM 10 Plus to **DM 116 Plus**

Flow capacity: 11 – 116 cfm
Max. operating pressure: 100 – 220 psig



TWIST 60 TECHNOLOGY

Twist 60 represents the unique arrangement of membrane fibers when winding. Providing the lowest purge consumption, leading to lower energy costs.

INTEGRATED COMPRESSED AIR FILTER

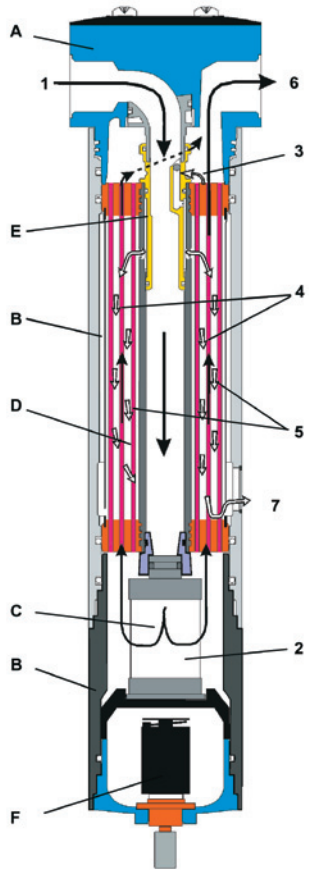
A standard intergrated nano compressed air filter is included to provide technically oil free compressed air.

ENERGY EFFICIENT

As the membrane dryer does not have a motor or any moving parts it does not need any additional energy eliminating unnecessary energy costs.

ENVIRONMENTALLY FRIENDLY

The membrane dryer does not contain any CFCs and is therefore neither ozone depleting nor does it have any impact on the environment.



Membrane Dryer Layout

A: Head (inlet / outlet)
B: Filter housing
C: Nano-filter
D: Membrane element including main body
E: Nozzle with adapter
F: Float drain

(1) Saturated compressed air enters via the dryer cap (A) and flows down the central tube (D). **(2)** The Nano-filter (C) removes any remaining aerosols and particles, separated condensate is drained (F). The saturated compressed air flows through the inside of the membranes. **(3)** A part of the compressed air is diverted and expands to atmosphere at the nozzle (E). **(4)** This very dry purge air is lead across the outside of the membranes (D). **(5)** Thus the saturated compressed air flows on the inside and the dry purge air on the outside. Due to the differences in humidity, moisture diffuses from the compressed air to the purge air. **(6)** The dry compressed air exits. **(7)** The purge air escapes to the atmosphere.

Pressure dew point reduction in a compact package: the BOGE membrane dryer is used where the pressure dew point needs to be reduced between 68 and 130°F. It requires little space and can be installed at minimal cost ideally for point of use dry air.

BOGE Model	Operating Pressure		Dryer Inlet Conditions		Outlet PDP	Purge	Dryer Outlet	Dryer Outlet		Compressed Air Connection	Dimensions H x W x D	Weight
	bar	psig	pdp inlet	scfm		l/min	scfm	l/min	scfm		in.	lbs.
DM 02	7	100	100F	1.83	65F	5.10	0.18	46.73	1.65	1/4"	10.43 x 1.81 x 1.06	1.74
			100F	0.98	35F	4.81	0.17	22.94	0.81	1/4"	10.43 x 1.81 x 1.06	1.74
			100F	0.58	-20F	4.81	0.17	11.61	0.41	1/4"	10.43 x 1.81 x 1.06	1.74
DM 04	7	100	100F	3.66	65F	9.91	0.35	93.74	3.31	1/4"	12.40 x 1.81 x 1.06	1.92
			100F	2.07	35F	9.91	0.35	48.71	1.72	1/4"	12.40 x 1.81 x 1.06	1.92
			100F	1.33	-20F	9.91	0.35	27.75	0.98	1/4"	12.40 x 1.81 x 1.06	1.92
DM 06	7	100	100F	5.49	65F	14.73	0.52	140.75	4.97	1/4"	13.98 x 1.81 x 1.06	2.07
			100F	3.10	35F	14.73	0.52	73.07	2.58	1/4"	13.98 x 1.81 x 1.06	2.07
			100F	2.00	-20F	14.73	0.52	41.91	1.48	1/4"	13.98 x 1.81 x 1.06	2.07
DM 07	7	100	100F	7.32	65F	15.29	0.54	192.01	6.78	1/4"	16.34 x 1.81 x 1.06	2.27
			100F	4.13	35F	15.29	0.54	97.14	3.43	1/4"	16.34 x 1.81 x 1.06	2.27
			100F	2.63	-20F	15.29	0.54	59.19	2.09	1/4"	16.34 x 1.81 x 1.06	2.27
DM 10	7	100	100F	10.45	65F	30.02	1.06	265.92	9.39	3/8"	17.00 x 2.95 x 1.10	4.13
			100F	5.89	35F	30.02	1.06	136.79	4.83	3/8"	17.00 x 2.95 x 1.10	4.13
			100F	3.85	-20F	30.02	1.06	79.01	2.79	3/8"	17.00 x 2.95 x 1.10	4.13
DM 11	7	100	100F	11.00	65F	29.74	1.05	281.78	9.95	3/8"	19.76 x 2.95 x 1.10	4.63
			100F	6.20	35F	31.15	1.10	144.43	5.10	3/8"	19.76 X 2.95 X 1.10	4.63
			100F	3.90	-20F	31.15	1.10	79.30	2.80	3/8"	19.76 X 2.95 X 1.10	4.63
DM 15	7	100	100F	14.60	65F	39.65	1.40	373.82	13.20	3/8"	22.19 x 2.95 x 1.10	5.07
			100F	8.25	35F	39.65	1.40	193.99	6.85	3/8"	22.19 x 2.95 x 1.10	5.07
			100F	5.20	-20F	39.65	1.40	107.62	3.80	3/8"	22.19 x 2.95 x 1.10	5.07
DM 22	7	100	100F	22.00	65F	59.47	2.10	563.57	19.90	3/4"	22.57 x 3.94 x 1.34	7.72
			100F	12.40	35F	59.47	2.10	291.70	10.30	3/4"	22.57 x 3.94 x 1.34	7.72
			100F	7.90	-20F	59.47	2.10	164.26	5.80	3/4"	22.57 x 3.94 x 1.34	7.72
DM 30	7	100	100F	29.30	65F	79.30	2.80	750.48	26.50	3/4"	24.59 x 3.94 x 1.34	8.38
			100F	16.50	35F	79.30	2.80	387.98	13.70	3/4"	24.59 x 3.94 x 1.34	8.38
			100F	10.50	-20F	79.30	2.80	218.06	7.70	3/4"	24.59 x 3.94 x 1.34	8.38
DM 39	7	100	100F	38.30	65F	118.94	4.20	965.71	34.10	3/4"	27.35 x 3.94 x 1.34	9.04
			100F	24.20	35F	118.94	4.20	566.40	20.00	3/4"	27.35 x 3.94 x 1.34	9.04
			100F	16.00	-20F	118.94	4.20	334.18	11.80	3/4"	27.35 x 3.94 x 1.34	9.04
DM 49	7	100	100F	49.30	65F	150.10	5.30	1246.08	44.00	3/4"	29.98 x 3.94 x 1.34	9.75
			100F	28.90	35F	150.10	5.30	668.35	23.60	3/4"	29.98 x 3.94 x 1.34	9.75
			100F	19.00	-20F	150.10	5.30	387.98	13.70	3/4"	29.98 x 3.94 x 1.34	9.75
DM 59	7	100	100F	58.10	65F	133.10	4.70	1512.29	53.40	1 1/2"	31.30 x 5.74 x 1.89	20.00
			100F	35.50	35F	181.25	6.40	824.11	29.10	1 1/2"	31.30 x 5.74 x 1.89	20.00
			100F	23.50	-20F	181.25	6.40	484.27	17.10	1 1/2"	31.30 x 5.74 x 1.89	20.00
DM 89	7	100	100F	89.50	65F	266.21	9.40	2268.43	80.10	1 1/2"	36.80 x 5.74 x 1.89	22.44
			100F	53.30	35F	266.21	9.40	1243.25	43.90	1 1/2"	36.80 x 5.74 x 1.89	22.44
			100F	35.30	-20F	266.21	9.40	733.49	25.90	1 1/2"	36.80 x 5.74 x 1.89	22.44
DM 116	7	100	100F	116.00	65F	368.16	13.00	2916.96	103.00	1 1/2"	42.75 x 5.74 x 1.89	24.86
			100F	71.10	35F	359.66	12.70	1653.89	58.40	1 1/2"	42.75 x 5.74 x 1.89	24.86
			100F	46.80	-20F	356.83	12.60	968.54	34.20	1 1/2"	42.75 x 5.74 x 1.89	24.86

Pressure Correction Factors									
Pressure	60	75	90	100	115	130	145	160	175
Factor	0.39	0.57	0.78	1.00	1.19	1.40	1.62	1.87	2.11

Adsorption dryers **BHLD 80** to **BHLD 5000**
Adsorption dryer units

Flow capacity: 80 – 5000 cfm

Adsorption dryer
BHLD

heatless adsorption dryers with pre-and after-filters

MICROPROCESSOR CONTROL

The microprocessor control enables energy efficient control of the adsorption dryer. Optional dew point control reduces the regeneration air volume depending on temperature, pressure and output quantity.

FUNCTION DISPLAY

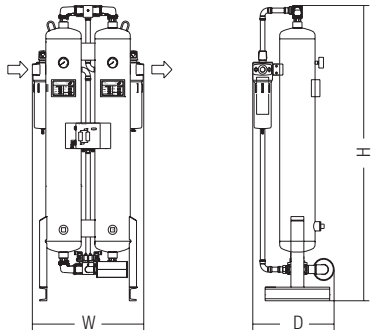
A functional display at the front of the control cabinet permanently indicates operational status. The ten-minute cycle can save up to six percent of energy. The compressor synchronizing control can also offer further energy savings potential.

FILTRATION

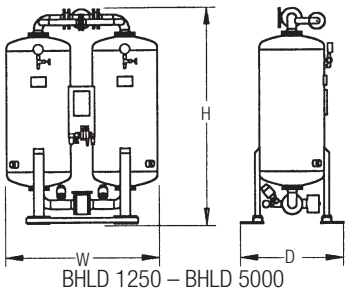
The entire range is equipped with both pre and after filter as standard. Even before drying, all solids and aerosols up to 0.01 ppm are removed from the compressed air supply – assuring best possible quality.

LOW RESIDUAL OIL CONTENT

The BHLD series can be equipped with an activated carbon adsorber to ensure a residual oil content of only 0.003 ppm – for the highest quality compressed air.



BHLD 80 – BHLD 1000



BHLD 1250 – BHLD 5000

The all-in one package for dry compressed air: The ideal solution for compressed air pressure dew points below 38°F. The heatless BOGE adsorption dryers can reach dew points of -70°F (standard -40°F). The twin tower system allows regeneration simultaneously with the adsorption eliminating the need for any external power supply.

BOGE Model	Capacity		Dimensions H/W/D	Compressed Air Connection	Voltage	Weight
	m³/h	cfm	in.		standard	lbs.
BHLD - 80	136	80	77 x 30 x 24	3/4" FLG	110V/60HZ	384
BHLD - 100	170	100	77 x 30 x 24	1" FLG	110V/60HZ	550
BHLD - 150	255	150	85 x 34 x 24	1" FLG	110V/60HZ	600
BHLD - 200	340	200	86 x 34 x 24	1½" FLG	110V/60HZ	850
BHLD - 250	425	250	87 x 46 x 30	1½" FLG	110V/60HZ	975
BHLD - 300	510	300	87 x 46 x 30	1½" FLG	110V/60HZ	1050
BHLD - 350	595	350	89 x 46 x 30	2" FLG	110V/60HZ	1100
BHLD - 450	765	450	91 x 50 x 30	2" FLG	110V/60HZ	1200
BHLD - 500	850	500	91 x 50 x 30	2" FLG	110V/60HZ	1250
BHLD - 600	1019	600	91 x 50 x 30	2" FLG	110V/60HZ	2000
BHLD - 750	1274	750	93 x 66 x 40	3" FLG	110V/60HZ	2700
BHLD - 1000	1699	1000	98 x 70 x 40	3" FLG	110V/60HZ	3900
BHLD - 1250	2124	1250	98 x 70 x 40	3" FLG	110V/60HZ	4090
BHLD - 1500	2549	1500	109 x 93 x 50	4" FLG	110V/60HZ	5500
BHLD - 2000	3398	2000	109 x 93 x 50	4" FLG	110V/60HZ	6000
BHLD - 2500	4248	2500	115 x 112 x 60	4" FLG	110V/60HZ	6800
BHLD - 3000	5097	3000	120 x 120 x 70	6" FLG	110V/60HZ	9000
BHLD - 3500	5947	3500	125 x 120 x 70	6" FLG	110V/60HZ	9600
BHLD - 4000	6796	4000	128 x 120 x 75	6" FLG	110V/60HZ	10500
BHLD - 4500	7646	4500	130 x 130 x 80	6" FLG	110V/60HZ	11000
BHLD - 5000	8495	5000	135 x 130 x 80	6" FLG	110V/60HZ	12300

Capacity correction factors for system air pressure (C_1)

System Pressure (psig)	60	70	80	90	100	110	120	130	140	150
Correction Factor	0.65	0.73	0.82	0.91	1	1.09	1.18	1.27	1.35	1.44

Capacity correction factors for inlet air temperature (C_2)

Inlet Temperature (°F)	70	80	90	100	105	110	115	120
Correction Factor	1.2	1.15	1.1	1	0.9	0.8	0.7	0.6

*For inlet temperatures above 100°F, molecular sieve desiccant is required.

Example Compressed air to be dried to -40°

a) To calculate the specific dryer capacity

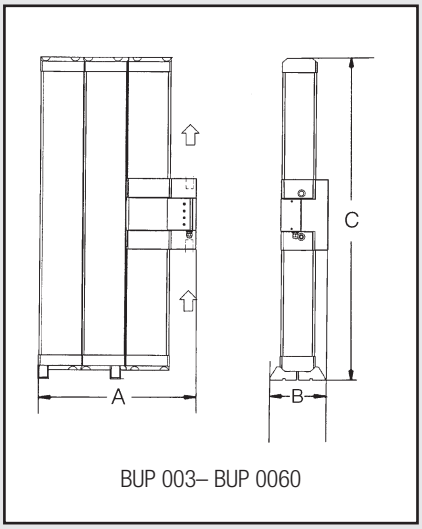
Given Flow	350 scfm
Min. operating pressure	120 psig
Max. inlet temperature	100 °F
Pressure dew point	-40 °F

$$= \frac{\text{eff. capacity}}{\text{factor from table}} = \frac{350 \text{ scfm}}{1.18 \times 1.0} = 296.6 \text{ - SCFM} = \textbf{Model BLHD - 300}$$

Heatless adsorption dryer

BUP 0003 to **BUP 0060**

Flow capacity: 3 – 60 cfm
Max. operating pressure: 250 psi



BUP 003– BUP 0060

INLET AND OUTLET VALVES
The generously dimensioned inlet and outlet valves ensure a lower pressure differential across the dryer. Energy savings are therefore possible due to tighter operating pressure band.

REGENERATION
The twin tower system allows regeneration simultaneously with the adsorption eliminating the need for any external power supply. The wet tower is purged via a stream of dry air that is finally vented to atmosphere.

FILTRATION
The entire range is equipped with both pre and after filter as standard. Even before drying, all solids and aerosols up to 0.01 µm are removed from the compressed air supply – assuring best possible quality.

DEW POINT CONTROL
The entire series is available with dew point control that minimizes the regeneration air volume depending on temperature, pressure and output quantity thus reducing operating costs.

The easy way to dry compressed air: The standard BOGE adsorption dryers achieve a pressure dew point of -40°F. They can be configured to reach -70°F. Such dewpoints eliminate the risk of downstream condensate especially in the case of an external air line. Adsorption dryers do not contain any CFCs and are therefore neither ozone depleting nor do they have any impact on the environment.

BOGE Model	Capacity*		Regeneration Air (14.5 psi. +68°F)		Air Outlet (minimal) (14.5 psi. +68°F)		Pressure Loss New Condition	Dimensions H/W/D	Compressed Air Connection	Weight
	m^3/h	cfm	m^3/h	cfm	m^3/h	cfm	psi	in.		lbs
BUP 0003	5	3	0.85	0.5	4.1	2.4	.94	12 x 5 x 14	½" NPT	15
BUP 0005	10	5	1.70	1.0	8.1	4.8	1.37	12 x 5 x 23	½" NPT	24
BUP 0010	15	10	2.55	1.5	12.2	7.2	1.67	12 x 5 x 34	½" NPT	33
BUP 0015	25	15	4.25	2.5	20.3	11.9	3.63	12 x 5 x 55	½" NPT	53
BUP 0020	35	20	5.95	3.5	28.4	16.7	1.09	21 x 7 x 26	1" NPT	64
BUP 0030	50	30	8.50	5.0	40.6	23.9	1.45	21 x 7 x 36	1" NPT	84
BUP 0040	65	40	11.10	6.5	52.8	31.1	1.81	21 x 7 x 46	1" NPT	106
BUP 0050	80	50	13.60	8.0	65.0	38.2	2.47	21 x 7 x 56	1" NPT	125
BUP 0060	100	60	17.00	10.0	61.3	36.0	3.63	21 x 7 x 66	1" NPT	147

Design: BUP 0003 - BUP 0060, Correction factor f

Temperature	Operating pressure psi												
	58	73	87	102	116	131	145	160	174	189	203	218	232
77°F	0.69	0.82	0.96	1.10	1.24	1.38	1.50	1.50	1.50	1.50	1.50	1.50	1.50
86°F	0.69	0.82	0.96	1.10	1.24	1.38	1.50	1.50	1.50	1.50	1.50	1.50	1.50
95°F	0.63	0.75	0.88	**1.00**	1.13	1.26	1.38	1.50	1.50	1.50	1.50	1.50	1.50
104°F	0.48	0.58	0.68	0.77	0.87	0.96	1.06	1.16	1.25	1.35	1.45	1.50	1.50
113°F	0.38	0.45	0.53	0.60	0.68	0.75	0.83	0.90	0.98	1.05	1.13	1.20	1.28
122°F	0.30	0.36	0.42	0.48	0.54	0.60	0.66	0.72	0.78	0.84	0.90	0.96	1.02

Example Compressed air to be dried.

Volume Flow	350 scfm
Min. operating pressure	150 psig
Max. inlet temperature	100 °F
Pressure dew point	1.38

a) To calculate the specific dryer capacity

$$= \frac{V_{corr}}{} = \frac{V_{norm}}{f} = \frac{34\ cfm}{1.38} = \mathbf{24.6\ cfm}$$

Selected type BUP 0003.

Cyclone separator **Z 20** to **Z 375**

Flow Optimized Design

LAYOUT

The cyclone separator is ideally suited as a bulk water separator when located before a refrigerant dryer or directly after the compressor if no air receiver is used; or if it is placed at a distance; or if the compressed air supply pipe is mounted vertically.

EFFICIENCY

Apart from the drain, the cyclone separator operates wear free because there are no moving parts which means increased output of the compressed air treatment system.

MINIMAL PRESSURE LOSS

There is a minimal pressure loss across a cyclone separator which means that operating pressure is always optimized – saving energy.

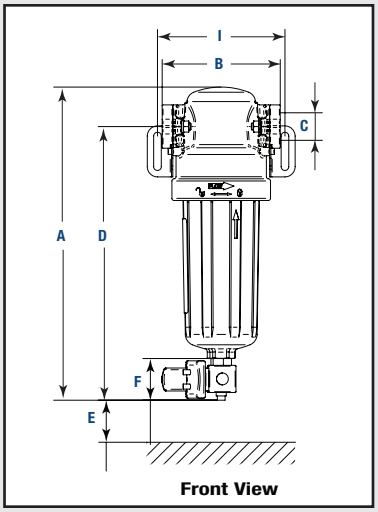
Drains

A time controlled condensate drain is fitted as standard. An electronically level controlled, zero-loss, BOGEmat condensate drain can be fitted as an option assuring increased compressed air treatment safety and lower enegy costs.

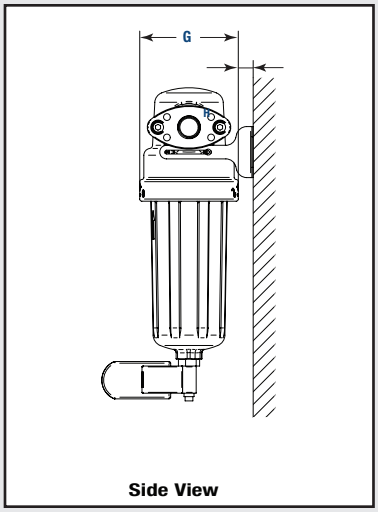
Operating principle

DF-C Cyclone Separators deliver high separation efficiency at low pressure drop through an optimal flow-path design. An innovative insert in the cyclone head creates centrifugal action that forces liquid and particulate to the housing wall. Friction with the housing causes the liquid and particulate to lose part of their kinetic energy and drop out of the higher moving airstream. Collected condensate is removed by a time controlled condensate drain, while the purified compressed air or gas exits to the industrial application down-stream.

Maintenance free filtration: The BOGE heavy-duty cyclone separators take liquids, aerosols and solids from the compressed air. Based on the law of inertia they operate with practically no maintenance – ideally suited for compressed air systems without an air receiver when directly installed downstream of the compressor.



Front View



Side View

size	Flow Rate** scfm	Volume gal	Weight lbs.	Dimensions (inches) A	B	C in fnpt	D	E	F	G	H min/max	I
Z20N	80	0.106	3.5	11.14	4.06	½"	9.6	4.53	1.93	3.35	0.88 / 2	4.2
Z35N	140	0.304	5.9	14.51	5.5	½"	12.7	7.1	1.93	4.6	0.88 / 2.8	5.9
Z53N	210	0.304	5.9	14.51	5.5	1"	12.7	7.1	1.93	4.6	0.88 / 2.8	5.9
Z75N	300	1.32	6.4	22.5	7.5	1½"	20	9.8	1.93	6.3	0.88 / 13.56	7.5
Z125N	490	1.32	6.4	22.5	7.5	2"	20	9.8	1.93	6.3	0.88 / 13.56	7.5
Z188N	720	1.32	6.4	22.5	7.5	2"	20	9.8	1.93	6.3	0.88 / 13.56	7.5

** Nominal flow at 100 psig, scfm related to 14.7 psia.

Capacity Correction Factors							
System Air Pressure (psig)	15	30	45	60	75	90	100
Correction Factor	0.26	0.39	0.52	0.65	0.78	0.91	1
Capacity Correction Factors (continued)							
System Air Pressure (psig)	115	130	150	175	200	225	250
Correction Factor	1.13	1.27	1.44	1.6	1.87	2.09	2.31

Capacity based on 100 psig inlet pressure; 14.7 psia and 68 °F ambient conditions.

Particulate filters **BDF 0120** to **BDF 2500**
Microfilter and Activated Carbon Filters

Pre-filter **BV**

EFFICIENT

BOGE pre-filters are 99.99 percent efficient based on 3 µm, thus providing optimal conditions for further compressed air treatment.

LAYOUT

It is recommended that a pre-filter is positioned upstream of the compressed air dryer and the microfilter. They are essential when ambient air is extremely dusty or when high oil carry over is a risk.

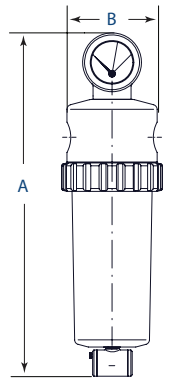
Microfilter **BM** and active carbon filter **BA**

EFFICIENT

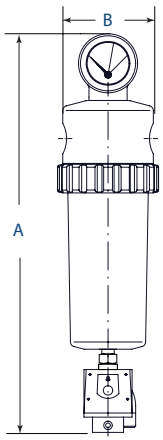
BOGE microfilters are 99.99 percent efficient based on 0.01 µm. The residual oil content after a microfilter is 0.01 ppm, and reduced to 0.005 ppm when used in combination with active carbon filters.

LAYOUT

Microfilters with or without active carbon filters are best used as main filters in the compressed air line or as point of use filters.



Standard Filter
with Float-Type Condensate
Drain Valve



Standard Filter w/Optional
Zero Air-Loss Condensate
Drain Valve

Differential pressure and efficiency			
	BM Series	BA Series	BV Series
Differential pressure in clean condition	Δp 1.3 psid	Δp 1.45 psi	Δp 0.7 psi
Efficiency	99.99999 % relative to 0.01 µm Residual oil content max. 0.01 ppm	Residual oil content = 0.003 ppm	90% on ISO fine dust Residual Oil content 1 ppm

Higher pressures and capacities are available upon request

For ultra clean compressed air in extreme conditions: Compressed air treatment is achieved in several stages. Pre-filters are used to separate coarse impurities from the compressed air. Smaller solids and oil can be removed by means of microfilters. Finally active carbon filters are used to clean oil vapors, aromatics, flavorings and odors from the compressed air. This assures oil free and clean compressed air even in extreme conditions!

Model	Capacity	Connection	Element		Dimensions (in)		Weight	Filter Element
	scfm	in. fnpt	size	quantity	H	W	lbs.	type
BDF Series Filters								
BDF 0120	70	1/2"	0120	1	13.5	4.5	2	BM,BV
BDF 0210	123	3/4"	0210	1	14.5	6	5	BM,BV
BDF 0320	188	1"	0320	1	17.5	6	5	BM,BV,BA
BDF 0450	264	1 1/4"	0450	1	23	7.5	12	BM,BV
BDF 0600	353	1 1/2"	0600	1	23	7.5	12	BM,BV
BDF 0750	441	2"	0750	1	23	7.5	12	BM,BV
BDF 1100	647	2"	1100	1	30	7.5	16	BM,BV,BA
BDF 1700	1000	2 1/2"	2030	1	37	7	29	BM,BV,BA
BDF 2500	1500	3"	3030	1	47	7	31	BM,BV,BA

Filter capacity based on nominal operating conditions at 100 psig inlet pressure at 100°F as per ISO 12500
Maximum operating pressure 250 psig
Maximum operating inlet temperature 150°F

Conversion factor f at other operating pressures

PSI Over-pressure	15	30	45	60	75	90	100	130	150	160	175	190	200	220
f =	0.25	0.36	0.5	0.6	0.75	0.9	**1**	1.2	1.4	1.5	1.6	1.75	1.9	2

Higher pressures and capacities are available upon request

Filter types

BV - Particulate / Coalescing Filter		
Initial Dp	Residual Oil	Particle Retention Rate
0.7 (psid)	1 ppm	90% on ISO fine dust
BM - Coalescing Filter		
Initial Dp	Residual Oil	Particle Retention Rate
1.3 (psid)	0.004 ppm	99.9999% on .01 micron
BA - Activated Carbon Filter		
Initial Dp	Residual Oil	Particle Retention Rate
1.45 (PSID)	<0.003 ppm	N/A

BOGE condensate drains

Float operated condensate drains

NO COMPRESSED AIR LOSSES
Float operated drains only open when there is condensate to remove. That means that compressed air losses are avoided.

SIMPLE OPERATING PRINCIPLE
Float operated drains work very simply however they are more sensitive to dirt and require regular maintenance.

Bekomat electronic level-controlled condensate drains

ZERO COMPRESSED AIR LOSSES
An electronic sensor ensures the drain only works when there is condensate to discharge – this is done without any air losses. The intelligent electronic controller ensures loss free discharge and also monitors the condition of the drain.

CONTROL FUNCTION
An LED display indicates the operating condition of the drain. A potential free contact (not available in Bekomat 31) allows remote monitoring – for high operating safety.

Level controlled condensate drains: Condensate is a by-product of compressing air. The amount produced depends entirely on humidity, ambient temperatures and the volume of air generated. Condensate is produced in different quantities in different places within the compressed air network, i.e. when the temperature of the compressed air falls below the pressure dew point. Due to their absolute reliability BOGE condensate drains stand for safe and efficient condensate management.

Electronic level controlled

BOGE Model	Max. compressor output cfm	Max. dryer output cfm 100% saturated	use for	Dimensions W x H in.	Connection In/Out
Bekomat 31	100	200	a, b	6.5 x 4.6	NPT ½ / BSP ¼
Bekomat 32	225	450	a, b	6.7 x 5.0	NPT ½ / BSP ¼
Bekomat 33	500	1000	a, b	8.3 x 6.2	NPT ½ / BSP ½
Bekomat 13	1300	2600	a	8.4 x 6.4	NPT ½ / BSP ½
Bekomat 14	5400	10800	a	9.9 x 7.1	NPT ¾ / BSP ½
Bekomat 16 CO	50000	100000	a, b	11.3 x 11	NPT ¾ / BSP ½

a = condensate with oil
b = oilfree, aggressive condensate

BOGE Oil/Water Separator

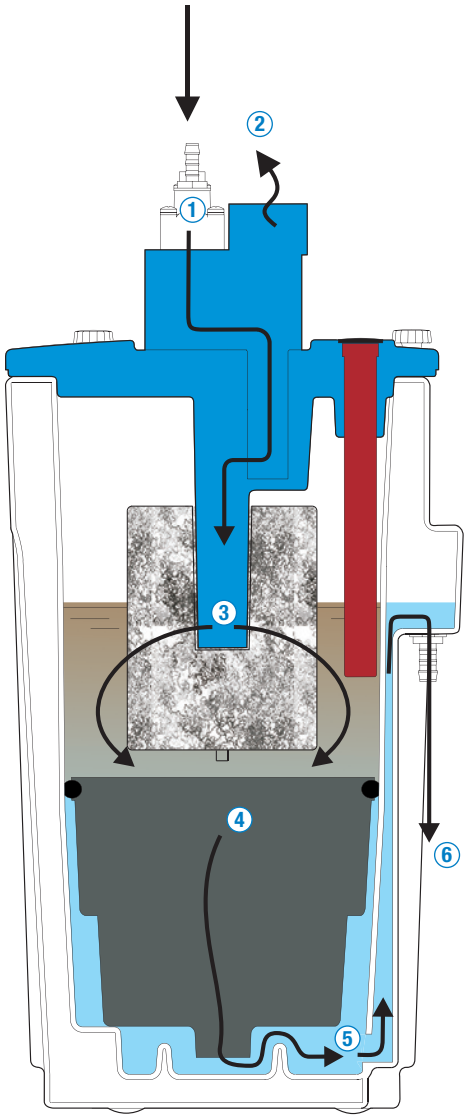
LARGE OVERFLOW
The large overflow is designed to prevent emulsions from impairing the function of the oil/water separator. Oil backup in the filter is thus avoided.

SIMPLIFIED SERVICE / NO MESS
Our cartridge based system is lightweight and easy to change making service quick and efficient. This system also allows the exterior of the unit to remain clean and dry without making an oily mess.

EFFICIENCY
BOGE oil/water separators are available in a number of sizes. They require no energy nor very much maintenance.

Unique Adsorption Material
Condensate separation takes place in the QWIK-PURE without using an activated carbon. Instead, we have opted for a unique filling material that has not only increased performance, but is by far lighter and cleaner than traditional oil/water separators on the market today.

Superior Condensate Separation Technology: Legislation demands that compressor condensate must be treated prior to discharge into a foul water network. In the case of a simple suspension, oil or emulsions can be separated from water by superior condensate separation technology, on site, by using a cost effective BOGE oil/water separator.



THE OPERATING PRINCIPLE: YOUR GUARANTEE FOR COST-EFFECTIVE CONDENSATE TREATMENT

The oil contaminated condensate flows under pressure into the newly designed pressure relief chamber. (1) Here, the pressure is released without creating turbulence downstream (2) of the condensate inlet. The oil contaminated condensate flowers into the high volume pre-filter (3), which is characterized by its ideal flow pattern from the inside to the outside. Here the remaining oil droplets are bound to the pre-filter. It also deals with any residual floating oil in the upper chamber.

As the pre-treated condensate enters the main cartridge the remaining oil is absorbed and locked into our advanced filter material where it cannot escape. (4) The condensate is now fully treated and flows around the lower chamber wall toward the clean water outlet. (5)

The final result is purified water suitable for discharge directly into the sewer system. (6) Thanks to the cartridge technology, filter replacement is both quick and clean; and all without the use of activated carbon.

BOGE Type	Compressor Performance		Piston Compressor		Rotary Screw Compressor			Dimensions
	Compressor hp	Compressor scfm	Mineral Oils	Synthetic Oils	Mineral Oils	PAO/Diester Oils	Polyglycol/ Synthetic	D x H in.
QWIK-PURE 25	25	113	50	50	25	50	50	7.9 x 20.7
QWIK-PURE 50	50	225	100	100	50	100	100	15.2 x 23.4
QWIK-PURE 100	100	450	200	350	100	200	200	18.1 x 24
QWIK-PURE 200	200	900	350		200	350	2 X 200	23.2 x 43.7
QWIK-PURE 350	350	1575			350	2 X 350	2 X 350	28.3 x 46.5

The cartridge lifetime is typically 6 months or 3000 operating hours depending on type of compressor employed, compressor lubricant, compressor load, ambient tepmerature, compressed air temperature and various other conditions.

READY FOR ACTION WORLDWIDE:

BOGE Service Support – Worldwide

BOGE COMPRESSED AIR SYSTEMS SERVICE

Service / Maintenance
Service support solutions including contracts covering repair and even warranty extension. Routine maintenance according to our flat rate service plan as well as inspection and breakdown cover.

Extended Warranty
Extension of your factory warranty up to 5 years with the BOGE best*cair*: for total security and back-up.

Maintenance & Repair
Options include; long-term fixed cost maintenance plans, a flat rate for all types of service and spare parts with a possible warranty extension up to 5 years.

Commissioning
Connection and adjustment of all equipment at your facility: a fast and dependable service delivered by qualified BOGE service technicians. Full installation on request.

24 Hour Helpline
Emergency helpline for trouble shooting and technical support: available any time around the clock!

COMPRESSED AIR FLAT RATE
A comprehensive service plan created to satisfy your individual requirements:
e.g. taking responsibility for the compressed air station at your facility including complete plant management for a monthly flat rate irrespective of hours of operation (energy costs not included).

FLEXIBLE SERVICE

This BOGE service program has been developed to adapt to each customer's unique requirements. It is our objective to create a tailor-made BOGE service package covering inspection, service and breakdown, with customized warranty arrangements as well as complete all-in service contracts.

Please contact us to help you determine the type of service best suited to meet your needs: Just email us at usa@boge.com or call us +1 770.874.1570 – our service specialists will be in touch with you shortly!

Service your added value! Maximized reliability and economic efficiency are not the only technical advantages that BOGE has to offer. Our comprehensive service support program will ensure your BOGE compressed air system remains in tip top condition. Wherever you need us, whatever we can do for you: BOGE Service Support is always readily available close by – competent, to the highest standards, and always one step ahead.

BOGE CAIRPLAN

BOGE best**cair** enables you to extend your factory warranty up to 5 years: 1 years factory warranty with 4 years additional best**cair** warranty – the choice is yours. Furthermore, best**cair** ensures manufacturer's recommended maintenance schedule of new and existing equipment at the specified service intervals.

BOGE ORIGINAL PARTS

Only original BOGE spare parts have the manufacturer's technological edge. You can be confident when opting for BOGE original spare parts in the service of your BOGE compressed air system will ensure that the integrity of the compressor is maintained, efficiency is retained and your peace of mind is sustained.

ALWAYS NEARBY

BOGE has a network of dedicated service technicians and certified partners at its disposal to help you worldwide with your installation, upgrading, commissioning or approval, maintenance, repair, or inspection: You can rely on the know-how and experience of our qualified experts – at all times.

Hotline Mobile Service: 1.770.874.1570

EMERGENCY ASSISTANCE

In the case of an emergency where immediate technical support is required, the BOGE product support trouble shooters or the BOGE Helpline team are available to you 24/7.

BOGE Helpline: 1.770.874.1570

AIR AUDITS

By analyzing your existing compressed air system, our energy efficiency experts can identify where savings can be made. The BOGE AIReport includes measurement of: dew point control, vibration control, leakage, noise, oil check and TAN check.

TRAINING COURSES

The BOGE Compressed Air College was established in order to train and certify internal employees and external partners as qualified BOGE Service Technicians. Attendance of training courses held in the in-house training center further assist in refreshing existing BOGE Service Technician's knowledge at regular intervals.

BOGE COMPRESSED AIR SYSTEMS

BOGE AIR. THE AIR TO WORK.

For four generations, customers from mechanical engineering, industry and trade have relied on BOGE know-how when it comes to planning, developing and manufacturing compressed air systems. They are fully aware of the fact that BOGE AIR is more than just ordinary compressed air: utmost safety, outstanding efficiency, excellent quality, maximized flexibility along with dependable service are the ingredients to transform BOGE AIR into air to work with – in Germany, in Europe and in more than 80 countries around the world.

Our ranges of services include the following:

- Energy efficient systems development
- Plant design and engineering
- System control and visualizing
- Oil-free piston, screw compressors
- Oil injected screw compressors and oil lubricated piston compressors
- Compressed air treatment
- Compressed air distribution and storage
- Compressed air accessories
- Compressed air service

Member of COMPRESSED AIR AND GAS INSTITUTE CAGI
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