

Technical data Boge DA series

Type	volume flow at 100 psig and 100 °F cfm ¹⁾ nominal	connection	Dimensions in inches			weight lb.
			height	width	depth	
0003	3	3/8"	28	19	13	59
0005	5	3/8"	28	19	13	73

0010	10	3/8"	42	19	13	90
0015	15	1/2"	42	19	13	97
0020	20	1/2"	42	19	13	106

0030	30	3/4"	63	26	17	235
0050	50	3/4"	63	26	17	308
0060	60	1"	63	26	17	372

0085	85	1"	78	30	23	440
0100	100	1"	78	30	23	561
0125	125	1 1/2"	78	30	23	609
0175	175	1 1/2"	78	30	23	706

0200	200	1 1/2"	84	37	26	876
0300	300	2"	84	37	26	948
0400	400	2"	84	37	26	1,113
0500	500	2"	91	43	31	1,309
0600	600	2 1/2"	91	43	31	1,487

Type 0003 to 0600 in cabinet with pre- and afterfilter.

0800	800	3"	101	59	37	1,914
1000	1000	3"	93	67	41	2,200
1200	1200	4"	102	71	45	2,431
1400	1400	4"	103	75	51	2,970
1600	1600	4"	106	79	53	3,366
2000	2000	4"	106	87	59	3,784
2400	2400	6"	117	94	64	5,610
3000	3000	6"	119	102	68	6,490
3500	3500	6"	121	110	71	7,700
4000	4000	6"	121	118	75	8,503
5000	5000	8"	129	134	90	12,804

Type 0800 to 5,000, pre- and afterfilter inclusive.

operating pressure p psig	75	90	100	115	130	150	160	175	190	200	220	250
conversion factor, pressure	0.75	0.88	1.00	1.13	1.25	1.38	1.50	1.63	1.75	1.88	2.00	2.13

¹⁾ at 14.7 psig, 68°F.

Built to ASME coded U-stamp and to CAGI standard. ANSI/ADF 200-1998.

Model 0003 – 0600 with thread connection NPT.

Model 0800 – 5000 with ANSI flange connection.

Max. operating pressure 250 psig up to type 1000.

Max. operating pressure 150 psig from type 1350.

High energy savings:

regeneration cycles: standard 2 by 5 min.

0,03 ppm residual oil content at 100 psig, 68°F, and an inlet concentration of < 3 ppm.

If the compressed air is very dirty, additional prefilters must be used. The pressure drop of the ultrapac® package is 2.2 psig in clean conditions.

Product range:

Demister:	20 – 5,000 cfm
Cyclone Separator:	70 – 8,600 cfm
High-capacity filters:	3 – 16,000 cfm
Compressed air fridge dryer:	5 – 7,400 cfm
Adsorption dryer:	
– Boge modular DAM	3 – 60 cfm
– Boge heatless DA	3 – 5,000 cfm
Condensate Management:	
– Bogemat condensate drains	
– Boge oil/water separators	75 – 4,000 cfm



Cold regenerated desiccant dryer

Boge DA series



Bogemat



Only dry compressed air is clean compressed air. Moisture in compressed air carries all sorts of dirt particles. The result is corrosion, machine downtime and a reduction in product quality. The DA series high efficiency dryers remove all of the moisture from compressed air and eliminate downtime and quality problems caused by compressed air contamination.

Boge DA desiccant dryers are designed to provide high drying efficiency for large volume flows. Because they contain no CFC's or CFC substitutes, they are environmental friendly. The DA series comes complete with everything you need to produce clean dry compressed air: control system, prefilter, afterfilter, automatic condensate drain and silencer. To install, simply plug the unit into a 110 V power supply, connect inlet and outlet pipes and pressurize.

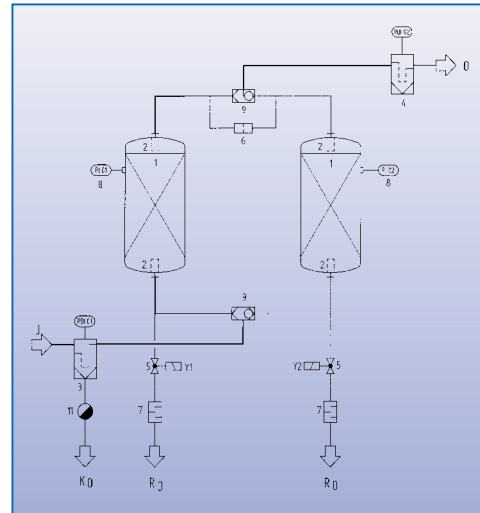
Vessels and filters are generously sized and offer low flow speed, low differential pressure and therefore low operating costs.

Regeneration cycles of 2 by 5 minutes offer a further cost reduction. With 28 different models in the range, you can always be assured of optimal sizing, price and operating costs.



The DA series is designed for volume flows of 3 to 5,000 cfm and achieve pressure dew points of -40° .

You can choose between a electronic control system and a pneumatic control system requiring no electrical supply. Both systems are characterized by their high cost-effectiveness and low operating costs. The optional ultraeconomy control system allows fixed or variable load-dependent cycles with automatic shut-off. (This significant upgrade option needs to be detailed with examples of cost savings.)



Selected materials and modern technologies are the basis for the high operational reliability of the Boge high efficiency dryer. The dryers are manufactured in modern production facilities with constant quality controls and are tested before dispatch to the customer. The technical perfection of each dryer conforms with the stringent requirements of CAGI standards.

Boge high efficiency dryers can be used in any application where there is a need for instrument quality. The drying process is fully automated to guarantee safe and constant operational reliability. Maximum performance and operational reliability with minimum operating costs - that's what you get from every Boge system solution.



Ready-to-go. All Boge DA desiccant dryer are delivered ready to operate. All functions can be monitored by a modern display. Even the control of the automatic, level-controlled, zero-loss condensate drain is enclosed in the display.

Cost savings with intermittent operation

A desiccant dryer operates absolutely efficiently, if its performance is connected to the compressor station. In centralized purification, where the dryer is connected directly after the compressor, cost savings can be achieved by an intermittent operation.

Compressor and dryer are connected to each other, so that the dryer will stop cycling when the compressor is on stand-by.

The intermittent control guarantees that during the stand-by period of the compressor no regeneration air is used, and ensures that desiccant will not saturate during the stand-by period it also ensures that the dryer will produce the right dew point quality immediately after restart.

A terminal connection is provided with the standard version.

Energy savings with intermittent operation

