



BLOWING SEAL – BL/BXL/BXXL

The BL, BXL and BXXL rotary valves are suitable for the metering and pneumatic conveying of powder and granular products. Many different valve configurations are available, due to the modular design of our standard components.

The BXL valve with enlarged inlet is specially designed for applications where inlet size is more important than capacity or for handling products with poor flowability. This valve is also available with an extra enlarged inlet: type BXXL.

The BL Dairy range includes USDA dairy accepted models and versions conforming to the EC 1934/2004 directive for sanitary use in the food and pharmaceutical industry. These stainless

steel valves are easily detachable within minutes and meet the highest hygienic standards. Both BL and BXL valves are optionally available in MZC execution with supporting bars for easy removal of the end cover and rotor without damaging the housing. The MZC valves are easily detachable within minutes.

Available sizes and capacity

Size BL	150	175	200	250	300	350
Size BXL		200	250	300	350	
Size BXXL				350		
Capacity* FT ³ /REV.	0.09	0.19	0.37	0.67	1.20	2.05

*Capacity per revolution at 100% filling



Specifications

- ▶ Minimum air leakage
- ▶ High filling efficiency
- ▶ Sheared angle inlet
- ▶ Drilled flanges in accordance with PN10, ANSI 150lbs
- ▶ Easy detachable versions available
- ▶ ATEX 2014/34/EU certification available
- ▶ ATEX Autonomous Protective System (APS) certification available
- ▶ Customised solutions

Product Information

The standard rotor has 9 blades. Various rotor configurations are available, such as adjustable or fixed blades, reduced capacity, scalloped fixed vaned, end disc etc.

The end covers have outboard bearing, lubricated and sealed for life. Shaft seals are available with gland packing or lipseal and optional air purge.

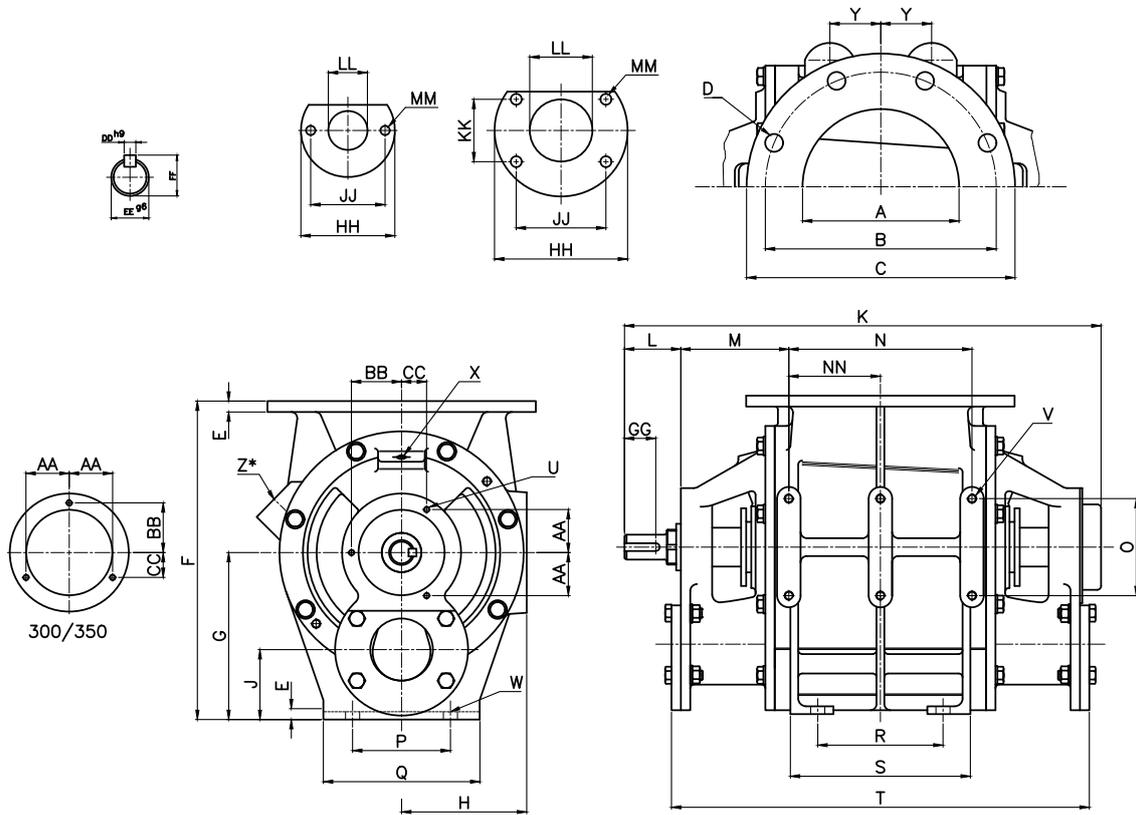
The standard models are suitable for products up to a temperature of +302°F and a maximum pressure difference of 29 PSI. ATEX Autonomous Protective System (APS) certified configurations are available. All models offer optimum venting through the large vent holes, standard pre-drilled and plugged on cast iron executions. Venting is optional on stainless steel and aluminium versions. DMN-WESTINGHOUSE uses SEW drives as their standard. While having a preference for direct drives, chain drives can also be supplied.

Application

The BL/BXL/BXXL is suitable for the following industries:

- ▶ Food
- ▶ Chemicals
- ▶ Paint
- ▶ Pet food
- ▶ Biomass
- ▶ Minerals
- ▶ Animal feed
- ▶ Aquaculture
- ▶ Recycling
- ▶ Pharmaceutical
- ▶ Dairy
- ▶ Batteries
- ▶ Infant formula
- ▶ Cosmetics
- ▶ Tires

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BL

BXL

TYPE		DIN				ANSI				DIN				ANSI										
BL	BXL	Ft ³ /rev	ØA	ØB	D	ØC	ØB	D	E	F	H	ØA	ØB	D	ØC	ØB	D	E	F	H	G	J	K	L
150		0.09	5.91	9.45	8xØ0.91	11.22	9.50	8xØ0.87	0.47	11.61	4.33										6.10	2.56	19.06	2.36
175	200	0.19	6.89	10.63	8xØ0.91	12.40	-	-	0.55	13.39	5.12	7.87	11.61	8xØ0.91	13.50	11.75	8xØ0.87	0.55	13.39	6.50	6.89	2.95	20.63	2.36
200	250	0.37	7.87	11.61	8xØ0.91	13.50	11.75	8xØ0.87	0.55	16.14	6.30	9.84	13.78	12xØ0.91	15.98	14.25	12xØ1.00	0.63	16.34	7.78	8.46	3.54	23.98	2.83
250	300	0.67	9.84	13.78	12xØ0.91	15.98	14.25	12xØ1.00	0.63	18.50	7.48	11.81	15.75	12xØ0.91	19.02	17.00	12xØ1.00	0.83	19.49	8.76	9.65	3.94	25.94	2.83
300	350	1.20	11.81	15.75	12xØ0.91	19.02	17.00	12xØ1.00	0.83	22.24	8.86	13.78	18.11	16xØ0.91	20.87	18.75	12xØ1.13	0.83	23.43	8.86	11.61	4.72	30.04	2.91
350		2.05	13.78	18.11	16xØ0.91	20.87	18.75	12xØ1.13	1.02	26.18	10.63										13.19	5.20	32.80	2.91

TYPE		M	N	NN	O	P	Q	R	S	T	U	V	X	Y	Z*	AA	BB	CC	DD	EE	FF	GG	HH	JJ	KK	LL	MM
150		5.00	5.75	-	3.94	4.33	5.51	3.94	6.06	16.54	3xM6	4xM10	¼" BSP (Ø10)	1.57	¼" BSP	1.46	2.07	1.46	0.31	1.18	1.30	1.38	4.72	3.74	-	1.97	2xØ0.47
175	200	4.92	7.48	-	3.94	5.12	6.30	5.12	7.48	18.11	3xM6	4xM10	¼" BSP (Ø10)	2.09	1" BSP	1.46	2.07	1.46	0.31	1.18	1.30	1.38	5.51	4.09	2.38	2.56	4xØ0.47
200	250	5.43	9.21	-	4.92	6.30	7.87	6.30	9.06	21.38	3xM8	4xM12	¼" BSP (Ø10)	2.56	1½" BSP	2.18	2.52	1.26	0.39	1.26	1.38	1.69	6.69	4.52	3.16	3.15	4xØ0.55
250	300	5.43	11.18	5.59	4.92	6.69	8.27	7.87	10.79	22.99	3xM8	6xM12	¼" BSP (Ø10)	2.95	1½" BSP	2.18	2.52	1.26	0.39	1.26	1.38	1.69	7.48	4.92	3.94	3.94	4xØ0.55
300	350	5.91	14.17	7.09	4.92	7.48	9.45	10.24	13.78	26.93	3xM10	6xM12	3/8" BSP (Ø10)	3.74	1½" BSP	2.90	3.35	1.67	0.39	1.50	1.61	1.73	9.06	6.45	4.52	4.92	4xØ0.55
350		6.10	16.54	8.27	4.92	8.66	10.63	12.20	16.14	29.69	3xM10	6xM12	3/8" BSP (Ø10)	4.41	1½" BSP	2.90	3.35	1.67	0.39	1.50	1.61	1.73	9.61	5.98	5.98	5.91	4xØ0.55

BXXL

TYPE		DIN				ANSI								
BXXL	Ft ³ /rev	ØA	ØB	D	ØC	ØB	D	E	F	G	H	J	K	L
350	0.67	13.78	18.11	16xØ0.91	20.87	17.75	12xØ1.13	1.02	21.06	9.65	8.76	3.94	25.94	2.83

TYPE		M	N	NN	O	P	Q	R	S	T	U	V	X	Y	Z*	AA	BB	CC	DD	EE	FF	GG	HH	JJ	KK	LL	MM
350		138	284	142	125	170	210	200	274	584	3xM8	6xM12	¼"	75	1½"	55.4	64	32	10	32	35	43	190	125	100	100	4xØ14

* Standard pre-drilled for cast iron

Technical modifications are possible, dimensions in inches.