

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 [*] LTR/REV.	2.5	5.5	10.5	19	34	58

*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
- ▶ EC1935/2004 conformity available

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.

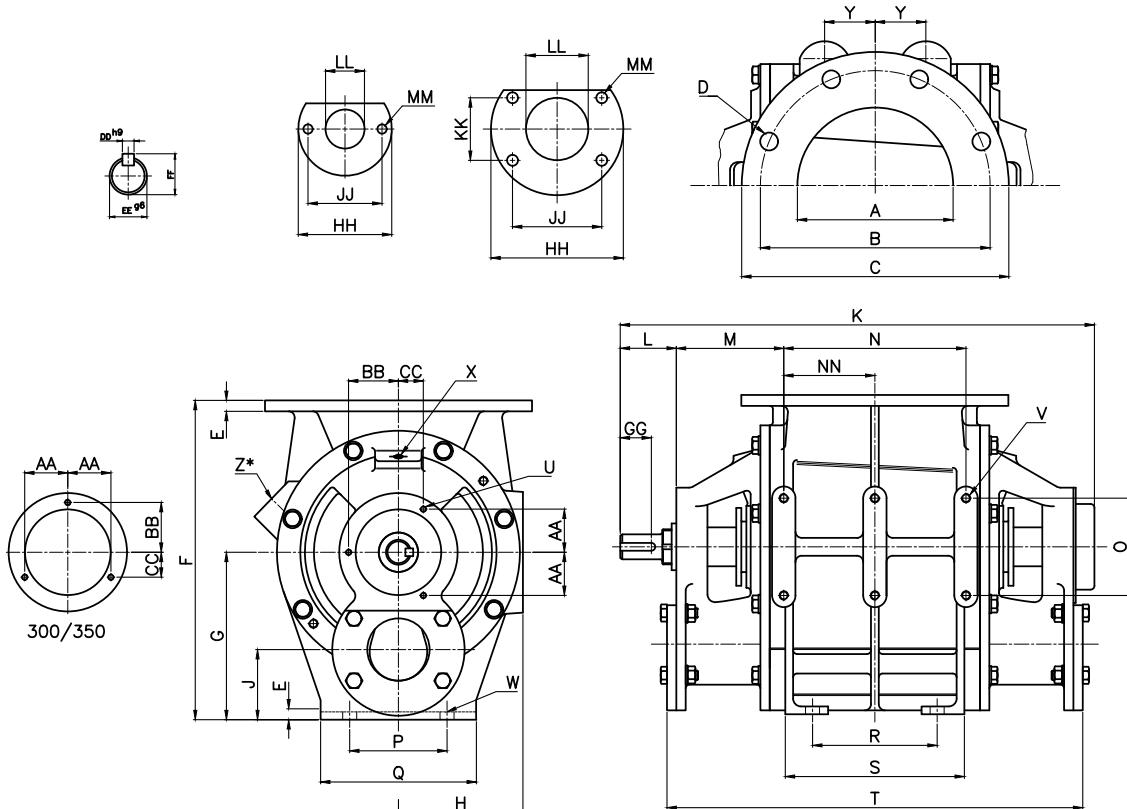
The standard models are suitable for products up to a temperature of +150°C and a maximum pressure difference of 2 barg. ATEX Autonomous Protective System (APS) certified configurations are available. All models offer optimum venting through the large vent holes, standard pre-drilled and plugged on cast 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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TYPE		BL						BXL																
BL	BXL	Ltr/rev	ØA	ØB	D	ØC	ØB	D	E	F	H	ØA	ØB	D	ØC	ØB	D	E	F	H	G	J	K	L
150		2.5	150	240	8xØ23	285	241.3	8xØ22.2	12	295	110										155	65	484	60
175	200	5.5	175	270	8xØ23	315	-	-	14	340	130	200	295	8xØ23	343	298.4	8xØ22.2	14	340	165	175	75	524	60
200	250	10.5	200	295	8xØ23	343	298.4	8xØ22.2	14	410	160	250	350	12xØ23	406	361.9	12xØ25.4	16	415	197.5	215	90	609	72
250	300	19	250	350	12xØ23	406	361.9	12xØ25.4	16	470	190	300	400	12xØ23	483	431.8	12xØ25.4	21	495	222.5	245	100	659	72
300	350	34	300	400	12xØ23	483	431.8	12xØ25.4	21	565	225	350	460	16xØ23	530	476.2	12xØ28.6	21	595	225	295	120	763	74
350		58	350	460	16xØ23	530	476.2	12xØ28.6	26	665	270										335	132	833	74

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		127	146	-	100	110	140	100	154	420	3xM6	4xM10	¼"	40	¼"	37.1	52.5	37.1	8	30	33	35	120	95	-	50	2xØ12
175	200	125	190	-	100	130	160	130	190	460	3xM6	4xM10	¼"	53	1"	37.1	52.5	37.1	8	30	33	35	140	103.9	60.4	65	4xØ12
200	250	138	234	-	125	160	200	160	230	543	3xM8	4xM12	¼"	65	1¼"	55.4	64	32	10	32	35	43	170	114.7	80.3	80	4xØ14
250	300	138	284	142	125	170	210	200	274	584	3xM8	6xM12	¼"	75	1¼"	55.4	64	32	10	32	35	43	190	125	100	100	4xØ14
300	350	150	360	180	125	190	240	260	350	684	3xM10	6xM12	¾/8"	95	1½"	73.6	85	42.5	10	38	41	44	230	163.8	114.7	125	4xØ14
350		155	420	210	125	220	270	310	410	754	3xM10	6xM12	¾/8"	112	1½"	73.6	85	42.5	10	38	41	44	244	152	152	150	4xØ14

BXXL														
TYPE		DIN						ANSI						
BXXL	Ltr/rev	ØA	ØB	D	ØC	ØB	D	E	F	G	H	J	K	L
350	19	350	460	16xØ23	530	476.2	12xØ28.6	26	535	225.5	245	100	659	72

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
BXXL		138	284	142	125	170	210	200	274	584	3xM8	6xM12	¼"	75	1¼"	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 mm.