

>> SANITARY ROTARY VALVE AL-BL

>> FEATURES:

- USDA approved
- Easy removal of rotor for fast and efficient cleaning
- Smooth product contact surfaces in food grade material
- Rotor pockets radiused and polished to Ra=0.8 um
- Rotor vanes chamfered on all edges
- Flame proof and explosion resistant versions available
- Flameproof versions available suitable for St2 products
- Versions conforming to ATEX 94/9/EC available

AL-BL Dairy Valves

The DMN AL airlock and BL blow through Sanitary valves have been designed for use in the food, chemical, and pharmaceutical industries where very high standards apply.

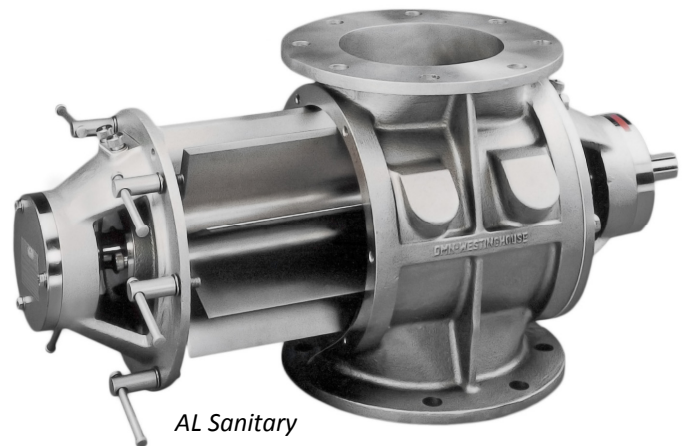
The construction of the valve is designed to avoid bacteriological contamination. All product contact

surfaces are in food grade material and smoothly polished.

The Sanitary valves are available in 6 sizes, covering a capacity range from approximately .09 to 2.05 CFR at 100% filling.



BL Sanitary



AL Sanitary

Product Information

The body and end covers are made from AISI 316 stainless steel (DIN 1.4408). The rotor is made from AISI 316L stainless steel (DIN1.4404).

Shaft sealing can be glands or air purge.

The standard models are suitable for temperatures up to 196° F and a pressure up to 29 PSI.

Flame proof and explosion shock resistant versions up to 145 PSI are also available.

The AL and BL Sanitary valves are also available in MZC versions with centrally placed supporting bars for easy removal of end cover and rotor.

The valves have a USDA certificate of approval for use in dairy plants and in situations where sanitation is key.



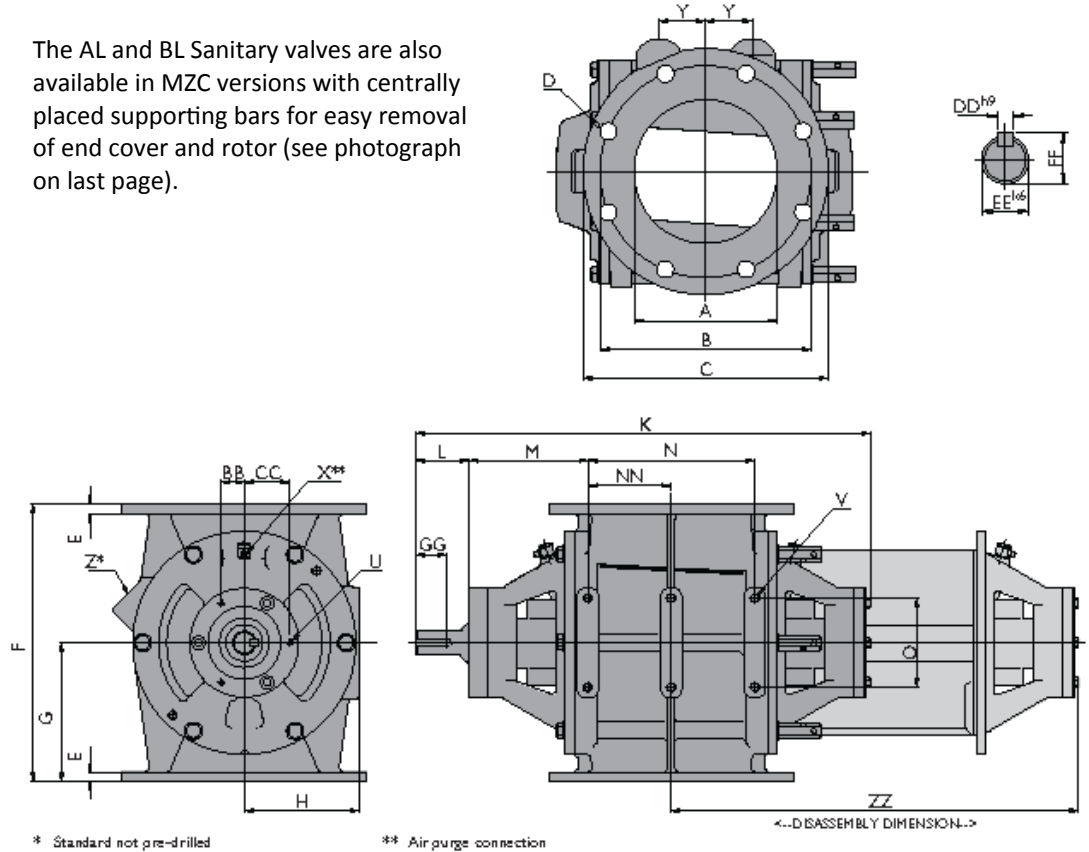
Powder Process-Solutions
Div. of Powder-Solutions Group
Ph: 877-933-2556
sales@powder-solutions.com
www.powder-solutions.com

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The AL and BL Sanitary valves are also available in MZC versions with centrally placed supporting bars for easy removal of end cover and rotor (see photograph on last page).



* Standard not pre-drilled

** Air purge connection

Type AL	ft ³ /rev	DIN				ANSI				E	F	G	H	K	L	M	N	NN	O
		ØA	ØB	D	ØC	ØB	D												
150	0.09	5.91	9.45	8xØ0.91	11.22	9.50	8xØ0.87	0.47	11.02	5.51	4.33	20.51	2.83	5.94	5.75	-	3.94		
175	0.19	6.89	10.63	8xØ0.91	12.40	-	-	0.55	12.99	6.50	5.12	22.09	2.83	5.87	7.48	-	3.94		
200	0.37	7.87	11.61	8xØ0.91	13.50	11.75	8xØ0.87	0.55	15.35	7.68	6.30	25.43	3.31	6.54	9.21	-	4.92		
250	0.67	9.84	13.78	12xØ0.91	15.98	14.25	12xØ1.00	0.63	17.72	8.86	7.48	27.40	3.31	6.54	11.18	5.59	4.92		
300	1.20	11.81	15.75	12xØ0.91	19.02	17.00	12xØ1.00	0.83	21.26	10.63	8.86	31.65	3.15	7.28	14.17	7.09	4.92		
350	2.05	13.78	18.11	16xØ0.91	20.87	18.75	12xØ1.12	1.02	25.98	12.99	10.63	34.41	3.15	7.48	16.54	8.27	4.92		

Type AL	U	V	X**	Y	Z	AA	BB	CC	DD	EE	FF	GG	ZZ
150	3xM6	4xM10	1/4" BSP (Ø10)	40	UNEF 1 1/4"	1.46	1.46	2.07	0.31	1.18	1.30	1.38	20.94
175	3xM6	4xM10	1/4" BSP (Ø10)	53	UNEF 1 1/4"	1.46	1.46	2.07	0.31	1.18	1.30	1.38	23.31
200	3xM8	4xM12	1/4" BSP (Ø10)	65	UNEF 1 1/4"	2.18	1.26	2.52	0.39	1.26	1.38	1.69	27.24
250	3xM8	6xM12	1/4" BSP (Ø10)	75	UNEF 1 1/4"	2.18	1.26	2.52	0.39	1.26	1.38	1.69	30.20
300	3xM10	6xM12	1/4" BSP (Ø10)	95	UNEF 1 1/4"	2.90	1.67	3.35	0.39	1.50	1.61	1.73	36.02
350	3xM10	6xM12	1/4" BSP (Ø10)	112	UNEF 1 1/4"	2.90	1.67	3.35	0.39	1.50	1.61	1.73	39.37



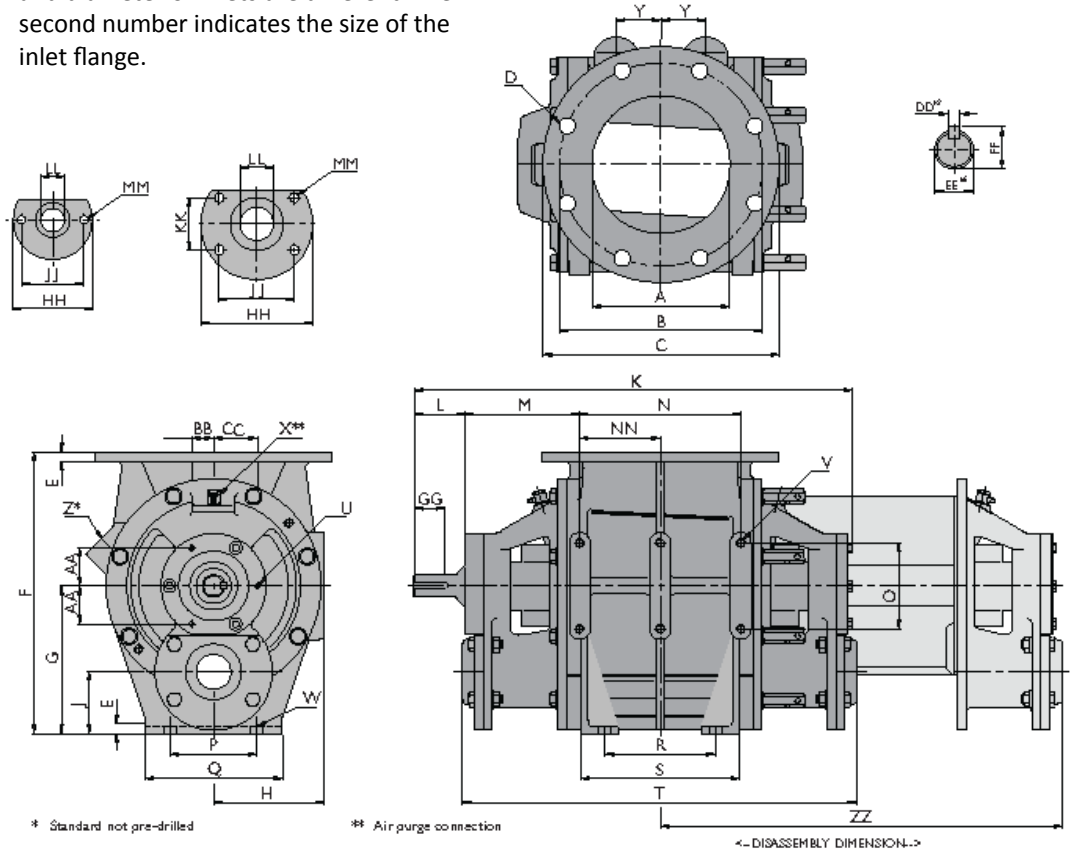
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>> BL SANITARY ROTARY VALVE

>> FEATURES:

- USDA approved
- Easy removal of rotor for fast and efficient cleaning
- Smooth product contact surfaces in food grade material
- Rotor pockets radiused and polished to Ra=0.8 um
- Rotor vanes chamfered on all edges
- Flame proof and explosion resistant versions available
- Flameproof versions available suitable for St2 products
- Versions conforming to ATEX 94/9/EC available

Versions of the BL type are also available with enlarged inlet: 175/200, 200/250, 250/300 and 300/350. Sizes of height and diameter of inlets are different. The second number indicates the size of the inlet flange.



Type BL	ft ³ /rev	DIN			ANS			E	F	G	H	J	K	L	M	N	NN	O	P	Q	R	S
		∅A	∅B	D	∅C	∅B	D															
150	0.09	5.91	9.45	8x∅0.91	11.22	9.50	8x∅0.87	0.47	11.61	6.10	433	25.6	20.51	2.83	5.94	5.75	-	3.94	4.33	5.51	3.94	6.06
175	0.19	6.89	10.63	8x∅0.91	12.40	-	-	0.55	13.39	6.89	5.12	2.95	22.09	2.83	5.87	7.48	-	3.94	5.12	6.30	5.12	7.48
200	0.37	7.87	11.61	8x∅0.91	13.50	11.75	8x∅0.87	0.55	16.14	8.46	6.30	3.54	25.43	3.31	6.54	9.21	-	4.92	6.30	7.87	6.30	9.06
250	0.67	9.84	13.78	12x∅0.91	15.98	14.25	12x∅1.00	0.63	18.50	9.65	7.48	3.94	27.40	3.31	6.54	11.18	5.59	4.92	6.69	8.27	7.87	10.79
300	1.20	11.81	15.75	12x∅0.91	19.02	17.00	12x∅1.00	0.83	22.24	11.61	8.86	4.72	31.65	3.15	7.28	14.17	7.09	4.92	7.48	9.45	10.24	13.78
350	2.05	13.78	18.11	16x∅0.91	20.87	18.75	12x∅1.12	1.02	26.18	13.19	10.63	5.20	34.41	3.15	7.48	16.54	8.27	4.92	8.66	10.63	12.20	16.14

Type BL	T	U	V	W	X	Y	Z	AA	BB	CC	DD	EE	FF	GG	HH	JJ	KK	LL	LL max	MM	ZZ
150	18.19	3xM6	4xM10	4x∅0.47	1/2" BSP (∅10)	40	UNEF 1 1/2"	1.46	1.46	2.07	0.31	1.18	1.30	1.38	4.72	3.74	-	1.38	1.97	2x∅0.47	21.26
175	19.76	3xM6	4xM10	4x∅0.55	1/2" BSP (∅10)	53	UNEF 1 1/2"	1.46	1.46	2.07	0.31	1.18	1.30	1.38	5.51	4.09	2.38	1.97	2.56	4x∅0.47	23.62
200	22.52	3xM8	4xM12	4x∅0.7	1/2" BSP (∅10)	65	UNEF 1 1/2"	2.18	1.26	2.52	0.39	1.26	1.38	1.69	6.69	4.52	3.16	1.97	3.15	4x∅0.55	27.56
250	24.49	3xM8	4xM12	4x∅0.71	1/2" BSP (∅10)	75	UNEF 1 1/2"	2.18	1.26	2.52	0.39	1.26	1.38	1.69	7.48	4.92	3.94	2.76	3.94	4x∅0.55	30.51
300	28.50	3xM10	4xM12	4x∅0.91	1/2" BSP (∅10)	95	UNEF 1 1/2"	2.90	1.67	3.35	0.39	1.50	1.61	1.73	9.06	6.45	4.52	3.94	4.92	4x∅0.55	36.02
350	31.26	3xM10	4xM12	4x∅0.91	1/2" BSP (∅10)	112	UNEF 1 1/2"	2.90	1.67	3.35	0.39	1.50	1.61	1.73	9.61	5.98	5.98	4.92	5.91	4x∅0.55	39.37



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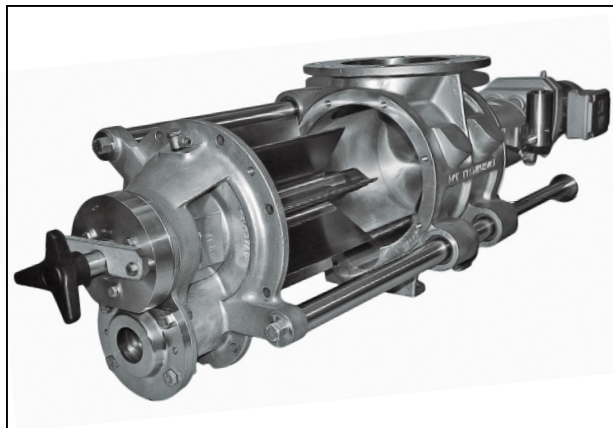
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- Flameproof versions available suitable for St2 products
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With the standard Dalbi rotor, the friction between end cover and rotor is minimal.



The AL and the BL Sanitary valves are also available in the MZC-version with centrally placed supporting bars for easy removal of end cover and rotor (see special product leaflet).

>> Contact us with your design parameters.

>> Technical specifications and dimensions available on request.



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