

BL-BXL DAIRY



BL-BXL Dairy rotary airlocks

The BL-BXL Dairy blow through rotary airlocks have been designed for use in the food, pet food, chemical and pharmaceutical industries where very high standards apply. The Dairy valves have an official USDA certificate of acceptance for use in dairy plants and are optionally available conforming to the EC 1935/2004 directive.

The construction of the valve is designed to avoid bacteriological contamination. All product contact surfaces are in food grade material and smoothly polished.

The BL-BXL Dairy 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 easy detachable in a few minutes.

The BL Dairy valves are available in 6 sizes, covering a capacity range from approximately 0.09-2.05 CFR at 100% filling. The BXL valves are available in 4 sizes representing a capacity range of the rotor from 0.19-1.20 CFR at 100% filling. The BXL size corresponds with the dimension of the inlet flange.

Size Type BL	150	175	200	250	300	350
Size Type BXL		200	250	300	350	
Ft ³ /rev*	0.09	0.19	0.37	0.67	1.20	2.05

* at 100% filling

- USDA Dairy Accepted
- Versions conforming to EC 1035/2004 available
- 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 µm (150 grit)
- Rotor vanes chamfered on all edges
- Flame proof and explosion shock resistant versions available
- Flameproof versions suitable for St2 products available
- Versions conforming to ATEX 94/9/EC available
- CIP-suitable versions conforming to EHEDG Type EL Class I available

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 (DIN 1.4404). For special applications internal and external mirror polishing of the valve is possible.

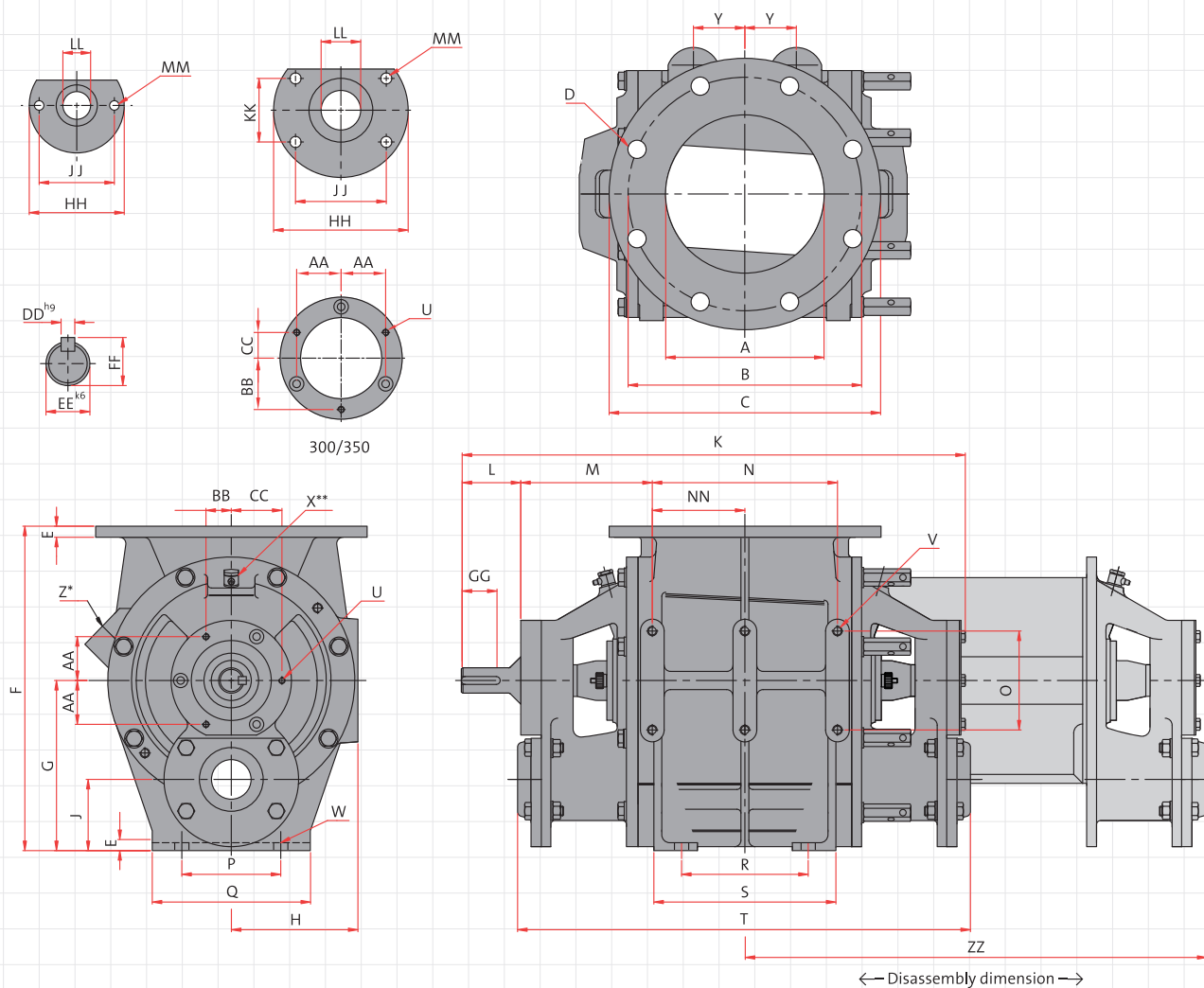
For the BL-BXL valves tri clamp connections are also available.

The shaft sealing is by means of gland packing or air purge.

The standard models are suitable for temperatures up to 176 °F and a pressure up to 29 PSI. Flame proof and explosion shock resistant versions up to 145 PSI are also available.

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Dimensions BL Dairy and BXL Dairy



Type		BL Dairy										BXL Dairy															
BL	BXL	Ft ³ /rev	ØA	ØB	D	ØC	ØB	D	E	H	ØA	ØB	D	ØC	ØB	D	E	H	F	G	J	K	L	M	N	NN	O
150		0.09	5.91	9.45	8xØ0.91	11.22	9.50	8xØ0.87	0.47	4.33									11.61	6.10	2.56	20.51	2.83	5.94	5.75	-	3.94
175	200	0.19	6.89	10.63	8xØ0.91	12.40	-	-	0.55	5.12	7.87	11.61	8xØ0.91	13.50	11.75	8xØ0.87	0.55	6.50	13.39	6.89	2.95	22.09	2.83	5.87	7.48	-	3.94
200	250	0.37	7.87	11.61	8xØ0.91	13.50	11.75	8xØ0.87	0.55	6.30	9.84	13.78	12xØ0.91	15.98	14.25	12xØ1.00	0.63	7.78	16.14	8.46	3.54	25.43	3.31	6.54	9.21	-	4.92
250	300	0.67	9.84	13.78	12xØ0.91	15.98	14.25	12xØ1.00	0.63	7.48	11.81	15.75	12xØ0.91	19.02	17.00	12xØ1.00	0.83	8.86	18.50	9.65	3.94	27.40	3.31	6.54	11.18	5.59	4.92
300	350	1.20	11.81	15.75	12xØ0.91	19.02	17.00	12xØ1.00	0.83	8.86	13.78	18.11	16xØ0.91	20.87	18.75	12xØ1.13	0.83	8.86	18.27	11.61	4.72	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	12xØ1.13	1.02	10.63									26.18	13.19	5.20	34.41	3.15	7.48	16.54	8.27	4.92

Type		P	Q	R	S	T	U	V	W	X**	Y	Z*	AA	BB	CC	DD	EE	FF	GG	HH	JJ	KK	LL	LL max	MM	ZZ
150		4.33	5.51	3.94	6.06	18.19	3xM6	4xM10	4xØ0.47	¼" BSP (Ø10)	1.57	UNEF 1¼"	1.46	1.46	2.07	0.31	1.18	1.30	1.38	4.72	3.74	-	1.38	1.97	2xØ0.47	21.26
175	200	5.12	6.30	5.12	7.48	19.76	3xM6	4xM10	4xØ0.55	¼" BSP (Ø10)	2.09	UNEF 1¼"	1.46	1.46	2.07	0.31	1.18	1.30	1.38	5.51	4.09	2.38	1.97	2.56	4xØ0.47	23.62
200	250	6.30	7.87	6.30	9.06	22.52	3xM8	4xM12	4xØ0.71	¼" BSP (Ø10)	2.56	UNEF 1¼"	2.18	1.26	2.52	0.39	1.26	1.38	1.69	6.69	4.52	3.16	1.97	3.15	4xØ0.55	27.56
250	300	6.69	8.27	7.87	10.79	24.49	3xM8	6xM12	4xØ0.71	¼" BSP (Ø10)	2.95	UNEF 1¼"	2.18	1.26	2.52	0.39	1.26	1.38	1.69	7.48	4.92	3.94	2.76	3.94	4xØ0.55	30.51
300	350	7.48	9.45	10.24	13.78	28.50	3xM10	6xM12	4xØ0.91	¼" BSP (Ø10)	3.74	UNEF 1¼"	2.90	3.35	1.67	0.39	1.50	1.61	1.73	9.06	6.45	4.52	3.94	4.92	4xØ0.55	36.02
350		8.66	10.63	12.20	16.14	31.26	3xM10	6xM12	4xØ0.91	¼" BSP (Ø10)	4.41	UNEF 1¼"	2.90	3.35	1.67	0.39	1.50	1.61	1.73	9.61	5.98	5.98	4.92	5.91	4xØ0.55	39.37

* Standard pre-drilled for cast iron | Standaard voorgeboord bij gietijzer | Standard gebohrt in Gußeisen | Standard percé pour fonte | Standard pre-taladrado para fundición de Fe | Standard preforato per ghisa | Standard otwory w żelazie | Предварительно изготовленные отверстия стандартны для чугуна

** Air purge connection | Aansluiting luchtfachting | Luftspülanschluss | Connexion insufflation d'air | Entrada aire de fluidificación | Ingresso aria di flussaggio | Złącze powietrza płuczącego | Подключение продувки воздухом

Technical modifications are possible, dimensions in inches | Technische wijzigingen voorbehouden, maten in inches | Technische Änderungen vorbehalten, Maße in Inches | Changements d'exécutions techniques réservés, dimensions en pouces | Son posibles variaciones técnicas, dimensiones en pulgadas | Sono possibili variazioni tecniche, dimensioni in pollici | Možliwe są modyfikacje techniczne, wymiary w calach | Сохраняется право на внесение технических изменений, размеры в дюймах

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