



AIRLOCK – AL/AXL DAIRY

The AL-AXL Dairy rotary valves are suitable for use in industries where stringent hygienic 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 prevent bacteriological contamination. All product contact surfaces are in food-grade material and are smoothly polished.

The AL-AXL Dairy valves are optionally available in MZC execution with supporting rails for easy removal of the end cover and rotor without damaging the housing.

The AXL size corresponds with the dimension of the inlet flange.

Available sizes and capacity

Size AL	150	175	200	250	300	350
Size AXL		200	250	300	350	
Capacity* LTR/REV.	2.5	5.5	10.5	19	34	58



Specifications

- ▶ USDA Dairy accepted
- ▶ EC1935/2004 conformity available
- ▶ Easy removal of the 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
- ▶ ATEX 2014/34/EU certification available
- ▶ ATEX Autonomous Protective System (APS) certification available
- ▶ EHEDG Type ED class II certification available

Product Information

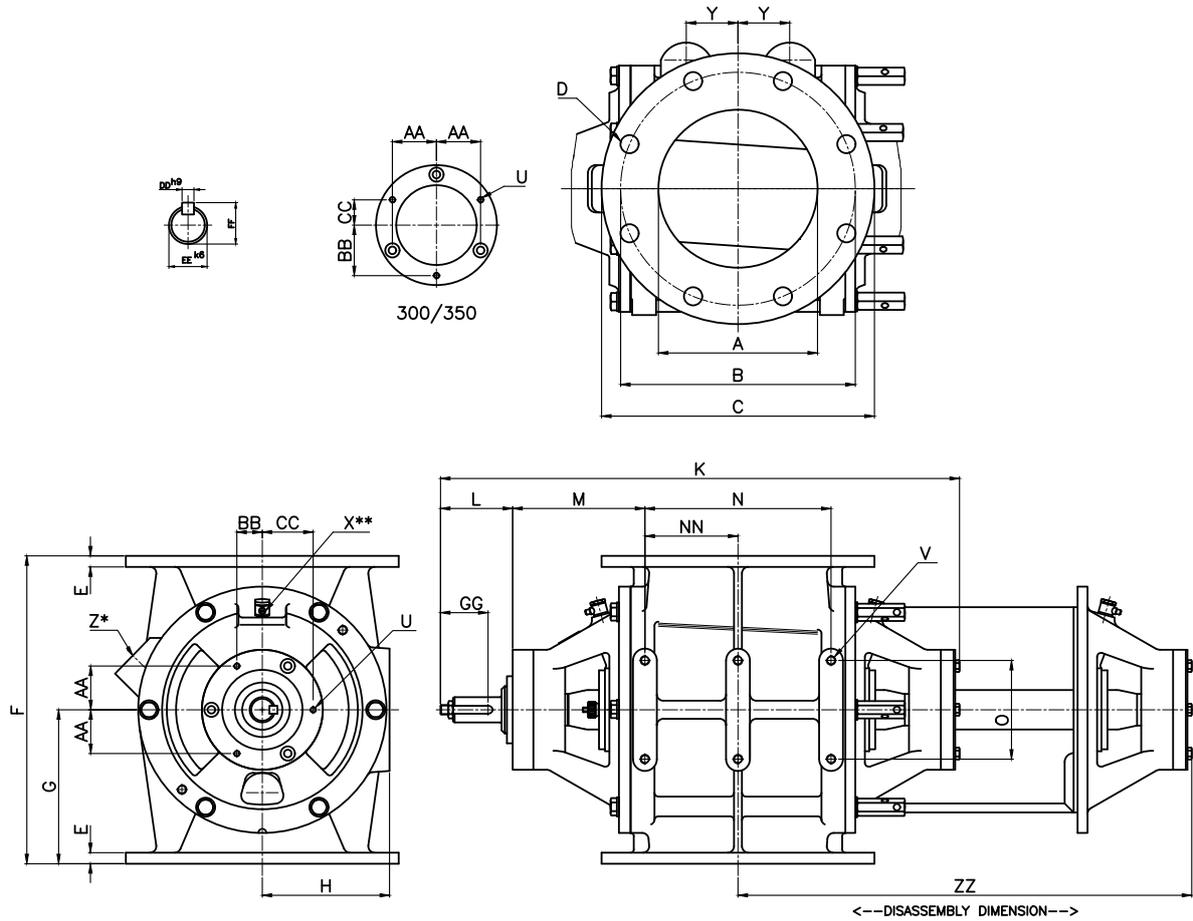
The body and end covers are AISI 316 stainless steel (DIN 1.4408). The rotor is AISI 316L stainless steel (DIN 1.4404). For special applications, internal and external mirror polishing of the valve is possible. The shaft sealing utilizes gland packing or lip seals with air purge option. They are suitable for temperatures up to +150°C and pressure up to 2 barg. ATEX Autonomous Protective System (APS) certified configurations are available up to 10 barg.

Application

The AL/AXL Dairy is suitable for the following industries:

- ▶ Plastics
- ▶ Food
- ▶ Pet food
- ▶ Dairy
- ▶ Cosmetics
- ▶ Pharmaceutical
- ▶ Infant formula
- ▶ Chemicals
- ▶ Batteries

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AL DAIRY											AXL DAIRY										
TYPE			DIN			ANSI						DIN			ANSI						
AL	AXL	Ltr/rev	ØA	ØB	D	ØC	ØB	D	E	H	ØA	ØB	C	ØC	ØB	D	E	H	F	G	
150		2,5	150	240	8xØ23	285	241,3	8xØ22,5	12	110									280	140	
175	200	5,5	175	270	8xØ23	315	-	-	14	130	200	295	8xØ23	343	298,4	8xØ22,2	14	165	330	165	
200	250	10,5	200	295	8xØ23	343	298,4	8xØ22,2	14	160	250	350	12xØ23	406	361,9	12xØ25,4	16	197,5	390	195	
250	300	19	250	350	12xØ23	406	361,9	12xØ25,4	16	190	300	400	12xØ23	483	431,8	12xØ25,4	21	222,2	450	225	
300	350	34	300	400	12xØ23	483	431,8	12xØ25,4	21	225	350	460	16xØ23	530	476,2	12xØ28,6	21	225	540	270	
350		58	350	460	16xØ23	530	476,2	12xØ28,6	26	270									660	330	

TYPE																					
AL	AXL	K	L	M	N	NN	O	U	V	X	Y	Z*	AA	BB	CC	DD	EE	FF	GG	ZZ	
150		521	72	151	146	-	100	3xM6	4xM10	¼"(Ø10)	40	UNEF1½"	37.1	37.1	52.5	8	30	33	35	532	
175	200	561	72	149	190	-	100	3xM6	4xM10	¼"(Ø10)	53	UNEF1½"	37.1	37.1	52.5	8	30	33	35	592	
200	250	646	84	166	234	-	125	3xM8	4xM12	¼"(Ø10)	65	UNEF1½"	55.4	32	64	10	32	35	43	692	
250	300	696	84	166	284	142	125	3xM8	4xM12	¼"(Ø10)	75	UNEF1½"	55.4	32	64	10	32	35	43	767	
300	350	804	80	185	360	180	125	3xM10	6xM12	¼"(Ø10)	95	UNEF1½"	73.6	85	42.5	10	38	41	44	915	
350		874	80	190	420	210	125	3xM10	6xM12	¼"(Ø10)	112	UNEF1½"	73.6	85	42.5	10	38	41	44	1000	

* Standard pre-drilled for cast iron

** Air purge connection

Technical modifications are possible, dimensions in mm.