



MEDIUM DUTY AIRLOCK – MALD

The MALD medium-duty valves are suitable for applications where valves with outboard bearings would be over-qualified. The valves give exceptional value for money due to the simple construction and direct drive.

The valves are suited for both conveying and metering purposes. They are ideal for vacuum conveying applications, Big bag unloading, cyclone applications, and general-purpose applications. The MALD valve utilises the AL-valve body, which has two round flanges and is suitable for powders. This valve is suitable for many applications where a valve with outboard bearings would be over-qualified.

Available sizes and capacity

Size MALD	100	150	175	200	250	300	350
Capacity* LTR/REV.	0.8	2.5	5.5	10.5	19	34	58

*Capacity per revolution at 100% filling



Specifications

- ▶ Compact design
- ▶ Standard fitted with Nord direct drive
- ▶ Pressure shock resistant up to 10 barg
- ▶ Flange drillings available to PN 10 and ANSI 150 lbs
- ▶ Suitable for frequency inverter control
- ▶ Sheared angle inlet
- ▶ ATEX 2014/34/EU certification available
- ▶ EC1935/2004 conformity available

Product Information

The valves are available in three materials of construction: cast iron, aluminium, and stainless steel. The cast iron valves are also available nickel or chrome plated.

The standard rotor has 8 fixed blades chamfered on three sides. Various rotor configurations are optionally available with a variety of adjustable blades. The end covers have inboard ball bearings sealed for life. The shaft sealing utilizes lipseals, with the option of air purge.

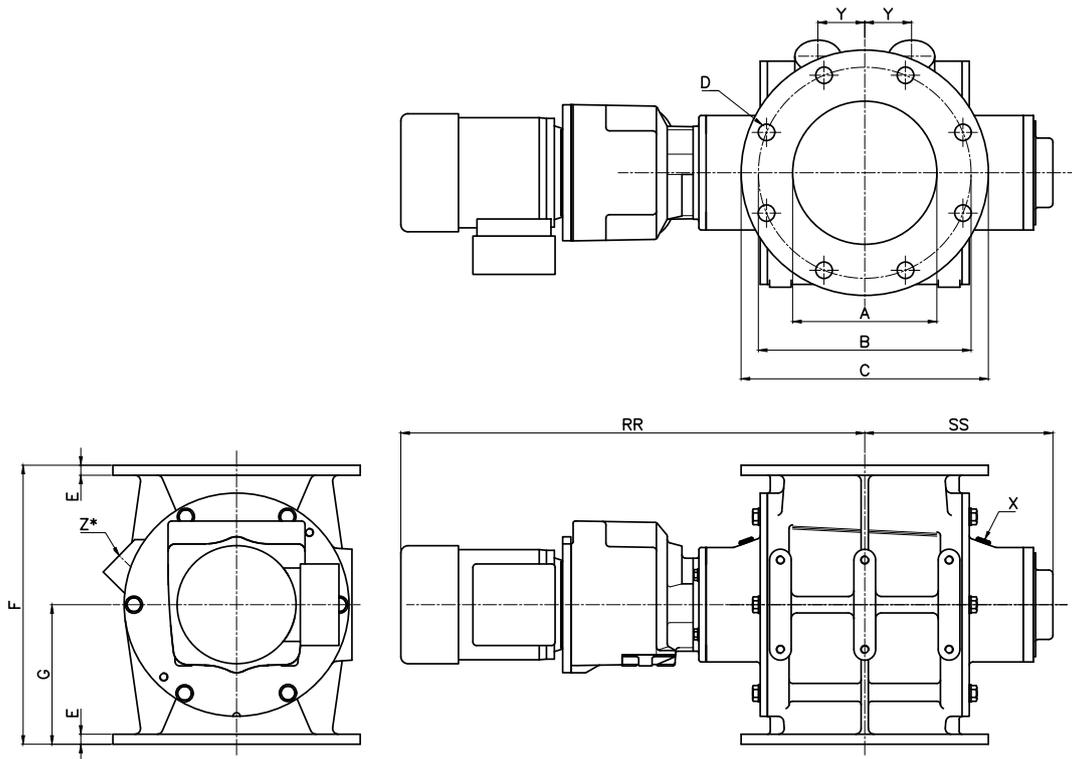
The standard models are suitable for handling products up to a temperature of +65°C and a maximum pressure differential of 1 bar. The valves are pressure shock resistant up to 10 barg.

Application

The MALD is suitable for the following industries:

- ▶ Food
- ▶ Animal feed
- ▶ Pet food
- ▶ Minerals
- ▶ Chemicals
- ▶ Recycling
- ▶ Plastics
- ▶ Biomass
- ▶ Paint

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TYPE		DIN			ANSI											Type NORD	≥Nm
MALD	Ltr/rev	ØA	ØB	D	ØC	ØB	D	E	F	G	X	Y	Z*	RR	SS		
100	0.8	100	170	4xØ18	210	-	-	10.5	180	90	¼"	-	-	469	165	SK172.1F	70
150	2.5	150	240	8xØ23	285	241.3	8xØ22.2	12	280	140	¼"	40	¾"	607	241	SK373.1F	110
175	5.5	175	270	8xØ23	315	-	-	14	330	165	¼"	53	1"	627	234	SK373.1F	150
200	10.5	200	295	8xØ23	343	298.4	8xØ22.2	14	390	195	¼"	65	1¼"	709	261	SK573.1F	210
250	19	250	350	12xØ23	406	361.9	12xØ25.4	16	450	225	¼"	75	1¼"	734	286	SK573.1F	285
300	34	300	400	12xØ23	483	431.8	12xØ25.4	21	540	270	¾"	95	1½"	797	344	SK573.1F	410
350	58	350	460	16xØ23	530	476.2	12xØ28.6	26	660	330	¾"	112	1½"	852	379	SK673.1F	560

* Standard pre-drilled for cast iron

Technical modifications are possible, dimensions in mm.