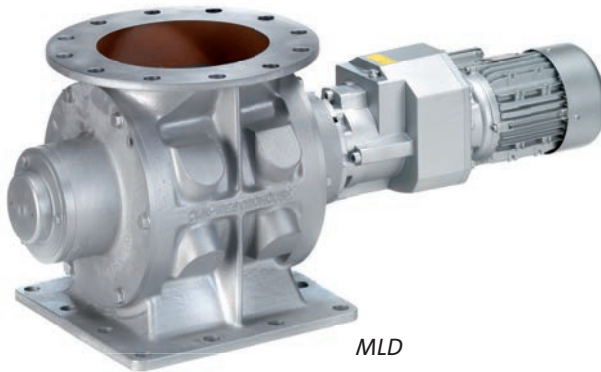
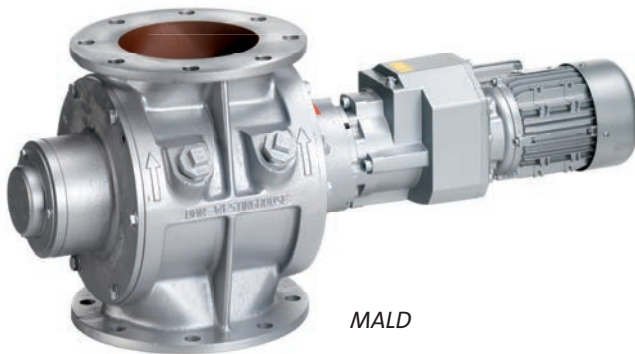


MALD-MLD-MGLD



MLD



MALD

- Compact design
- Substantial construction
- Standard fitted with Nord direct drive
- Pressure surge proof up to 145 PSI
- Flange drillings available to PN 10, ANSI 150 lbs
- Direct inverter control
- Sheared angle inlet
- Versions conforming to ATEX 94/9/EC available

MALD, MLD and MGLD rotary airlocks

The MALD, MLD and MGLD medium duty valves have been developed for applications where valves with outboard bearings would be over-specified. The valves give exceptional value for money due to the simple construction and direct drive. The basic construction of the three valves is the same, with the exception of the bodies.

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-specified.

The MLD valve is based on the ML-valve body and is suitable for handling powders. The valve has one round flange and one square flange, both of which are one size larger than the MALD for the same rotor capacity. By this the valve has a large inlet in relation to the rotor volume, so that high filling efficiencies are reached with free flowing products. The valve can also be used as a transition piece from round to square or vice versa.

The MGLD valve is based on the GL-valve body and is suitable for granular products, *definitely not for powders*. The valve has a large air vent opening. Degradation of the conveyed product has been minimised by the configuration of the body and rotor, whilst optimal pocket filling efficiency is still attained. More information, dimensional drawings etc. are available on request.

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 is by means of lipseals, with the option of air purge.

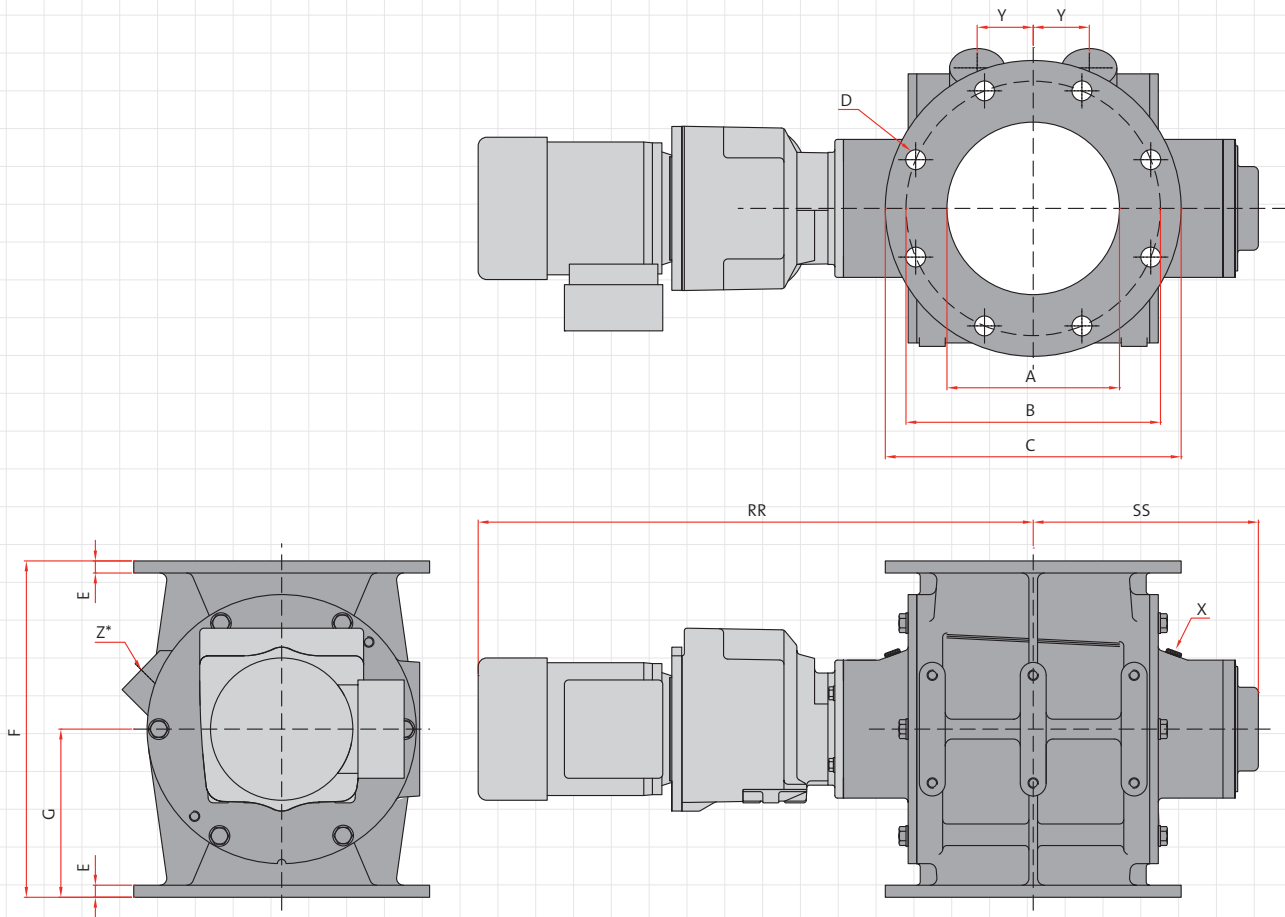
The standard models are suitable for handling products up to a temperature of 149 °F and a maximum pressure differential of 14.5 PSI. The valves are pressure shock resistant up to 145 PSI pressure.

	MLD	MALD	MGLD
Sizes	7	7	4
Capacity range*	0.03-2.05	0.03-2.05	0.18-1.13

* CFR at 100% filling

MALD

Dimensions MALD



Type MALD	Ft ³ /rev	DIN				ANSI				G	X	Y	Z*	RR	SS	type NORD	≥ lb-in
		ØA	ØB	D	ØC	ØB	D	E	F								
100	0.03	3.94	6.69	4xØ0.71	8.27	—	—	0.41	7.09	3.54	½" BSP	—	—	18.46	6.50	SK172.1F	620
150	0.09	5.91	9.45	8xØ0.91	11.22	9.50	8xØ0.87	0.47	11.02	5.51	¼" BSP	1.57	¾" BSP	23.90	8.43	SK373.1F	1283
175	0.19	6.89	10.63	8xØ0.91	12.40	—	—	0.55	12.99	6.50	¼" BSP	2.09	1" BSP	24.69	9.21	SK373.1F	1283
200	0.37	7.87	11.61	8xØ0.91	13.50	11.75	8xØ0.87	0.55	15.35	7.68	¼" BSP	2.56	1¼" BSP	27.91	10.28	SK573.1F	1903
250	0.67	9.84	13.78	12xØ0.91	15.98	14.25	12xØ1.00	0.63	17.72	8.86	¼" BSP	2.95	1¼" BSP	28.90	11.26	SK573.1F	2567
300	1.20	11.81	15.75	12xØ0.91	19.02	17.00	12xØ1.00	0.83	21.26	10.63	¾" BSP	3.74	1½" BSP	31.38	13.54	SK573.1F	3186
350	2.05	13.78	18.11	16xØ0.91	20.87	18.75	12xØ1.13	1.02	25.98	12.99	¾" BSP	4.41	1½" BSP	33.54	14.92	SK673.1F	4514

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