

ROTARY VALVE - MLD

Technical data standard configuration

GENERAL DATA

FLANGE CONNECTION	One round/one square						
	Round PN 10 or ANSI 150 lbs						
MAXIMUM ALLOWABLE WORKING PRESSURE	up to 1 barg						
ALLOWABLE CONVEYING PRODUCT TEMPERATURE	-20°C up to 65°C						
ATEX 2014/34/EU	1D/2GD Equipment						
	(If required please specify on order)						
SIZE MLD	100	150	200	250	300	350	400
CAPACITY LTR/REV.	0.8	2.5	5.5	10.5	19	34	58

* Capacity per revolution at 100% filling

Vent holes in housing optional

SIZE MLD	100	150	200	250-300	350-400
VENT HOLE CONNECTION	1/2"	3/4"	1"	1 1/4"	1 1/2"

Air purge connection in end covers

SIZE MLD	100	150-300	350-400
AIR PURGE CONNECTION	1/8"	1/4"	3/8"

MATERIAL SPECIFICATIONS

CAST HOUSING/END COVERS	Stainless steel 316	DIN 1.4408
	Cast iron EN-GJL-250	DIN 0.6025
ROTOR FIXED 8 VANES CHAMFERED		
ROTOR WITH REPLACEABLE AND ADJUSTABLE BLADES 8	(Size MLD 100 rotor fixed 6 vanes)	
ROTOR FABRICATED	Stainless steel 316L	DIN 1.4404
	Mild steel	
ROTOR BLADES	Thickness blade 3mm	Steel
		Steel hardened
		Stainless steel
		Polyurethane (90° Shore)
SRAPER BLADES	Thickness blade 3mm	Steel hardened
SHAFT SEAL		Stainless steel with PVD coating
COATING	Glandpacking by means of lipseals	
	Air purge by means of lipseal	
	Hard chromium plated internally	(Thickness 0.03mm)
BEARING	Electroless nickel plated internally	(Thickness 0.04mm)
	Inboard ball-bearing sealed for life	

Standard direct drives MLD series

	SHAFT	FLANGE	NORD	SEW
MLD 100	Ø 20mm	120mm	SK172.1-F	RF17
MLD 150	Ø 25mm	120mm	SK373.1-F	RF37
MLD 200	Ø 25mm	120mm	SK373.1-F	RF37
MLD 250	Ø 30mm	160mm	SK573.1-F	RF47
MLD 300	Ø 30mm	160mm	SK573.1-F	RF47
MLD 350	Ø 35mm	200mm	SK573.1-F/SK673.1-F	RF57/RF67
MLD 400	Ø 35mm	200mm	SK573.1-F/SK673.1-F	RF57/RF67

DRIVE SPECIFICATIONS

 * Minimum advised Torque [Nm] required.

SIZE MLD	100	150	175	200	250	300	350
50Hz	70	110	150	210	285	410	560
FREQUENCY CONTROLLED (10-60Hz)	95	150	205	285	385	555	755

