

ROTARY VALVE - MALD

Technical data standard configuration

GENERAL DATA

FLANGE CONNECTION	Round PN 10 or ANSI 150 lbs (MALD 100 round PN 6)						
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 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

Vent holes in housing optional

SIZE MALD	100	150	175	200-250	300-350
VENT HOLE CONNECTION	1/2"	3/4"	1"	1 1/4"	1 1/2"

Air purge connection in end covers

SIZE MALD	100	150	175
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
	Aluminium LM25 TF7	DIN 3.2371
ROTOR FIXED 8 VANES CHAMFERED		
ROTOR WITH REPLACEABLE AND ADJUSTABLE BLADES 8	(Size MALD 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
		Stainless steel with PVD coating
SHAFT SEAL	Glandpacking by means of lipseals	
	Air purge by means of lipseal	
COATING	Hard chromium plated internally	(Thickness 0.03mm)
	Electroless nickel plated internally	(Thickness 0.04mm)
BEARING	Inboard ball-bearing sealed for life	

DRIVE SPECIFICATIONS

 * Minimum advised Torque [Nm] required.

SIZE MALD	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

Standard direct drives MALD series

	SHAFT	FLANGE	NORD	SEW
MALD 100	Ø 20mm	120mm	SK172.1-F	RF17
MALD 150	Ø 25mm	120mm	SK373.1-F	RF37
MALD 175	Ø 25mm	120mm	SK373.1-F	RF37
MALD 200	Ø 30mm	160mm	SK573.1-F	RF47
MALD 250	Ø 30mm	160mm	SK573.1-F	RF47
MALD 300	Ø 35mm	200mm	SK573.1-F/SK673.1-F	RF57/RF67
MALD 350	Ø 35mm	200mm	SK573.1-F/SK673.1-F	RF57/RF67

