

ROTARY VALVE - AML

Technical data standard configuration

GENERAL DATA

FLANGE CONNECTION	one square/one round						
	Round PN 10 or ANSI 150 lbs						
	(Size AML100 PN 6)						
MAXIMUM ALLOWABLE WORKING PRESSURE	up to 2 barg						
ALLOWABLE CONVEYING PRODUCT TEMPERATURE	up to 150°C						
ATEX 2014/34/EU	1D/2GD Equipment						
	Protective system St.2 (10 bar P _{max})						
	Flameproof in both directions						
SIZE AML	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 AML	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 AML	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 9 VANES	(Size AML100 rotor fixed 6 vanes)	
ROTOR WITH REPLACEABLE AND ADJUSTABLE BLADES 9		
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
KNIVES	Stainless steel hardened	DIN 1.4112 55-57 HRC
SHAFT SEAL	Gland packing (Depending on application)	
	Air purge by means of lip seal/gland	
OPTIONAL COATINGS	Hard chromium plated internally	Thickness 0.03mm
	Electroless nickel plated internally	Thickness 0.04mm
	Tungsten carbide wear layer	Thickness 0.2mm
	Anodising	
BEARING	Outrigged ball-bearing sealed for life	

DRIVE SPECIFICATIONS * Minimum advised Torque [Nm] required.

SIZE AML	100	150	200	250	300	350	400
50Hz	70	110	150	210	285	410	560
FREQUENCY CONTROLLED (10-60Hz)	95	150	205	285	385	555	755

