

ROTARY VALVE - USAL

Technical data standard configuration

GENERAL DATA

FLANGE CONNECTION	Square		
MAXIMUM ALLOWABLE WORKING PRESSURE	up to 2 barg		
ALLOWABLE CONVEYING PRODUCT TEMPERATURE	up to 150°C		
ATEX 2014/34/EU	1D/2GD Equipment (If required please specify on order)		
SIZE USAL	8"- 200	10"- 250	12"- 300
CAPACITY LTR/REV.	5.5	10.5	19

* Capacity per revolution at 100% filling

Vent holes in housing Type USAL standard pre-drilled in cast iron

SIZE USAL	200	250-300
VENT HOLE CONNECTION	1"	1¼"

Air purge connection in end covers

SIZE USAL	200-300
AIR PURGE CONNECTION	1/4"

MATERIAL SPECIFICATIONS

CAST HOUSING/END COVERS	Cast iron EN-GJL-250	DIN 0.6025
ROTOR FIXED 9 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)
SCRAPER 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 Electroless nickel plated internally Tungsten carbide wear layer	Thickness 0.03mm Thickness 0.04mm Thickness 0.2mm
BEARING	Outrigged ball-bearing sealed for life	

DRIVE SPECIFICATIONS

 * Minimum advised Torque [Nm] required.

SIZE USAL	200	250	300
50Hz	150	210	285
FREQUENCY CONTROLLED (10-60Hz)	205	285	385

