



New in
our range



MD-S ROTARY VALVES



The rotary valve "MD-S" was developed to meet the need for a fully AISI316 stainless-steel valve series featuring standardized UNI PN10 round flanges. It is designed for installations as a explosion-protection device, preventing the risk of propagation.

The rotary valve "MD-S" is in accordance with the restrictive European norms "Explosion Isolation Systems" – EN 15089, with resistance certified until 1,7 bar with vulkollan tips rotor and 2,5 bar with steel tips.

PROPERTIES

- Standard with external supports with outside ball bearings
- Gland packings
- Flanges in accordance to UNI PN10 / DIN2576
- Cutting inlet
- Minimal air leakage
- Equipped with direct-drive gearmotor
- Standard equipped with venting
- Body and covers available in cast iron or stainless steel
- High filling ratio
- Material compatibility for food contact in compliance with EC Regulation n° 1935/2004 available on request
- ATEX version CAT II 1/**D Ex h IIIC T135°C possible (**2 of 3) for use in ATEX zone 21 or 22

TECHNICAL INFORMATION

Type	150	200	250	300
Volume capacity (litres per revolution at a fill of 100%)	3	11	20	37
Number of rotor blades	8	8	8	8
Max. differential pressure	1 bar			
Operating temperature	-15 up to 60 °C (80 °C for metal blades)			

ROTOR VARIANTS

Rotor types			
C	E	E_H/5MM	E_V
			
Straight blades with chamfered tips on all sides	Straight blades with exchangeable rotor tips on all sides	Straight blades with 5mm hardox rotor tips on all sides	Straight blades with Vulkollan (PU) removable blades



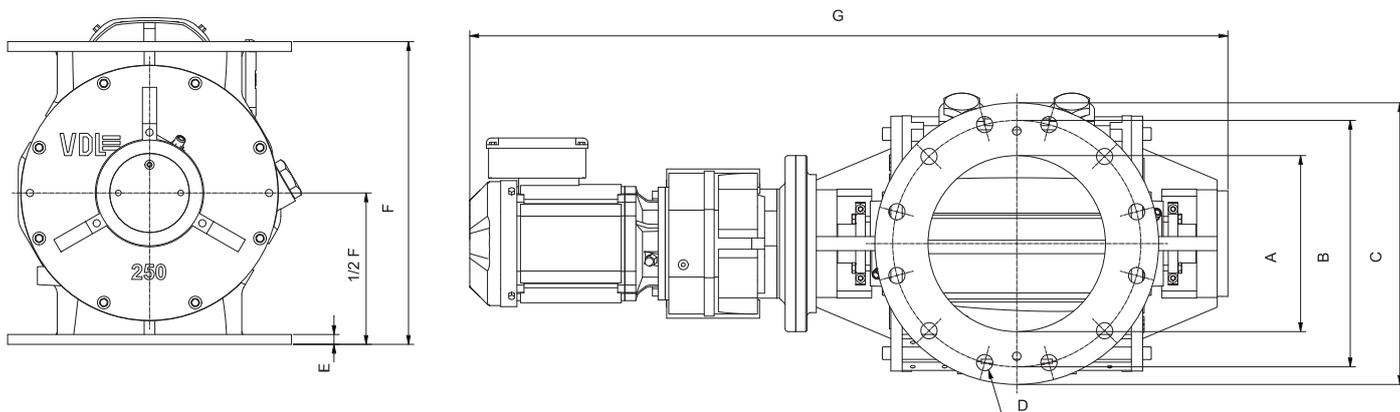
MD-S-EX VERSION: FLAME PROOF AND PRESSURE SURGE-RESISTANT

Our MD-S dosing valves also come in EX certified versions, for use as explosion barrier. The versions with Vulkollan (PU) rotorblades are flame-resistant and explosion proof up to 1.7 bar and the versions with steel or stainless steel rotor blades up to 2.5 bar.

DIMENSIONS, SPEED AND WEIGHT

Type	Sizes (mm)							RPM	Total weight (kg)
	Ø A	Ø B	Ø C	D	E	F	G (*)		
MD-S150	150	240	285	8 x Ø23	13	260	840	max 32	95
MD-S200	200	295	340	8 x Ø23	14	370	956	max 32	165
MD-S250	250	350	395	12 x Ø23	14	430	1069	max 32	215
MD-S300	300	400	445	12 x Ø23	16	500	1242	max 32	310

* These measures might change according to the type of the gearmotor



OPTIONS AND ACCESSORIES



Special drives



Speed monitoring



Seals & flanges



Stainless steel product scrapers



Air purge



Injectors

More options:

- Nickel plating
- Tungsten carbide coating
- Teflon coating
- Polishing (SS only)