

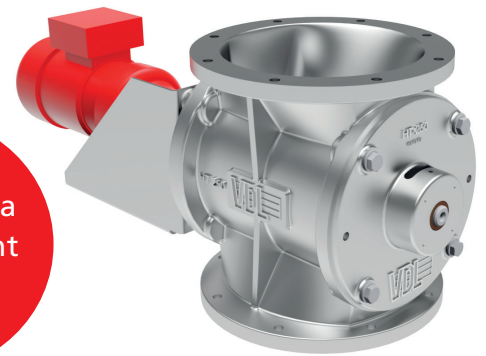
VDL Industrial Products

Part of your solution

HT rotary valve

A rotary valve suitability for use as an air lock under filters and cyclones, as well as for light dosing applications for powders and granules using screw conveyors, weighers, dryers and coolers. This valve is very economical thanks to its simple and robust construction.

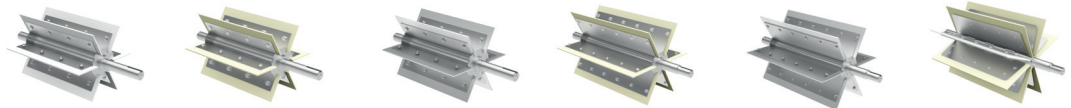
Also available in a heat resistant version up to 200 °C



Properties

- Standard color RAL 5009
- Modular concept with numerous rotor variants
- Maintenance-free sliding bearings (HT450 with ball bearings)
- Can be used with differential pressures up to 0.05 bar (executions with 8 blades up to 0.1 bar)
- HT250/350 interchangeable with HT-S
- Standard cast iron house and covers
- Many available options
- This valve range is fitted with a Nord gear motor (0.37 kW – 1.1 kW) as standard
- HT-A version: For use in ATEX zones, our rotary valves can be delivered with EX II 1D/* *D cT4 (**2 or 3D) certification, suitable for use in either ATEX zone 21 or 22.

Rotor variants



Rotor type	1	2	3	4	5	6
Description	Steel/nylon	Steel/Vulkollan (PU)	Steel/spring steel*	Stainless steel 304/Vulkollan (PU)	Stainless steel 304/stainless steel 304 3 mm	Steel/Vulkollan (PU) 4 mm (8 blades)

All blades are removable
* Steel for the HT450 (8 blades)

Technical information

Type	250	350	450
Volume capacity (Liters per revolution at a fill level of 100%)	7	20	35
Number of rotor blades	6 or 8	6 or 8	8

Max. differential pressure	Operating temperature
0.05 bar / 0.1 bar*	-15 to 60°C (80°C for metal blades)

* in the case of 8 rotor blades

HT-EX Version: flame proof and pressure surge-resistant

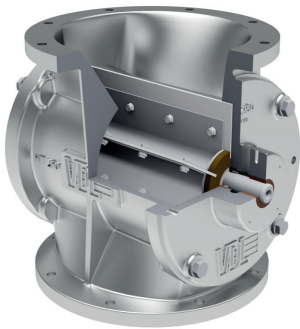
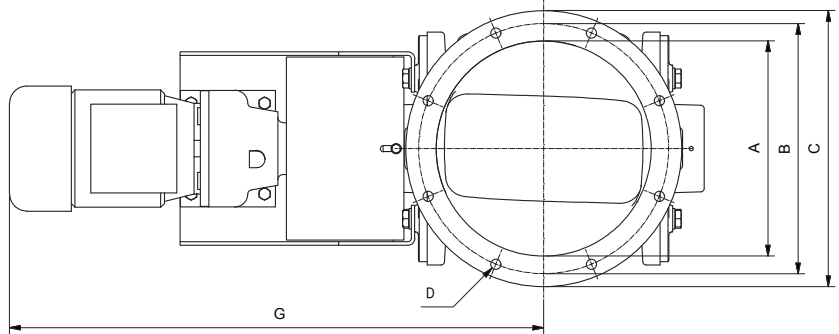
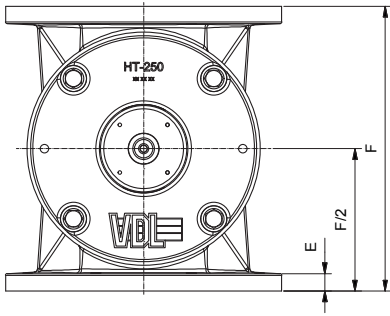
Our HT rotary valves also come in EX certified versions, for use as explosion barrier. The versions with Vulkollan (PU) rotorblades are flame-resistant and explosion proof up to 1.7 bar. Standard finish: RAL 3020.

Certification: CE₀₅₈₈

HT rotary valve

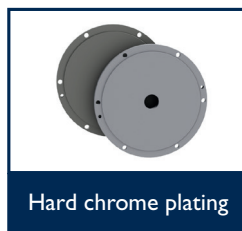
Dimensions, speed and weight

Type	Size (mm)							Speed (rpm)	Weight (kg)
	∅ A	∅ B	∅ C	D	E	F	G		
HT250	250	290	320	8 x ∅12	20	330	620	31	80
HT350	340	390	420	8 x ∅12	20	400	670	31	115
HT450	420	490	525	8 x ∅12	20	500	850	26	220



You can find more information about our rotary valves in our catalogue

Options & accessories



More options
 rotor polishing
 teflon coatings
 wear-resistant coating
 special rotorblades