

MD Series with Quick-Clean RotorRail™

Rotary Valve for Metering, Feeding and Airlock Applications



The sanitary MD Series valves, with ACS RotorRail™ quick-clean design, also have multiple Run-Clean™ features that reduce material buildup inside the housing during operation.

Features & Benefits

- Tool-less, single-step access to rotor and internal surfaces; simplifying cleaning, validation, and inspection.
- RotorRail™ feature maintains rotor and endplate alignment during dis-assembly; ensures fast and accurate rotor and endplate re-alignment during re-assembly.
- Available in 4 heights, from 10 5/8" H to 18 3/8" H; and 4 flange diameters from 4" to 18".
- CNC-machined components and housing provide precision tolerances; eliminates axial shaft movement, extends maintenance cycles.
- Outboard bearing design protects bearings in high-temperature and high-PSIG applications; removes bearings from direct path of damaging contaminants.
- Easily manages pressure differentials up to 15 PSIG.
- Excellent performance in high-temperature applications up to 500°F.
- 8-vane rotor with beveled tips and sides.
- Direct-drive motor package.

Options

- 304 or 316 cast stainless steel valve housing.
- Square inlet / outlet flange.
- No. 4 finish on internal product contact surfaces of housing, and all rotor surfaces.
- Interior coatings: hard chrome, tungsten, nickel, and epoxy.
- Rotor types: closed-end, metering, shallow-pocket, adjustable-tip, and Teflon®-coated.
- Adjustable rotor tip types: hardened steel, stainless steel, and bronze.
- Shaft seal types: ACST-4™ glandless Teflon® shaft seal, and packing gland.
- Valve housing vent ports.
- Shaft seal and rotor pocket air purge.
- 6-vane, 10-vane, or 12-vane rotor.
- Custom drive packages.
- Application-specific accessories: blow-through adapter, shear plate deflector, surge hopper, motion speed switch assembly.

Rotary Valve Capacity (Cubic Feet/Hr.)											
Valve Size (inches)	6	8	10	12	14	16	18	20	22		
	6	6	30	48	60	72	84	96	108	120	132
	8	12	60	96	120	144	168	192	216	240	264
	10	24	120	192	240	288	336	384	432	480	528
	16	45	225	360	450	540	630	720	810	900	990
	1	5	8	10	12	14	16	18	20	22	
	Rotor Speed (RPM)										

Capacities shown are based on 100% pocket-fill efficiency. Pocket-fill efficiencies vary by application. To ensure optimal efficiency, contact ASC Valves.