

MD Series

Rotary Valve for Metering, Feeding and Airlock Applications



The MD Series valves, with ACS RotorRail™ quick-clean design, provide tool-less, single-step access to rotor and internal surfaces.

Features & Benefits

- Available in 7 heights, from 7 3/8" H to 23 1/2" H; and 7 flange diameters from 4" to 16".
- Valve housing cast in North America; ensures superior strength and solidification of housing's metallurgy.
- 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; with super-duty series up to 22 PSIG.
- Excellent performance in high-temperature applications up to 750°F.
- Cast iron housing.
- 8-vane rotor with beveled tips and sides.

Options

- 304 or 316 cast stainless steel valve housing.
- RotorRail™ feature provides tool-less access to rotor and internal surfaces; speeds cleaning and inspection; ensures fast, accurate rotor and endplate re-alignment.
- 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: EPDM rubber, polyurethane, 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.



800-655-3447 | acsvalves.com

Rotary Valve Capacity (Cubic Feet/Hr.)

| | 2 | 8 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 |
|---------------------|----|-----|-----|-----|------|------|------|------|------|------|
| 4 | 2 | 8 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 |
| 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 |
| 12 | 45 | 225 | 360 | 450 | 540 | 630 | 720 | 810 | 900 | 990 |
| 14 | 66 | 330 | 528 | 660 | 792 | 924 | 1056 | 1188 | 1320 | 1452 |
| 16 | 84 | 420 | 672 | 840 | 1008 | 1176 | 1344 | 1512 | 1680 | 1848 |
| Valve Size (inches) | 1 | 5 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 |

Rotor Speed (RPM)