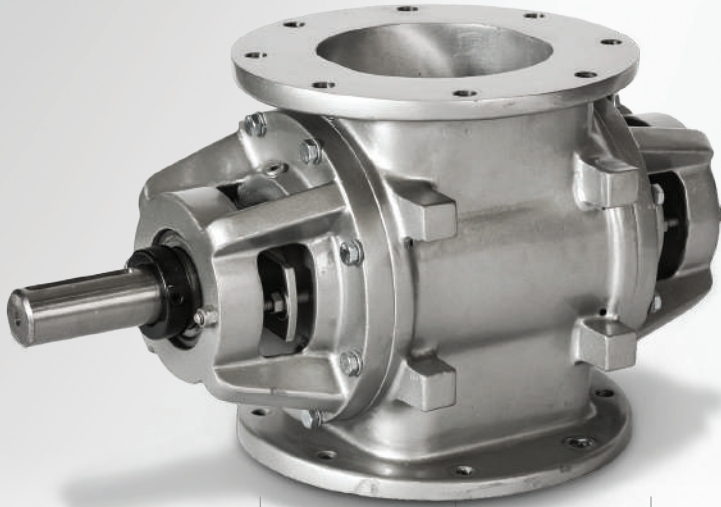


MD Series

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.



SECTOR INDUSTRIES:



Plastics



Pet Food



Construction



Food



Pharmaceutical and Cosmetics



Chemical

FEATURES

- | | |
|---|--|
| <ul style="list-style-type: none"> Available in 7 heights, from 7 3/8"H to 23 1/2"H; and 7 flange diameters from 4" to 16". | <ul style="list-style-type: none"> Easily manages pressure differentials up to 15 PSIG; with super-duty series up to 22 PSIG. |
| <ul style="list-style-type: none"> Valve housing cast in North America; ensures superior strength and solidification of housing's metallurgy. | <ul style="list-style-type: none"> Excellent performance in high-temperature applications up to 750°F. |
| <ul style="list-style-type: none"> CNC-machined components and housing provide precision tolerances; eliminates axial shaft movement, extends maintenance cycles. | <ul style="list-style-type: none"> Cast iron housing. |
| <ul style="list-style-type: none"> Outboard bearing design protects bearings in high-temperature and high-PSIG applications; removes bearings from direct path of damaging contaminants. | <ul style="list-style-type: none"> 8-vane rotor with beveled tips and sides. |

SPECIFICATIONS:

INLET/OUTLET FLANGE SIZES:

7 sizes from 4" to 16"

MATERIAL OF CONSTRUCTION:

Cast Iron, Stainless Steel

PRESSURE DIFFERENTIAL:

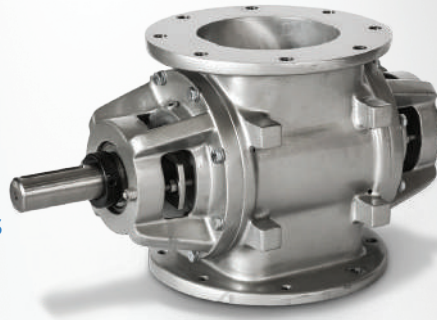
Up to 22 PSIG

HIGH TEMPERATURE RANGE:

750°F

MD Series

Rotary Valve for Metering,
Feeding and Airlock Applications



OPTIONS

- | | |
|--|--|
| <ul style="list-style-type: none"> • 304 or 316 cast stainless steel valve housing. | <ul style="list-style-type: none"> • Shaft seal types: ACST-4™ glandless Teflon® shaft seal, and packing gland. |
| <ul style="list-style-type: none"> • RotorRail™ feature provides tool-less access to rotor and internal surfaces; speeds cleaning and inspection; ensures fast, accurate rotor and endplate re-alignment. | <ul style="list-style-type: none"> • Valve housing vent ports. |
| <ul style="list-style-type: none"> • No. 4 finish on internal product contact surfaces of housing, and all rotor surfaces. | <ul style="list-style-type: none"> • Shaft seal and rotor pocket air purge. |
| <ul style="list-style-type: none"> • Interior coatings: hard chrome, tungsten, nickel, and epoxy. | <ul style="list-style-type: none"> • 6-vane, 10-vane, or 12-vane rotor. |
| <ul style="list-style-type: none"> • Rotor types: closed-end, metering, shallow-pocket, adjustable-tip, and Teflon®-coated. | <ul style="list-style-type: none"> • Custom drive packages. |
| <ul style="list-style-type: none"> • Adjustable rotor tip types: EPDM rubber, polyurethane, hardened steel, stainless steel, and bronze. | <ul style="list-style-type: none"> • Application-specific accessories: blow-through adapter, shear plate deflector, surge hopper, motion speed switch assembly. |

ROTARY VALVE CAPACITY (cubic feet/hour)

VALVE SIZE (INCHES)	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
	1	5	8	10	12	14	16	18	20	22	
ROTARY SPEED (RPM)											

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