

Sanitary MD Series

with Quick-Clean RotorRail™

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

- Stainless steel valve housing, cast in North America, ensures superior housing solidification and metallurgy; eliminates pits and dimples where contaminants could accumulate.
- Product contact surfaces of the housing, and all rotor surfaces, are a No. 4 finish.
- 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 20 PSIG.
- Excellent performance in high-temperature applications up to 500°F.
- 8-vane rotor with beveled tips and sides.
- Direct-drive motor package.

SPECIFICATIONS:

INLET/OUTLET
FLANGE SIZES:

4 sizes from 6" to 18"

MATERIAL OF
CONSTRUCTION:

Stainless Steel

PRESSURE
DIFFERENTIAL:

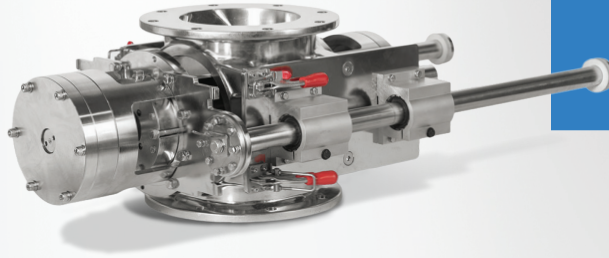
Up to 20 PSIG

HIGH TEMPERATURE
RANGE:

500°F

Sanitary MD Series

with Quick-Clean RotorRail™



ACS
VALVES

OPTIONS

- | | |
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| <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"> • Square inlet / outlet flange. | <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: 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)	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
	15	45	225	360	450	540	630	720	810	900	990
	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.