

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

- | | |
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| <ul style="list-style-type: none"> Stainless steel valve housing, cast in North America, ensures superior housing solidification and metallurgy; eliminates pits and dimples where contaminants could accumulate. | <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"> Product contact surfaces of the housing, and all rotor surfaces, are a No. 4 finish. | <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"> Tool-less, single-step access to rotor and internal surfaces; simplifying cleaning, validation, and inspection. | <ul style="list-style-type: none"> Easily manages pressure differentials up to 15 PSIG. |
| <ul style="list-style-type: none"> RotorRail™ feature maintains rotor and endplate alignment during dis-assembly; ensures fast and accurate rotor and endplate re-alignment during re-assembly. | <ul style="list-style-type: none"> Excellent performance in high-temperature applications up to 500°F. |
| <ul style="list-style-type: none"> Available in 7 heights, from 7 3/8"H to 23"H; and 7 flange inside diameters from 4" to 15". | <ul style="list-style-type: none"> 8-vane rotor with beveled tips and sides. |
| | <ul style="list-style-type: none"> Direct-drive motor package. |

SPECIFICATIONS:

INLET/OUTLET
FLANGE SIZES:

7 sizes from 4" to 15"

MATERIAL OF
CONSTRUCTION:

Stainless Steel

PRESSURE
DIFFERENTIAL:

Up to 15 PSIG

HIGH TEMPERATURE
RANGE:

500°F

Sanitary MD Series

with Quick-Clean RotorRail™



ACS

VALVES

OPTIONS

- | | |
|---|--|
| <ul style="list-style-type: none"> • 304, 304L, 316, 316L, or 2205 cast stainless steel valve housing. | <ul style="list-style-type: none"> • Shaft seal and rotor pocket air purge. |
| <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"> • 6-vane or 10-vane. |
| <ul style="list-style-type: none"> • Rotor types: closed-end, metering, shallow-pocket, and Teflon®-coated. | <ul style="list-style-type: none"> • Custom drive packages. |
| <ul style="list-style-type: none"> • Shaft seal types: ACST-4™ glandless Teflon® shaft seal, and packing gland. | <ul style="list-style-type: none"> • Application-specific accessories: blow-through adapter, shear plate deflector, surge hopper, motion speed switch assembly. |
| <ul style="list-style-type: none"> • Valve housing vent ports. | |

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.