

CI Series

Rotary Valve for Metering, Feeding and Airlock Applications

The CI Series rotary valves are also available in sanitary 304 or 316 cast stainless steel models. Sanitary CI Series models also offer the ACS RotorRail™ quick-clean feature.



SECTOR INDUSTRIES:



Plastics



Pet Food



Construction



Food



Pharmaceutical and Cosmetics



Chemical

FEATURES

- Available in 11 heights, from 10"H to 44"H; and 11 square-flange sizes from 6" to 26".
- 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.
- 8-vane rotor with beveled tips and sides.

UNIFORM FEED OPTION

Staggered Rotor Pocket

- 16 offset pockets ensure a continuous and uniform flow rate to the conveying line
- More accurate rate of material flow

SPECIFICATIONS:

INLET/OUTLET FLANGE SIZES:

11 sizes from 6" to 26"

MATERIAL OF CONSTRUCTION:

Cast Iron, Stainless Steel

PRESSURE DIFFERENTIAL:

Up to 20 PSIG

HIGH TEMPERATURE RANGE:

750°F

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ACS VALVES

OPTIONS

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| <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 types: ACST-4™ glandless Teflon® shaft seal, and packing gland. |
| <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"> • Valve housing vent ports. |
| <ul style="list-style-type: none"> • Interior coatings: hard chrome, tungsten, nickel, and epoxy. | <ul style="list-style-type: none"> • Shaft seal and rotor pocket air purge. |
| <ul style="list-style-type: none"> • Rotor types: closed-end, metering, shallow-pocket, adjustable-tip, and Teflon®-coated. | <ul style="list-style-type: none"> • 6-vane, 10-vane, or 12-vane rotor. |
| <ul style="list-style-type: none"> • Adjustable rotor tip types: EPDM rubber, polyurethane, mild steel, AR400 steel, stainless steel, and bronze. | <ul style="list-style-type: none"> • Custom drive packages. |
| | <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
	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
	16T	120	600	960	1200	1440	1680	1920	2160	2400	2640
	18	162	810	1296	1620	1944	2268	2592	2916	3240	3564
	22	276	1380	2208	2760	3312	3864	4416	4968	5520	6072
	24	384	1920	3072	3840	4608	5376	6144	6912	7680	8448
26	540	2700	4320	5400	6480	7560	8640	9720	10800	11880	
	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.