

# CI Series

with Quick-Clean RotorRail™

**Rotary Valve for Metering, Feeding and Airlock Applications**

Tool-less, single-step access to rotor and internal surfaces; simplifying cleaning, validation, and inspection.



### SECTOR INDUSTRIES:



Plastics



Pet Food



Construction



Food



Pharmaceutical  
and Cosmetics



Chemical

### FEATURES

- 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 9 heights, from 10"H to 44"H; and 9 flange inside diameters from 6" x 6" to 22" to 22".
- 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.
- 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:

9 sizes from 6" to 22"

MATERIAL OF  
CONSTRUCTION:

Cast Iron,  
Stainless Steel

PRESSURE  
DIFFERENTIAL:

Up to 15 PSIG

HIGH TEMPERATURE  
RANGE:

500°F

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Feeding and Airlock Applications



ACS  
VALVES

OPTIONS

- |  |  |
|--|--|
| <ul style="list-style-type: none"><li>• 304, 304L, 316, 316L, or 2205 cast stainless steel valve housing.</li></ul>  | <ul style="list-style-type: none"><li>• Shaft seal types: ACST-4™ glandless Teflon® shaft seal, and packing gland.</li></ul>   |
| <ul style="list-style-type: none"><li>• No. 4 finish on internal product contact surfaces of housing, and all rotor surfaces.</li></ul>                        | <ul style="list-style-type: none"><li>• Valve housing vent ports.</li></ul>  |
| <ul style="list-style-type: none"><li>• Interior coatings: hard chrome, tungsten, nickel, and epoxy.</li></ul>   | <ul style="list-style-type: none"><li>• Shaft seal and rotor pocket air purge.</li></ul>   |
| <ul style="list-style-type: none"><li>• Rotor types: closed-end, metering, shallow-pocket, adjustable-tip, and Teflon®-coated.</li></ul>                       | <ul style="list-style-type: none"><li>• 6-vane, 10-vane, or 12-vane rotor.</li></ul>   |
| <ul style="list-style-type: none"><li>• Adjustable rotor tip types: EPDM rubber, polyurethane, mild steel, AR400 steel, stainless steel, and bronze.</li></ul> | <ul style="list-style-type: none"><li>• Custom drive packages.</li></ul>   |
|  | <ul style="list-style-type: none"><li>• Application-specific accessories: blow-through adapter, shear plate deflector, surge hopper, motion speed switch assembly.</li></ul> |

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	3364
	22	276	1380	2208	2760	3312	3864	4416	4968	5520	6072
		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.