

CDC-CI Series

Rotary Valve for Metering, Feeding and Airlock Applications



Features & Benefits

- Available in 4 heights, from 12" to 25"; and 4 flange diameters from 6" to 12".
- This ACS Valves Pre-fit Performance™ Series valve enables simple and fast drop-in replacement of Carter Day® type CI rotary valves.
- Large housing barrel enables 3-times more material throughput (CFR) than conventional valve housings with same flange opening.
- 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.
- Easily manages pressure differentials up to 15 PSIG.
- Excellent performance in high-temperature applications up to 500°F.
- Cast iron housing.
- 8-vane rotor comes complete with beveled tips and sides.
- Unique shaft seal design results in lowered maintenance and downtime costs.
- Round flanges aid material flow, improve cleaning.

Options

- 304 or 316 cast stainless steel valve housing.
- Interior coatings: hard chrome, tungsten, and nickel.
- Rotor types: closed-end, metering, shallow-pocket, adjustable-tip, and Teflon®-coated.
- Adjustable rotor tip types: EPDM rubber, polyurethane, hardened steel, stainless steel, and bronze.
- Shaft seal types: ACST-4™ glandless Teflon® shaft seal, and packing gland.
- Valve housing vent ports.
- 6-vane, 10-vane, or 12-vane rotor.
- Direct-drive and custom drive packages.
- Application-specific accessories: blow-through adapter, shear plate deflector, surge hopper, motion speed switch assembly.

		Rotary Valve Capacity (Cubic Feet/Hr.)									
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
		1	5	8	10	12	14	16	18	20	22
		Rotor Speed (RPM)									

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