

# CDC-CI Series

Rotary Valve for Metering,  
Feeding, and Airlock Applications



**SECTOR INDUSTRIES:**



Plastics



Pet Food



Construction



Food



Pharmaceutical  
and Cosmetics



Chemical

**FEATURES**

- 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, complete with beveled tips and sides.
- Unique shaft seal design results in lowered maintenance and downtime costs.
- Round flanges aid material flow, improve cleaning.

**SPECIFICATIONS:**

INLET/OUTLET  
FLANGE SIZES:

4 sizes from 6" to 12"

MATERIAL OF  
CONSTRUCTION:

Cast Iron,  
Stainless Steel

PRESSURE  
DIFFERENTIAL:

Up to 15 PSIG

HIGH TEMPERATURE  
RANGE:

500°F

# CDC-CI Series



**ACS**  
VALVES

## OPTIONS

- |   |  |
|---|--|
| <ul style="list-style-type: none"><li>• 304 or 316 cast stainless steel valve housing.</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, and nickel.</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>• Rotor types: closed-end, metering, shallow-pocket, adjustable-tip, and Teflon®-coated.</li></ul>              | <ul style="list-style-type: none"><li>• Direct-drive and custom drive packages.</li></ul>  |
| <ul style="list-style-type: none"><li>• Adjustable rotor tip types: EPDM rubber, polyurethane, hardened steel, stainless steel, and bronze.</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> |
| <ul style="list-style-type: none"><li>• Shaft seal types: ACST-4™ glandless Teflon® shaft seal, and packing gland.</li></ul>                          |  |