

ACS VALVES

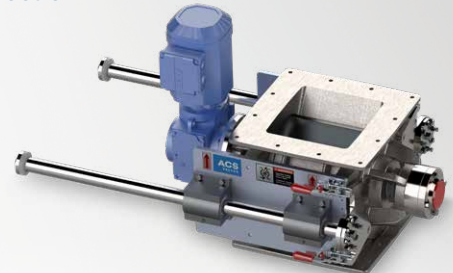
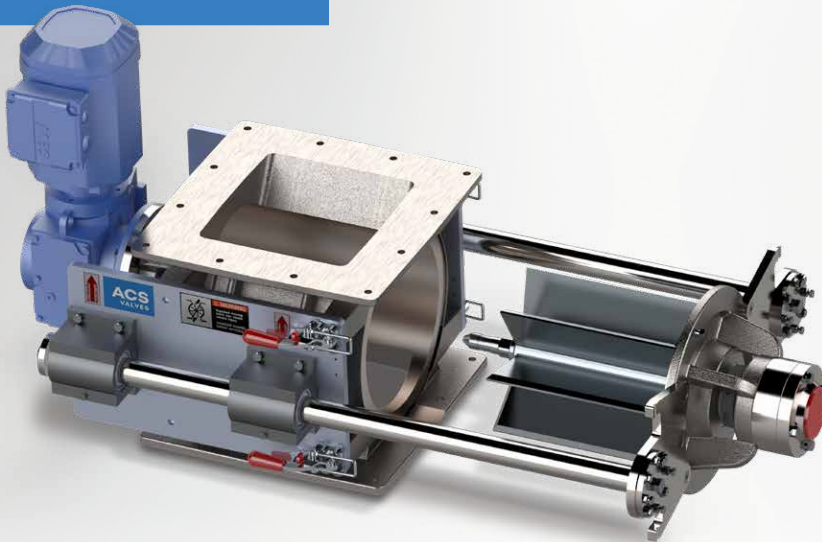
Product Specifications

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 8 heights, from 10"H to 30"H; and 8 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:

4 sizes from 4" to 18"

MATERIAL OF
CONSTRUCTION:

Cast Iron,
Stainless Steel

PRESSURE
DIFFERENTIAL:

Up to 15 PSIG

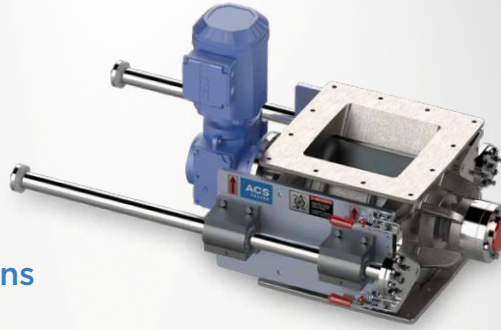
HIGH TEMPERATURE
RANGE:

500°F

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Rotary Valve for Metering,
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ACS

VALVES

OPTIONS

- | | |
|--|--|
| <ul style="list-style-type: none"> • 304 or 316 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"> • Square inlet / outlet flange. | <ul style="list-style-type: none"> • Valve housing vent ports. |
| <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"> • Shaft seal and rotor pocket air purge. |
| <ul style="list-style-type: none"> • Interior coatings: hard chrome, tungsten, nickel, and epoxy. | <ul style="list-style-type: none"> • 6-vane, 10-vane, or 12-vane rotor. |
| <ul style="list-style-type: none"> • Rotor types: closed-end, metering, shallow-pocket, adjustable-tip, and Teflon®-coated. | <ul style="list-style-type: none"> • Custom drive packages. |
| <ul style="list-style-type: none"> • Adjustable rotor tip types: hardened steel, stainless steel, and bronze. | <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 |
| | 16 | 45 | 225 | 360 | 450 | 540 | 630 | 720 | 810 | 900 | 990 |
| | 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.