

# Hey material, meet our valves.

ACS VALVES PRODUCT INFORMATION SHEET

2017

The logo consists of the letters 'ACS' in a large, bold, blue sans-serif font, with the word 'VALVES' in a smaller, blue sans-serif font directly below it. The logo is contained within a white square.

**ACS**  
VALVES

“The sidewalks you step on, the spices you cook with and the chow you feed your dog. We have our valves conveying so many different products that we’ve made a point of becoming experts on a wide-range of materials. But that’s just the type of company we are: Comprehensive and extremely helpful. This is how we make sure you’re producing high-quality products, every time.”

- Megan Thompson  
President ACS Valves



## Sleeve-style Teflon® shaft seal



**Reduces wear and extends service life.** This sleeve-style shaft seal design reduces rotary valve total cost-in-use by providing immediate maintenance savings and extending valve life. Features include:

TRIPLE-BARRIER, FOUR-LOBED SEALS THAT REQUIRE NO ADJUSTING OR MAINTENANCE

0.0000464" SLEEVE-TO-SHAFT TOLERANCE THAT PREVENTS LEAKAGE

SOLID TEFLON® SHAFT SLEEVE THAT ELIMINATES GLAND PACKING AND PUSHER PLATE ADJUSTMENTS

## Sanitary CDC-CI Series

The Sanitary CDC-CI series drop-in valve is designed for applications that require very high-volume material throughput. It features an enlarged housing barrel and comes in cast-iron, 304 or 316 stainless steel for increased sanitation.



Plastics



Pet Food



Construction



Food



Pharmaceutical  
and Cosmetics



Chemical



### Specifications:

**INLET/OUTLET  
FLANGE SIZES:**  
4 sizes from 6" to 12"

**MATERIAL OF  
CONSTRUCTION:**  
Stainless Steel

**PRESSURE  
DIFFERENTIAL:**  
Up to 15 PSIG

**HIGH TEMPERATURE  
RANGE:**  
500°F

## Sanitary MD with Quick-Clean RotorRail™

The MD Series valves, with ACS RotorRail™ quick-clean design, provide tool-less, single-step access to rotor and internal surfaces.



Plastics



Pet Food



Construction



Food



Pharmaceutical  
and Cosmetics



Chemical



### Specifications:

**INLET/OUTLET  
FLANGE SIZES:**  
4 sizes from 6" to 18"

**MATERIAL OF  
CONSTRUCTION:**  
Stainless Steel

**PRESSURE  
DIFFERENTIAL:**  
Up to 20 PSIG

**HIGH TEMPERATURE  
RANGE:**  
500°F

## Aero-Flow™ Series

The Aero-Flow Series valves are built to application-specific requirements, including: custom rotor configurations, factory-applied internal coatings, and sanitary materials of construction.



Plastics



Pet Food



Construction



Food



Pharmaceutical  
and Cosmetics



Chemical



### Specifications:

**INLET/OUTLET  
FLANGE SIZES:**  
4 sizes from 6 5/8" x  
6 3/4" x 25 1/4" x 12"

**MATERIAL OF  
CONSTRUCTION:**  
Cast Iron,  
Stainless Steel

**PRESSURE  
DIFFERENTIAL:**  
Up to 20 PSIG

**HIGH TEMPERATURE  
RANGE:**  
750°F

## CI Series

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.



Plastics



Pet Food



Construction



Food



Pharmaceutical  
and Cosmetics



Chemical



### Specifications:

**INLET/OUTLET  
FLANGE SIZES:**  
10 sizes from  
6" to 26"

**MATERIAL OF  
CONSTRUCTION:**  
Cast Iron,  
Stainless Steel

**PRESSURE  
DIFFERENTIAL:**  
Up to 20 PSIG

**HIGH TEMPERATURE  
RANGE:**  
750°F

## BT Series

The BT Series valves ensure optimal bulk density and throughput of hard-to-convey material; a return-side vent vents leaked air, maximizing air flow through the rotor, improving material flow.



Plastics



Pet Food



Construction



Food



Pharmaceutical  
and Cosmetics



Chemical



### Specifications:

**INLET/OUTLET  
FLANGE SIZES:**  
2 sizes, 8" and 10"

**MATERIAL OF  
CONSTRUCTION:**  
Cast Iron,  
Stainless Steel

**PRESSURE  
DIFFERENTIAL:**  
Up to 20 PSIG

**HIGH TEMPERATURE  
RANGE:**  
500°F

## MD Series

For long-term savings, this valve is designed to reduce total lifecycle maintenance requirements. CNC-machined to precise tolerances, we've eliminated axial shaft movement, seal leakage and shortened bearing life.



Plastics



Pet Food



Construction



Food



Pharmaceutical  
and Cosmetics



Chemical



### Specifications:

**INLET/OUTLET  
FLANGE SIZES:**  
4 sizes from 6" to 12"

**MATERIAL OF  
CONSTRUCTION:**  
Cast Iron,  
Stainless Steel

**PRESSURE  
DIFFERENTIAL:**  
Up to 22 PSIG

**HIGH TEMPERATURE  
RANGE:**  
750°F

## Channel Changer Valve

The Channel Changer is a plug type diverter (PTD) valve. It's designed to re-route dry materials without any product degradation, while increasing process efficiency.



Plastics



Pet Food



Construction



Food



Pharmaceutical  
and Cosmetics



Chemical



### Specifications:

**INLET/OUTLET  
FLANGE SIZES:**  
4 sizes from 4" to 8"

**MATERIAL OF  
CONSTRUCTION:**  
Aluminum,  
Stainless Steel

**PRESSURE  
SURGE RATE:**  
10 bar g (145 PSI)

**HIGH TEMPERATURE  
RANGE:**  
215°F

## DR-S Series

The DR-S Series valves are built to application-specific requirements, including: custom rotor configurations, factory-applied internal coatings, and sanitary materials of construction.



Plastics



Pet Food



Construction



Food



Pharmaceutical  
and Cosmetics



Chemical



### Specifications:

**INLET/OUTLET  
FLANGE SIZES:**  
3 sizes from  
7.625" to 11.25"

**MATERIAL OF  
CONSTRUCTION:**  
Cast Iron,  
Stainless Steel

**PRESSURE  
DIFFERENTIAL:**  
Up to 22 PSIG

**HIGH TEMPERATURE  
RANGE:**  
750°F

## Wood Chip Feeder Valve

The Wood Chip Feeder Valve is designed for heavy duty forestry applications. It applies positive shearing action to ensure that wood is not getting stuck between the rotor and barrel. Machined with a stainless steel rotor and chrome coatings, this rotary valve is built to last.



Forestry



Recycling



### Specifications:

**INLET/OUTLET  
FLANGE SIZES:**  
17 sizes

**MATERIAL OF  
CONSTRUCTION:**  
Stainless Steel  
and Chrome

**PRESSURE  
DIFFERENTIAL:**  
15 PSI

**HIGH TEMPERATURE  
RANGE:**  
500°F



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