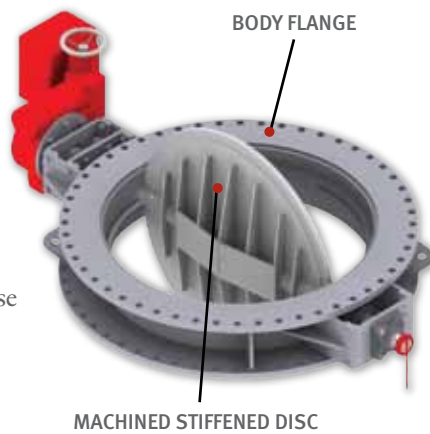


MECS® PROCESS GAS BUTTERFLY VALVES FOR SULFURIC ACID PLANT SERVICE

DAMPERS

HIGHLIGHTS & SPECIFICATIONS:

- Sizes: 4" to 144"
- Pressure Classes 25 to 900 ANSI
- Service temperatures to 1800°F
- Seat configurations to achieve FCI Class IV shutoff
- Polished shafts & live loaded packing glands to eliminate fugitive emissions
- Discs line bored in place to ensure precise shaft alignment
- Manufactured from any forged, cast, or wrought alloy



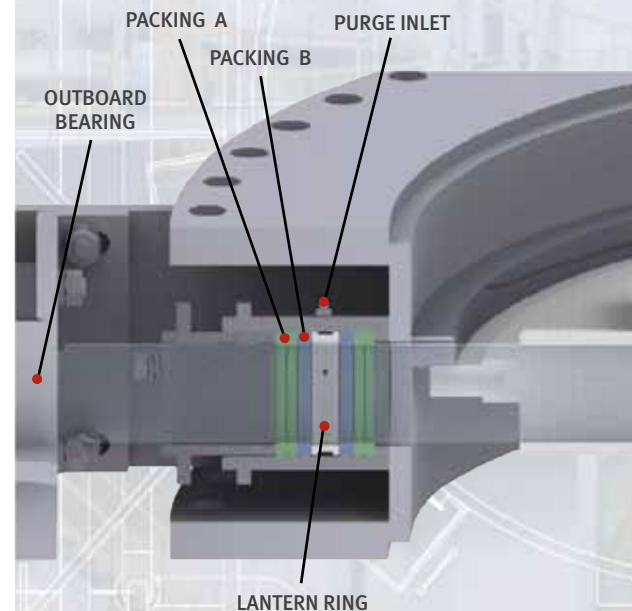
FEATURES AND BENEFITS:

- Designed and fabricated specifically for
 - sulfuric acid plant service
 - high reliability and low maintenance
- Materials of construction specified based on
 - over 100 years of acid plant experience
 - in-depth knowledge of proprietary and commercial alloys
- Actuation packages
 - custom designed for each application
 - sized for highest service reliability



SEVERE SERVICE AND ROBUST DESIGN COMBINED WITH SULFURIC ACID EXPERIENCE, TECHNOLOGY AND PRACTICAL IN-PLANT KNOW HOW

Plant engineers in the know choose MECS®, products and technologies for their high reliability, long service life and ease of maintenance for use in sulfuric acid plants around the world. MECS® Process Gas Valves are specifically engineered to provide improved performance and longevity in sulfuric acid process gas applications. Our valves are fabricated by certified alloy welders, experienced machinists and CAD/CAM equipped precision machine tools using the latest ISO standards for consistent high levels of quality and manufacturing efficiencies. The hazardous and severe service applications in a sulfuric acid plant demand expertise in corrosion resistance, metallurgy, seal/packing materials and integration of effective actuation packages designed around high reliability and value. All MECS® Process Gas Valves embody these critical attributes resulting in a worry free operation and a safe, clean and efficient work place.



DAMPER SHAFT SEAL CROSS SECTION

MECS®
PROCESS GAS VALVES

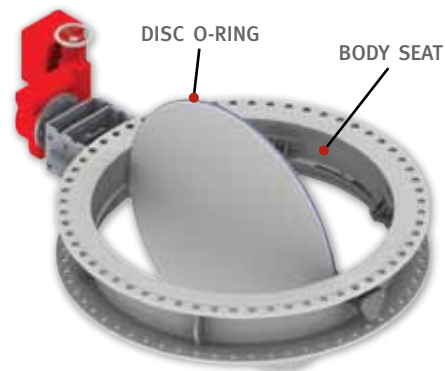
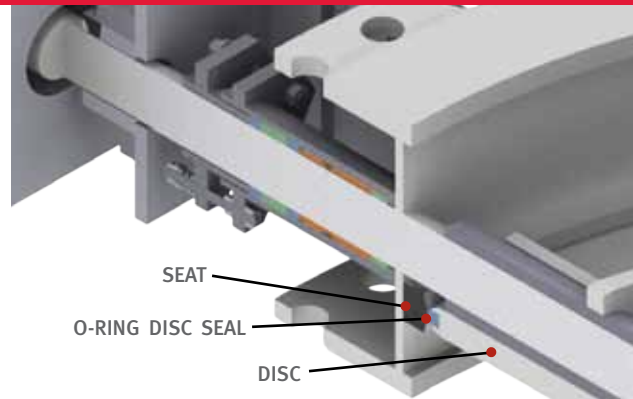
Learn more at www.mecs.dupont.com

MECS® PROCESS GAS BUTTERFLY VALVES

O-RING DISC EDGE

HIGHLIGHTS & SPECIFICATIONS:

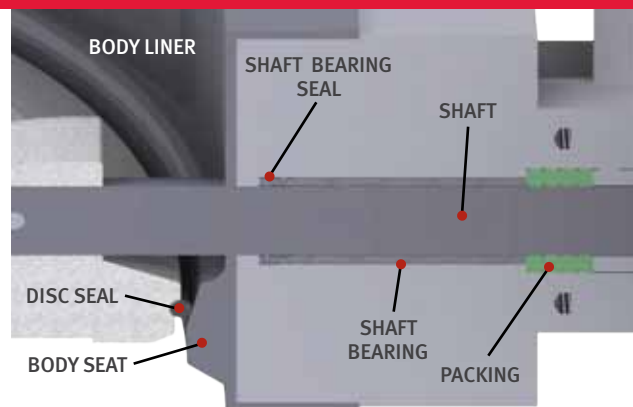
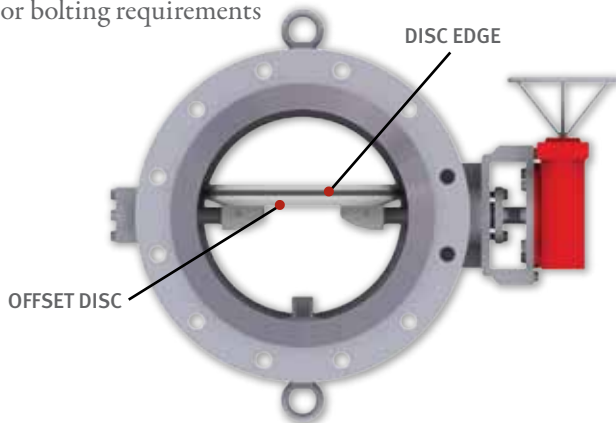
- Interference single offset geometry
- Sizes: 12" to 108"
- Pressure Classes 25 to 150 ANSI
- Service temperatures from -320 to +250°F
- Seat design to achieve FCI 70.2 Class VI shutoff
- Replaceable disc sealing rings
- Available in a wide range of materials to suit most service requirements



RESILIENT DISC EDGE

HIGHLIGHTS & SPECIFICATIONS:

- Double offset geometry
- Sizes: 2" to 108"
- Pressure Classes 125 to 300 ANSI
- Service temperatures from -320 to +250°F
- Seat design to achieve complete shutoff
- Available in a wide range of materials to suit most service requirements
- Custom designed to meet special face to face or bolting requirements

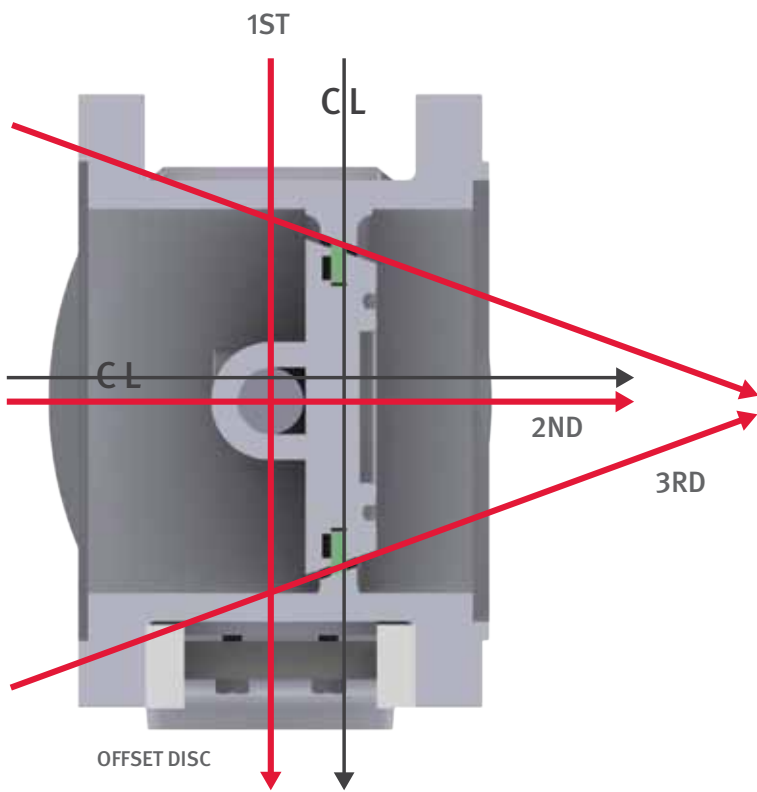
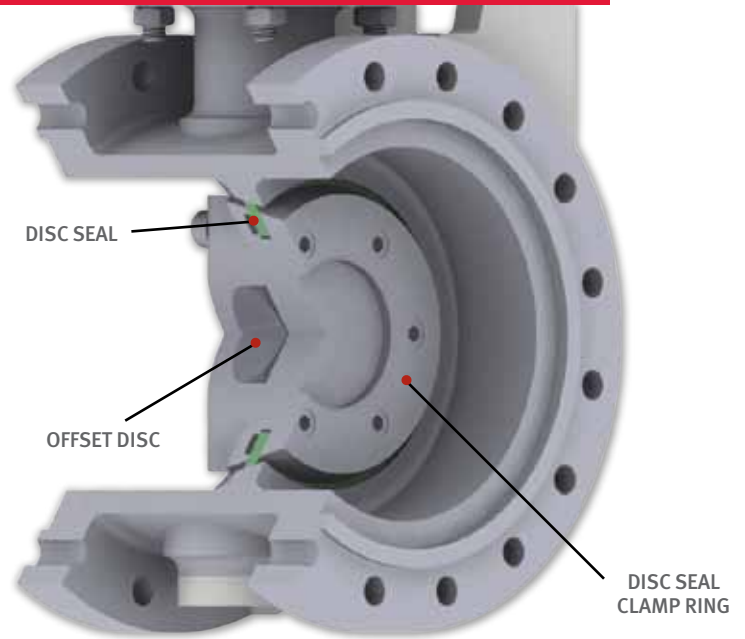


FOR SULFURIC ACID PLANT SERVICE

TRIPLE OFFSET

HIGHLIGHTS & SPECIFICATIONS:

- Triple offset geometry
- Sizes: 2" to 96"
- Pressure Classes 125 to 1500 ANSI
- Service temperatures from -320 to +1600°F
- Seat design to achieve complete shutoff
- Available in a wide range of materials to suit most service requirements
- Custom designed to meet special face to face or bolting requirements



1ST OFFSET – THE CENTER OF ROTATION IS MOVED BACK FROM THE CENTERLINE OF THE VALVE DISC.

2ND OFFSET – THE CENTER OF ROTATION IS MOVED FROM THE CENTERLINE OF THE BODY.

3RD OFFSET – THE CENTER OF CONE IS ROTATED FROM THE CENTERLINE OF THE BODY.

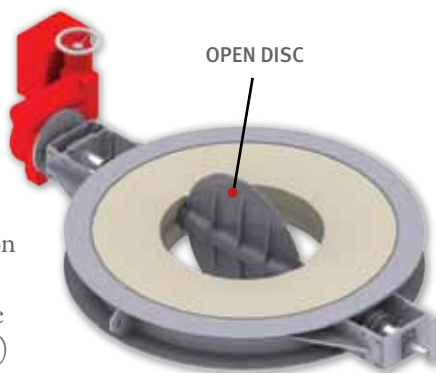


MECS® PROCESS GAS BUTTERFLY VALVES FOR SULFURIC ACID PLANT SERVICE

REFRACTORY LINED

HIGHLIGHTS & SPECIFICATIONS:

- Sizes - 12" to 144"
- Service temperatures to 2300°F
- Purged or live loaded packing glands eliminate fugitive emissions
- Precise shaft alignment minimizes shaft seal wear and ensures long term trouble free operation
- In-line replaceable housing to protect shaft
- Steam traced shafts for sulfur bearing gas service
- Seat designs to achieve FCI 70.2 Class II (99.5%) shutoff



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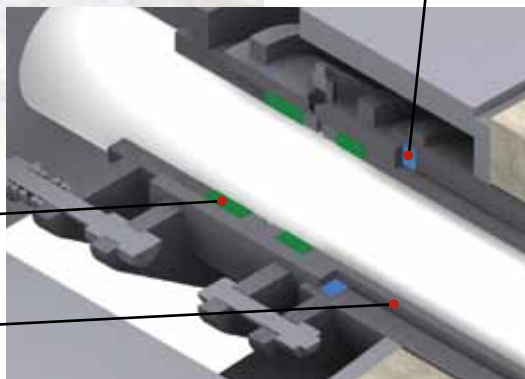
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SLEEVE GASKET

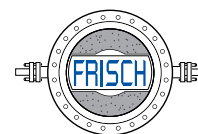


STEM PACKING

REPLACEABLE EXTENDED STUFFING BOX SLEEVE

VALVES FOR OTHER SULFURIC ACID PLANT APPLICATIONS

- MECS® Process Gas Jug Valves
- MECS® Process Gas Gate Valves



MECS is a distributor of FRISCH™ Valves, known as MECS® Valves in the sulfuric acid industry for sulfur burning, metallurgical, wet gas and spent acid recovery plants.