

MECS® PROCESS GAS JUG VALVES FOR SULFURIC ACID PLANT SERVICE

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

Plant engineers in the know choose MECS, Inc. (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/ effective actuation reliability and value. All MECS® Process Gas Valves embody these critical attributes resulting in a worry free clean and efficient work place.



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
 - are custom designed for each application
 - are sized for highest service reliability
- For control of high temperature flue gas
- Seat configurations achieve minimal leakage
- Available in durable cast or wrought alloys
- Polished shafts to ensure long term low friction stem seals
- Proprietary stem packing with special corrosion inhibitors for longer service life
- Flexible mounting methods
 - vertical or horizontal

SPECIFICATIONS:

- Sizes – 12” to 96”
- Pressures to 50 psig, temps. to 2300° F
- Refractory or metal seat designs
- Refractory lined if required
- Motor or manual operation



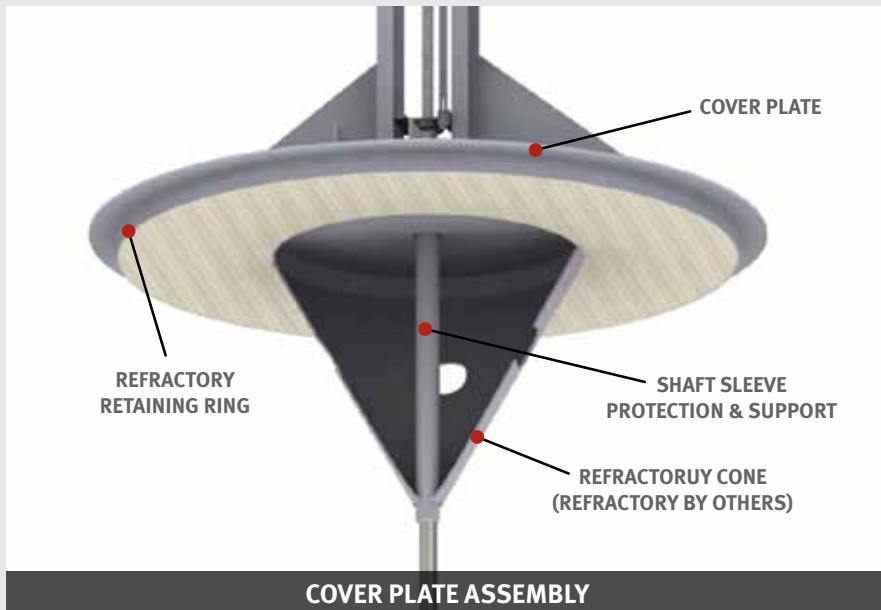
MECS®

PROCESS GAS VALVES

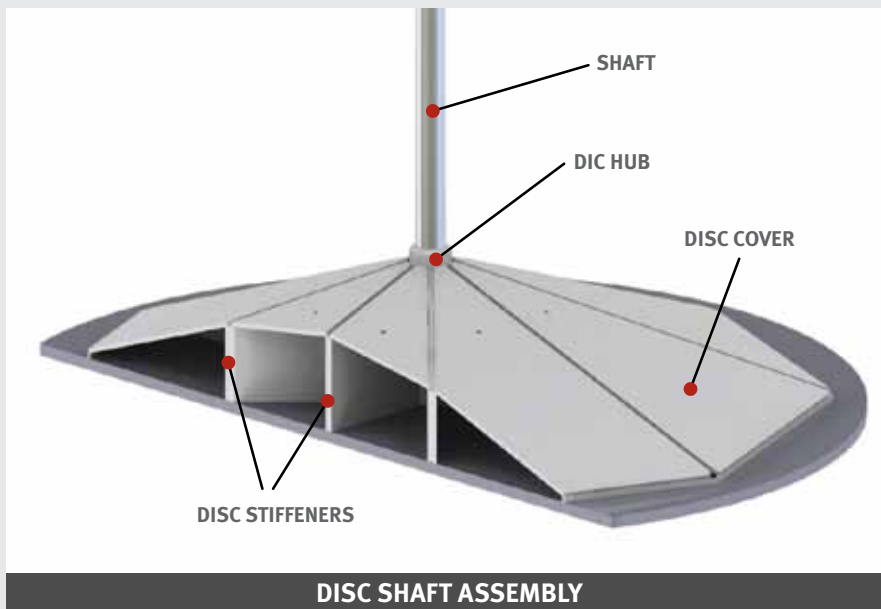
Learn more at www.mecs.dupont.com

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JUG DAMPER COVER PLATE AND DISC SHAFT ASSEMBLY DETAILS



COVER PLATE ASSEMBLY



DISC SHAFT ASSEMBLY



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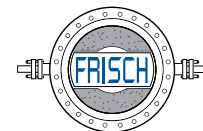
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VALVES FOR OTHER SULFURIC ACID PLANT APPLICATIONS

- MECS® Process Gas Butterfly Valves
Damper, O-Ring Disc Edge, Resilient Disc Edge, Triple Offset, Refractory Lined
- 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.