

MECS® PROCESS GAS GATE VALVES FOR SULFURIC ACID PLANT SERVICE



MECS® ROLLING SLIDE GATE VALVE

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/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.

FEATURES AND BENEFITS:

MECS® PROCESS GAS GATE VALVES

- 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
- Two stage seating eliminates seat galling:
 - gate assembly moves on guide rail to full closed position
 - then contacts wedges to advance onto seat
- Specially designed rollers assure smooth gate travel even in the most demanding service environments
- Fully guided disc eliminates gate flutter

SPECIFICATIONS:

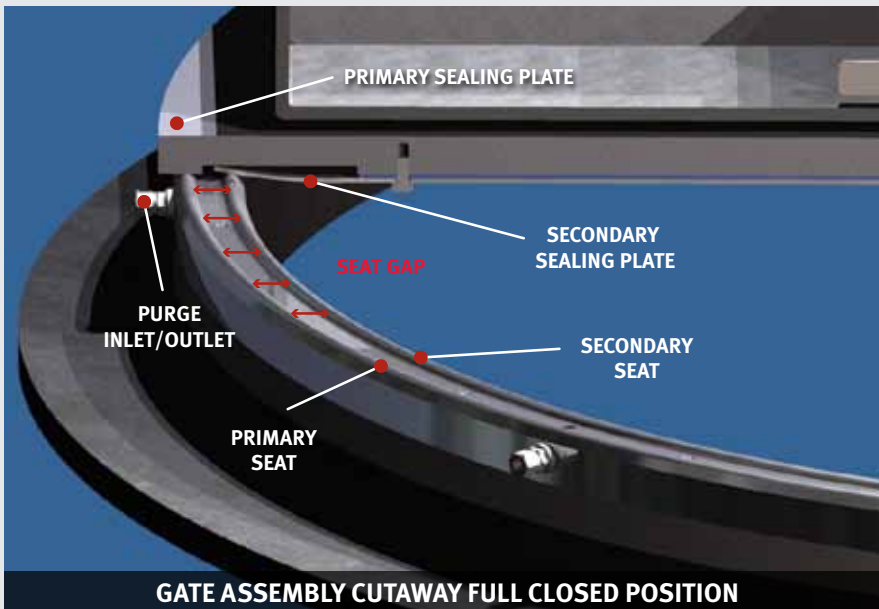
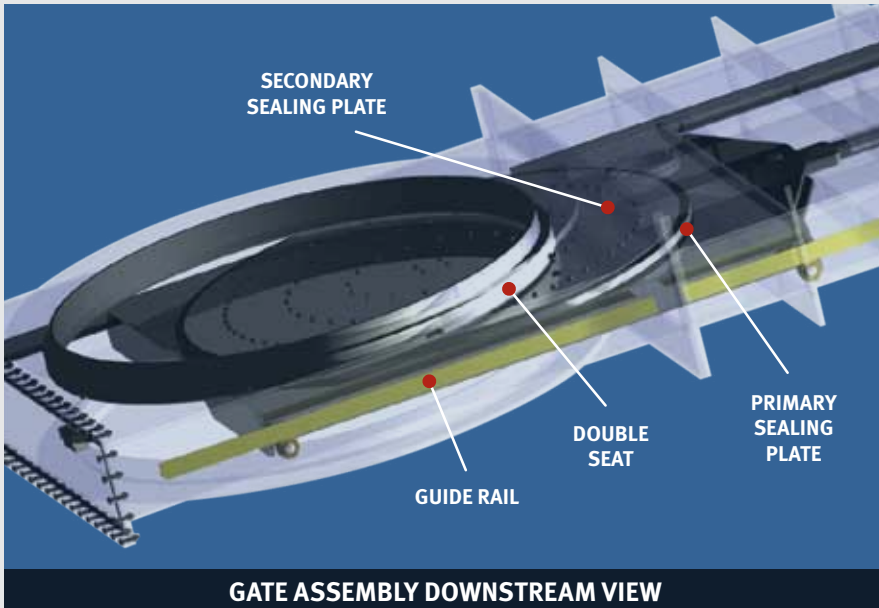
- Available in sizes 4” to 96”
- Services temperatures up to 1600°F
- Metal to metal seal
- Leakage standards available:
 - FCI 70.2 Class VI
 - complete shut off

PROCESS GAS VALVES

Learn more at www.mecs.dupont.com

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GATE ASSEMBLY SEALING DETAILS



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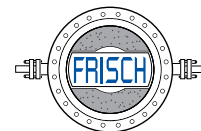
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VALVES FOR OTHER SULFURIC ACID PLANT APPLICATIONS

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