MECS® PROCESS GAS BUTTERFLY VALVES FOR SULFURIC ACID PLANT SERVICE

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.

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

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

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.