

Mix Proof Butterfly Valve



Challenge

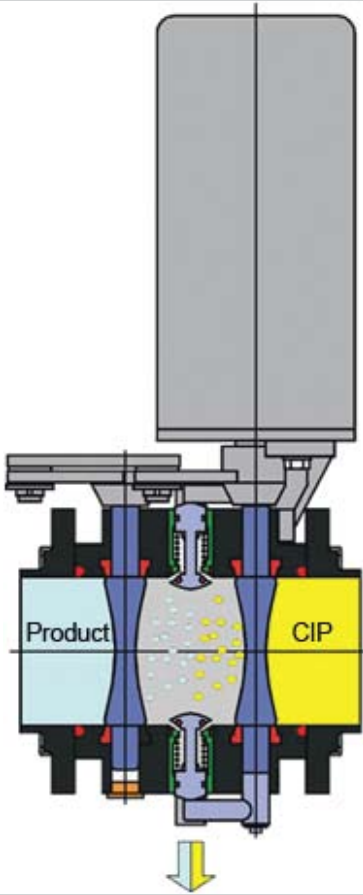
Many areas in a process plant require protection between incompatible fluids. There are a number of ways that this can be accomplished. In areas that do not require safe separation of product, for example product/product, water/product or CIP/product separation, a lower cost solution using swing bend panels, or single seat or butterfly valves in a block and bleed configuration, can be effective. However, swing bend panels come with high manpower, high volume of waste, slow changeover between products, and are difficult to expand. Block and bleed designs require more valves, increase control system costs and are more likely to contain dead legs.

Solution

Norit Südmö's Mix Proof Butterfly Valve provides safe separation of incompatible fluids in a compact design with significant advantages over traditional block and bleed installations. By integrating two butterfly discs and independent vent/drain valves into a common housing, the Norit Südmö Mix Proof Butterfly Valve completely isolates the cleanable leakage chamber with a single valve housing and actuator.

Backed by Norit Südmö's proven technology, superior service and extensive application know-how, the advanced design of our Mix Proof Butterfly Valve gives you complete confidence in product safety, with reduced installation and control costs.

Mix Proof Butterfly Valve



Benefits

- Single actuator for block and bleed function
- Seals interchangeable with standard butterfly valves
- Eliminates manual connections
- Reduced space requirements
- Reduced cost of installation and controls
- Proven technology

Applications

- CIP supply and return
- Vertical manifolds
- Utility connections to process lines
- Backflow preventer on water supply line

Standard Specifications

Materials

- Product contact: 316L (1.4404)
- Non-product contact: 304 (1.4301)
- Optional: Upon request

Seals

- Standard: EPDM
- Optional: HNBR, FPM (Fluoro-Rubber), PTFE, VMQ (Silicone)

Operating Pressure

- Control air pressure: Standard 87-116 psi
- Product pressure: 145 psi max holding

Connections

- Standard: Sanitary O.D. tube butt weld
- Optional: Sanitary O.D. tube clamp
Welding ends for metric tubes
Welding ends for ISO tubes
DIN nut

Finish

- ≤ 32 Ra product contact
- ≤ 63 Ra non-product contact

Options

- Improved mechanical polish/electropolish
- Control top
- 3.1B material certification

Südmo North America reserves the right to make changes in the technical specifications at any time.

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