

365it™ PMO Mix Proof Valve



365it
PMO VALVE

Challenge

Due to stringent PMO regulations, dairy plant operators face many obstacles that affect efficiency. To meet FDA requirements, using the original PMO Mix Proof valve, it was necessary that seat cleaning be done without product in the opposite pipeline. This meant that dairy plants had to shut down the line(s) each day, resulting in several hours of lost production time.

Solution

Norit Südmo's 365it™ PMO Mix Proof Valve allows full seat cleaning with product in the opposite pipeline, resulting in increased production time and greater flexibility to use available tanks and equipment. This re-engineered Mix Proof Valve, which features the same one-piece machined body and full port vent design of Norit Südmo's original PMO Mix Proof Valve, assures there is no possibility of cleaning chemicals contaminating the opposite pipeline of product during seat cleaning. In addition, this valve completely cleans the stem during the seat lift operation, ensuring that the area of the stem that is exposed to product is also fully exposed to cleaning chemicals. The valve also meets the strict testing requirements of the FDA and carries the Memorandum M-b-354.

This design, available in sizes from 1.5 to 6 inches, mechanically prevents fluid impingement on the opposite seat during seat lift. The 365it™ PMO Mix Proof Valve also meets 3-A standards.

With Norit Südmo's revolutionary technology, backed by years of experience in the dairy industry, extensive application know-how and superior customer service, you can reach maximum plant efficiency today! Visit www.sudmo365it.com to learn more about Norit Südmo and the 365it™ PMO Mix Proof Valve.

365it™ PMO Mix Proof Valve



Benefits

- Maximizes production time
- Easier to maintain
- Gentler product handling
- Body machined from a solid piece of bar stock
- Fully CIP-able including stem
- Compact design
- 5-year prorated actuator warranty
- O-rings (not V-rings) require no special tools for seal insertion
- Seat movement detection prior to losing liquid seal
- Lighter to work on

Applications

- Raw receiving
- Raw tank storage
- HTST supply and discharge lines
- Pasteurized tank storage
- Filler supply lines
- Batching systems

Standard Specifications

Materials

- Product contact: 316L (1.4404)
- Non-product contact: 304 (1.4301)
- Optional: Hastelloy, AL6XN

Seals

- Standard: EPDM
- Optional: HNBR, FPM (Fluoro-Rubber), FFPM (Perfluorinated Fluoro-Rubber)

Operating Pressures

- Control air pressure: Standard 87-116 psi
- Product pressure: Standard 87 psi with 87 psi air pressure
- Up to 145 psi product pressure depending on the application

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

Finishes

- <= 32 Ra product contact
- <= 63 Ra non-product contact

Options

- Improved mechanical polish/electropolish
- Stem clean
- Sterilization chamber
- Mix match body

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



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