

Mix Proof Valves



Product Features

Today's production processes demand parallel operation of product and cleaning cycles in order to maximize plant utilization and optimize the economy of operation of complex plants. Norit Südmo's Mix Proof Valves offer hygienic and aseptic processors the ability to establish automated multiple routings with complete confidence. Mix proof technology guarantees that all process and cleaning liquids in complex routing systems remain separated.

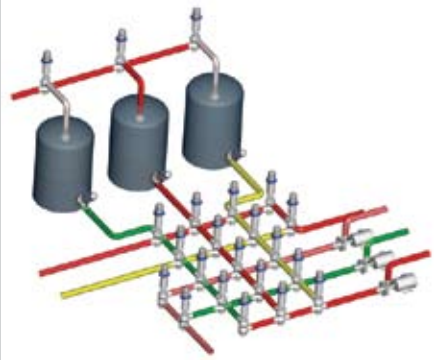
The function and value of Norit Südmo's Mix Proof Valves becomes apparent when applied to the simultaneous filling, emptying and cleaning of storage vessels. A matrix can be used to set up automatic routings from a number of vessels to multiple pipelines by passing liquids through both upper and lower ports of individual valves in a valve matrix. The double seat arrangement of Mix Proof Valves ensures this is achieved without danger of cross-contamination. The space between the seats is open to the atmosphere which, in the event of seal failure, establishes a safe flow to the atmosphere.

The Norit Südmo Mix Proof Valve Program for the safe separation of incompatible media is well established in the food, beverage and pharmaceutical industries. Our Mix Proof Valve is machined from a solid bar of stainless steel, which minimizes the number of welds on each valve. Norit Südmo's Mix Proof Valves are highly resistant to aggressive media and offer seal material options that are suitable for a variety of applications. The valves are balanced to withstand pressure shocks and are easy to maintain.

Backed by Norit Südmo's proven technology, unparalleled customer service and extensive application know-how, you are assured that by using Norit Südmo Mix Proof Valves you will maximize the use of your plant's assets.



Mix Proof Valves



Benefits

- Actuator with integrated seat lift
- Body machined from a solid piece of bar stock
- Fully CIP-able including stem
- Leak-free design
- Superior CV's due to design
- 5-year prorated actuator warranty
- O-rings (not V-rings) require no special tools for seal insertion
- Fully serviceable actuator

Applications

- Safe separation of process lines for product safety due to allergens, incompatible products and CIP chemicals
- Batching
- Fillers
- CIP distribution

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), FFKM (Perfluorinated Fluoro-Rubber)

Operating Pressure

- Control air pressure: Standard 87-116 psi
- Product pressure: Standard 87 psi
- Optional: 60 psi air pressure
145 psi product pressure

Connections

- Standard: Sanitary O.D. tube butt weld
- Optional: Sanitary O.D. tube clamp

All connection types are also available in metric, ISO and Schedule 5 dimensions

Finish - Standard

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

Options

- Improved mechanical polish/electropolish
- Aseptic version
- External stem clean/drainage cap with hose connection
- Sterilization chamber
- Mix match body sizes
- Control tops: 24VDC, 110VAC, ASI, DeviceNet™

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



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