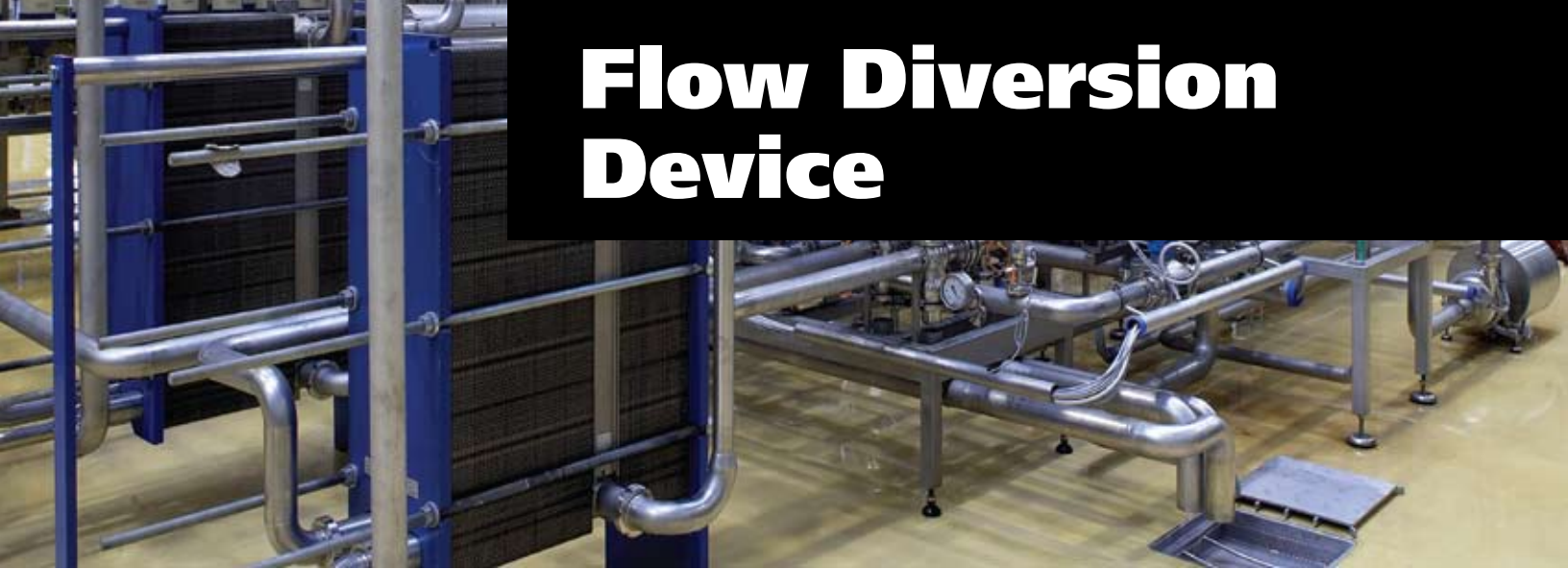


Flow Diversion Device



Product Features

Pentair Südmo's Non-Slamming Flow Diversion Device that interfaces with the legal control systems for HTST operation is now controlled by the IntelliTop 2.0, which uses proximity switches for position detection instead of microswitches. This is both more robust and ensures repeatability of feedback through demanding process conditions.

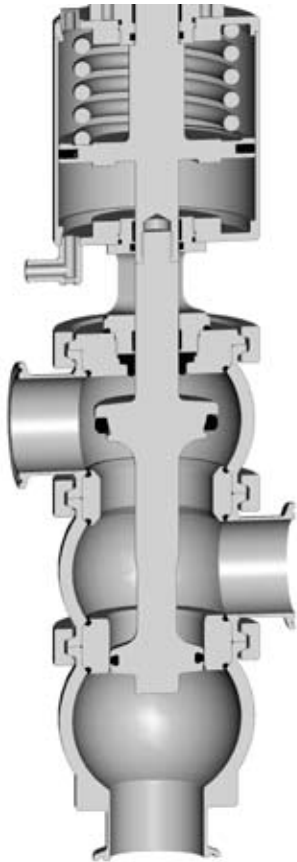
Set-up and testing of equipment is now easier than ever. The electronic IntelliTop 2.0 Control Unit provides for quick set-up with the push of a button. This eliminates the opportunity for human error as in systems with mechanical switches. The control top's 360° beacon provides local indication of the valve position.

The valves' machined bodies offer a rugged solution with a maintenance-free actuator that carries a 10-year prorated warranty. The upper seat is made from a durable FDA compliant PEEK material, while the lower seat is a sliding o-ring seal made from standard FDA compliant seal materials (EPDM, HNBR, FPM). This rugged upper seat lengthens service life and helps eliminate the need for frequent adjustment, while the radial lower seal allows for easy maintenance.

The valve set carries the 3-A symbol and meets the FDA Grade "A" Pasteurized Milk Ordinance (PMO) guidelines for Flow Diversion Devices as stated in M-b-347 Supplement 1. Pentair Südmo's Flow Diversion Device is backed by our proven technology, superior service and extensive application know-how.



Flow Diversion Device



Benefits

- Long wear PEEK upper seat
- Sliding lower seat for ease of maintenance allowing complete removal from top of housing without stem removal
- Easy test procedure for inspectors - not necessary to take valve apart for HTST validation
- 10-year prorated actuator warranty
- Air connection with shut off valve included
- No water hammer during divert to forward flow
- O-rings (not V-rings) require no special tools for seal insertion
- IntelliTop 2.0 allows for quick set-up and eliminates microswitch adjustment
- Beacon on control top indicates valve position
- IntelliTop 2.0's IP 65/67/69K ratings meet water tight needs in the process room

Standard Specifications

Materials

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

Seals

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

Operating Pressure

- Control air pressure: Standard 87-116 psi
- Optional: 50 psi
- Product pressure: Standard 87 psi
- Optional: 145 psi

Connections

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

Finish

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

Control Top

- 24 VDC
- 120 VAC

Options

- Improved mechanical polish/electropolish
- Sterilization chamber
- Booster
- 3.1B material certification

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



53-06

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