



# W75CP Mix Proof PMO Compliant Tank Outlet Curd Valve

## Application:

W75CP tank outlet curd valve for safe separation of product from CIP plus single seat-lift separation compliance. Fully independent operation and cleaning of either the upper or lower housing is achieved due to:

- PMO Section 15p(B) compliance for single seat lift separation while product is in the opposite housing
- PMO Section 12p compliance for ability to clean all product contact surfaces

## Materials:

Product Wetted: ASTM 316L (UNS-S31603); (DIN-1.4404)  
 Non-Product: ASTM 304 (UNS-S30400); (DIN-1.4301)  
 Seat: Tri-Ring Compression Seal Upper Stem, Radial Seal Lower Stem  
 Elastomers: EPDM or FKM (Fluoroelastomer)  
 Finish:  $\leq 32 \text{ Ra}$  ( $\leq 0.8 \mu\text{m}$ ) *Other finishes available upon request.*

## Pressure Ratings:

Operating Pressure: 3" O.D. Tube = 150 psig (10.3 bar)  
 4" O.D. Tube = 90 psig (6.2 bar)  
 6" O.D. Tube = 90 psig (6.2 bar)  
 Holding Pressure: All Sizes = 150 psig (10.3 bar)

## Actuator:

Independent Seat Lifting (SL)

Air Requirements

Min. Supply Pressure: 75 psi (5.2 bar)

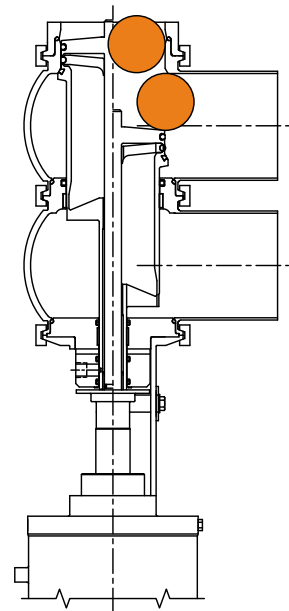
Maximum: 100 psi (6.9 bar)

Air Volume 3", 4", and 6" Valves:

.055 ft<sup>3</sup> (.0015 m<sup>3</sup>) Open Valve

.162 ft<sup>3</sup> (.0046 m<sup>3</sup>) Lower Seat Clean

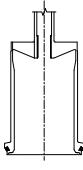

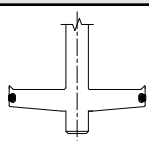
.011 ft<sup>3</sup> (.0003m<sup>3</sup>) Upper Seat Clean



## Features:

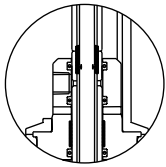
- Same single seat-lift separation compliance as W75CP
- Available in 3", 4" and 6" OD tube sizes
- Extended stroke length to allow particulates of up to 2.0" based on size of valve

# Seat Option & Accessories

| Seat Type   |                       | Material / Maximum Temperature |  |
|---|-----------------------|--------------------------------|--|
|  | Tri-Ring - Upper (TR) | EPDM                           | Oper. 280°F (137°C)<br>Steril. 275°F (135°C)     |
|  | Blocker               |                                |  |
|  | Radial - Lower        | FKM (Fluoroelastomer)          | Oper. 350°F (176°C)<br>Steril. - Consult Factory |

For higher temperature applications than those listed, please consult the factory.

## Adapter Option



External Liquid Flush

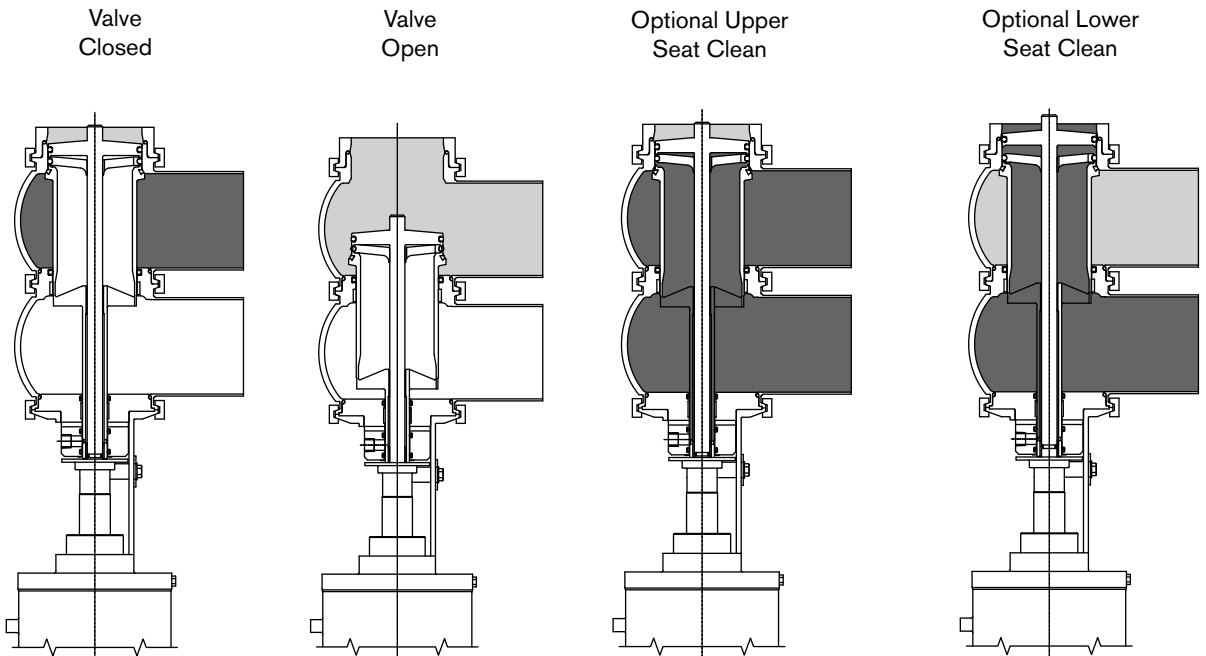
## Theory of Operation

Mix proof valves provide safe separation of dissimilar products within the same valve body.

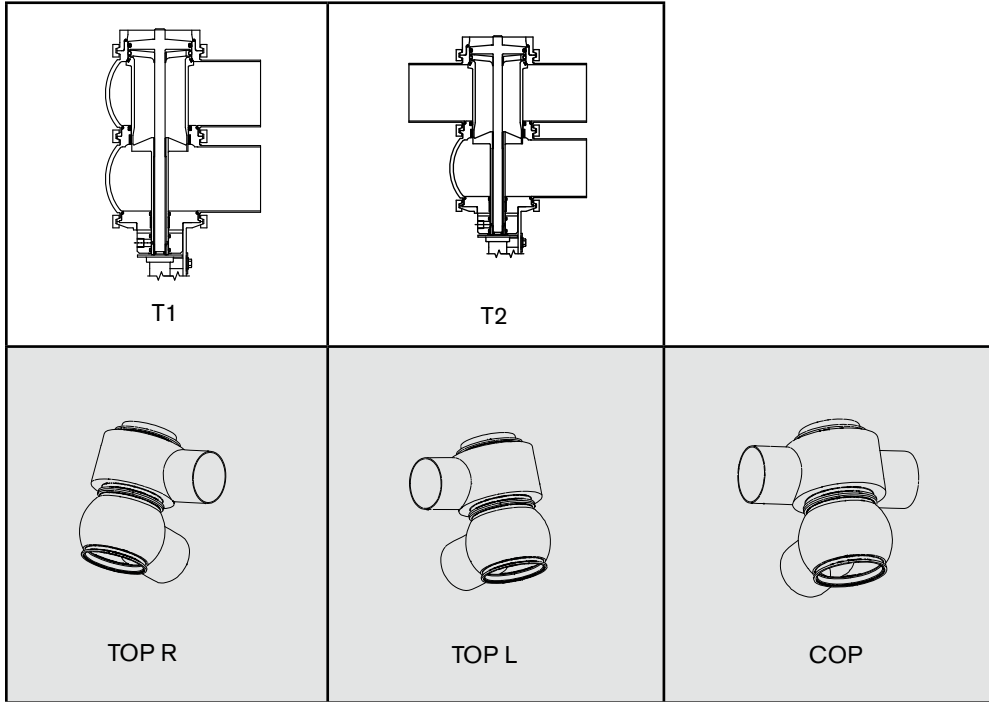
For Example: Product vs. CIP

 Product

 CIP

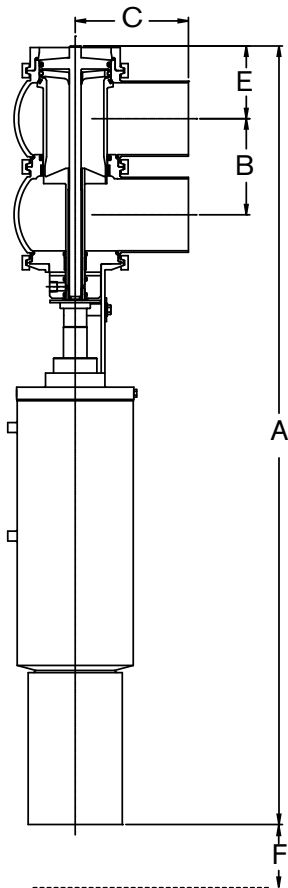


# Body Configurations W75CP Tank Outlet Curd Valve



\*Tank outlet curd valves contain clamped upper tee body as drain port equal to valve size per PMO. Ensure drain port orientated downward if valve mounted horizontally.

## Valve Dimensions



| Valve Size<br>Inch (mm) | A              | B            | C            | E            | F*            |
|-------------------------|----------------|--------------|--------------|--------------|---------------|
| 3.0<br>(76)             | 39.4<br>(1001) | 4.1<br>(105) | 6.0<br>(152) | 3.3<br>(84)  | 9.5<br>(241)  |
| 4.0<br>(102)            | 41.3<br>(1049) | 5.1<br>(129) | 6.0<br>(152) | 3.8<br>(96)  | 11.4<br>(290) |
| 6.0<br>(152)            | 45.7<br>(1161) | 7.1<br>(181) | 8.0<br>(203) | 5.2<br>(132) | 15.8<br>(401) |

\* F dimension - Minimum clearance required for valve removal.

# Control Tops

- Transparent Control Top keeps all electrical components visible.
- Maintainable! Designed with the user in mind, making assembly and troubleshooting worry free and easy!
- WCB uses the industry's most widely recognized electrical components, so access to off-the-shelf replacement parts is easy, ensuring quick delivery and less down time!
- NEMA 4x (Ip66)
- Removal without disassembly

## Connector Options

- S/O Cord Grip for hard wire (STD)
- Quick Disconnect Pin Connectors

## Interface Options

- AS-i Field® Bus Card
- DeviceNet® Field Bus Network Card

## Position Indication

- 3 Proximity Switches to Comply with PMO requirements.  
(2) in control Top,  
(1) mounted on yoke

## Solenoid Valves

- 24V DC or 110V AC
- Up to (3) available in control top



# SPX®



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