



W72RS Series

DOUBLE SEAT MIX PROOF VALVES



Provided by:

Holland[®]
APPLIED TECHNOLOGIES
www.hollandapt.com
Phone: 800-800-8464

ISO 9001
CERTIFIED



Waukesha Cherry-Burrell[®]

The W72 RS Series Mix Proof Valve features a lower radial seal for minimal spillage of products when opening or closing. This valve is used to provide safe separation of dissimilar products within the same valve body.

Based in Charlotte, North Carolina, SPX Corporation (NYSE: SPW) is a global multi-industry manufacturing leader. The company's highly-specialized, engineered products and technologies are concentrated in Flow Technology and energy infrastructure. Many of SPX's innovative solutions are playing a role in helping to meet rising global demand for electricity and processed foods and beverages, particularly in emerging markets.

W72RS Series Mix Proof Valves

PRODUCT FEATURES AND BENEFITS

- Robust "machined from bar stock" wetted components
- Ease of maintenance (control top stays in place during maintenance)
- Fully maintainable actuator
- Adjustable seat, lifts to maximize use of caustics
- Three control top options available

PRODUCT SPECIFICATIONS

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: ≤ 32 Ra (≤0.8 μm) Other finishes available upon request.

Pressure Ratings:

Operating Pressure: 1½"-3" O.D. Tube = 150 psig (10.3 bar)

4" O.D. Tube = 90 psig (6.2 bar)

4" Sch. 5 = 150 psig (10.3 bar)

6" O.D. Tube = 90 psig (6.2 bar)w

6" Sch. 5 = 150 psig (10.3 bar)

Holding Pressure: 50 psig (10.3 bar)

Typical product applications

Actuator:

Non Seat Lifting (NSL)

Air Requirements

Min. Supply Pressure: 75 psi (5.2 bar)

Air Volume 1.5"-2" Valves:

.014 ft³ (.0004 m³) Open Valve

Air Volume 2.5"-4" Valves:

.039 ft³ (.0011 m³) Open Valve

6" O.D. Tube - .055 ft³ (.0016 M³)

6" Sched-5 - .055 ft³ (.0016 M³)

Independent Seat Lifting (SL)

Air Requirements

Min. Supply Pressure: 75 psi (5.2 bar)

Maximum: 100 psi (6.9 bar)

Air Volume 1.5" and 2" Valves:

.03 ft³ (.0008 m³) Open Valve

.006 ft³ (.0002 m³) Lower Seat Lift

.004 ft³ (.0001 m³) Upper Seat Lift

Air Volume 2.5"-4" Valves:

.07 ft³ (.002 m³) Open Valve

.08 ft³ (.002 m³) Lower Seat Lift

.005 ft³ (.0001 m³) Upper Seat Lift

Air Volume 6" Valves:

.055 ft³ (.0015 m³) Open Valve

.162 ft³ (.0046 m³) Lower Seat Lift

.011 ft³ (.0003 m³) Upper Seat Lift



Lower Radial Seal

Food & Beverage

Dairy

Beverage

Brewery

Clean in Place

Personal Care



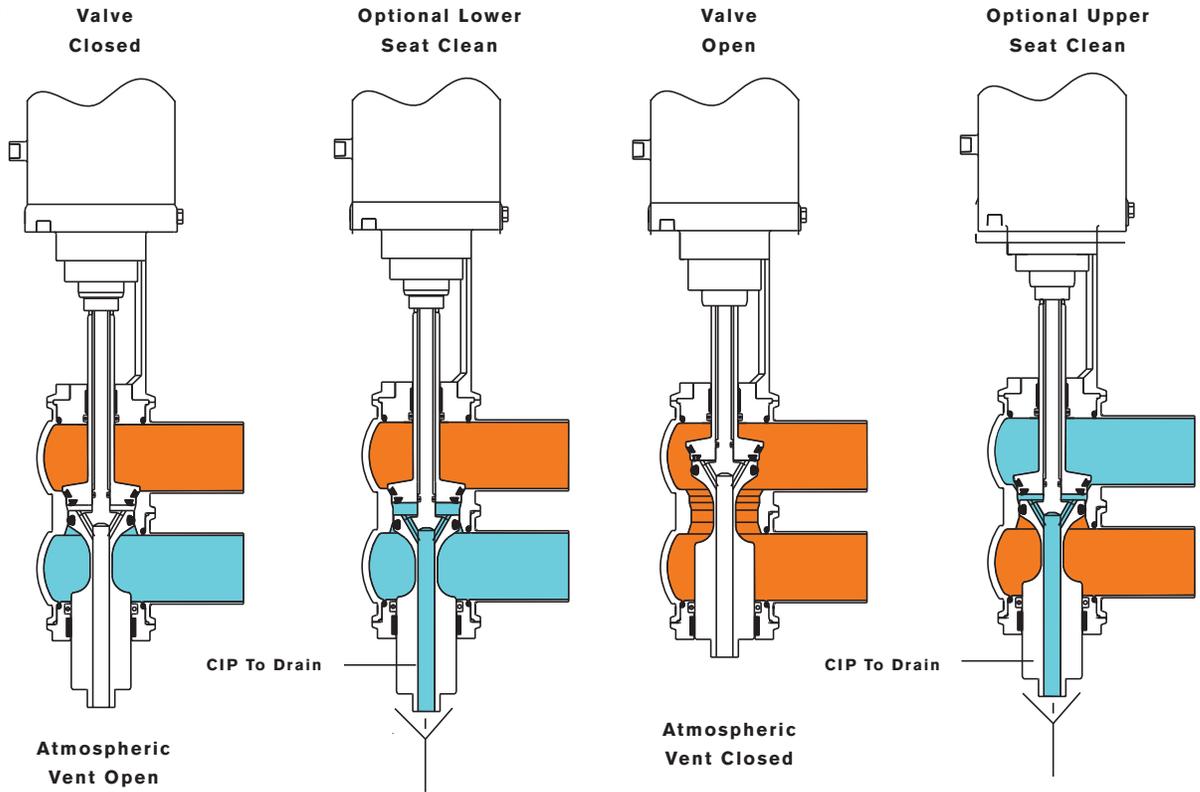
THEORY OF OPERATION:

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

For Example: Product vs. CIP

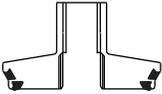
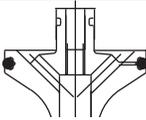
 Product

 CIP



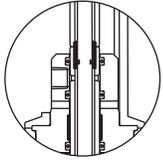
OPTIONS AND ACCESSORIES

SEAT OPTIONS

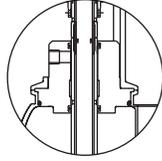
SEAT TYPE	MATERIAL	MAXIMUM TEMPERATURE
	EPDM or FKM (Fluoroelastomer)	Oper. 280°F (137°C) EPDM Steril. 275°F (135°C) EPDM Oper. 350°F (176°C) FKM Steril. FKM - Consult Factory
		

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

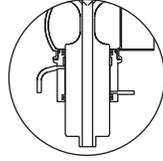
ADAPTER OPTIONS



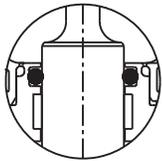
External Liquid Flush



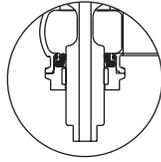
External Steam Barrier Upper Stem



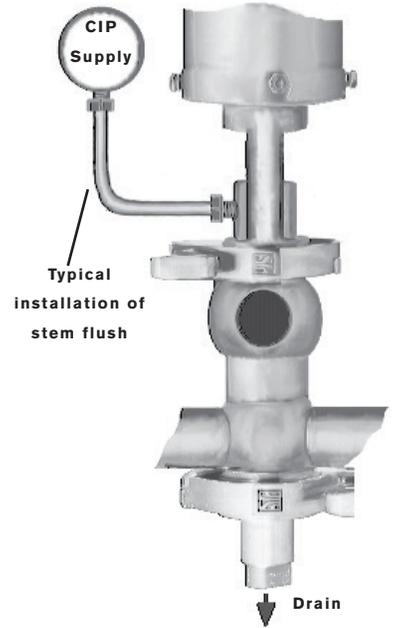
External Flush Lower Stem



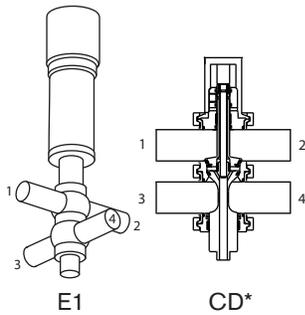
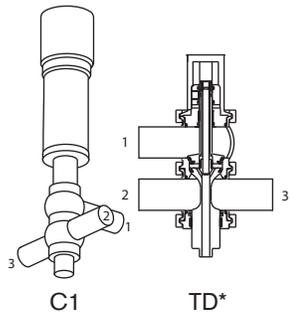
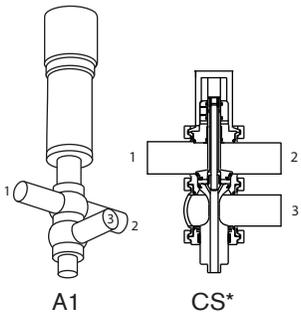
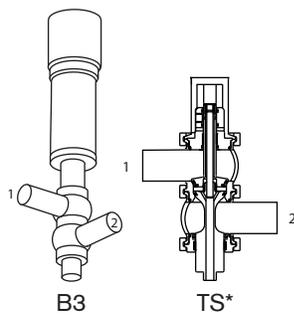
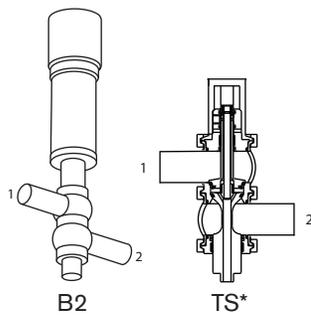
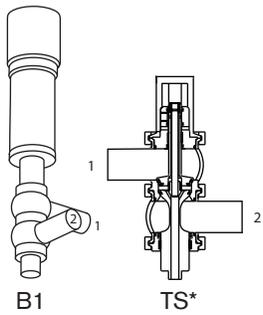
O-Ring Stem Seal



**Wiping Stem Seal
(Lower Stem Shown)**



BODY CONFIGURATIONS



*Two Piece Clamped Bodies allow ports to be rotated in any direction.

CONTROL TOP OPTIONS

Features

- Transparent control top keeps all electrical components visible.
- Designed with the user in mind, making assembly and troubleshooting worry free and easy
- Waukesha Cherry-Burrell 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
- Stainless steel control top option



Connector Options

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

Interface Options

- AS-i® Fieldbus Card
- DeviceNet® Fieldbus Network Card

Position Indication

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

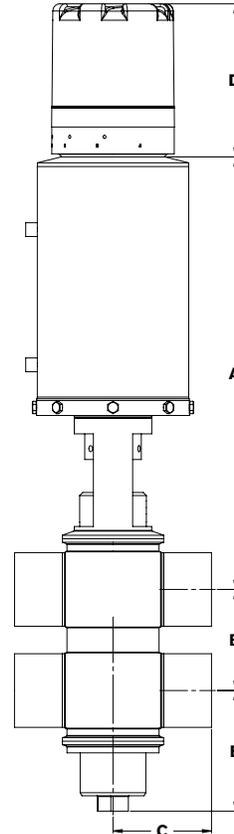
Solenoid Valves

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

PRODUCT DIMENSIONS

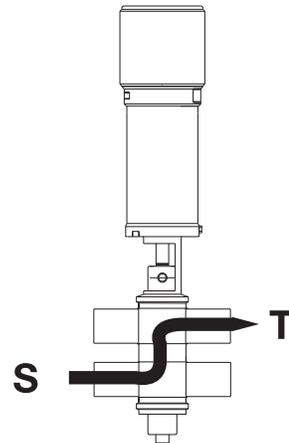
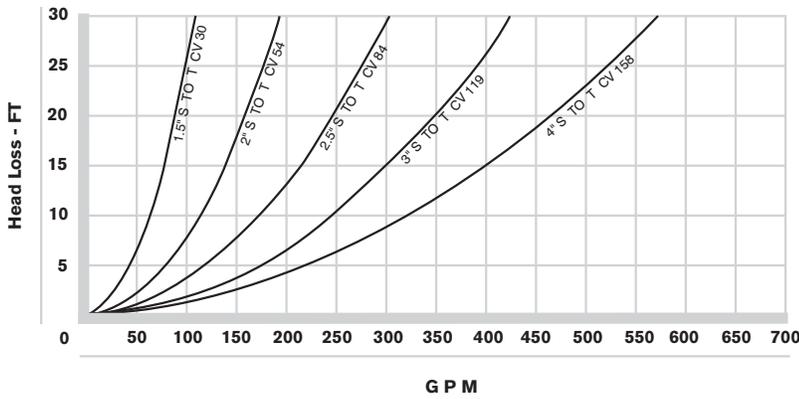
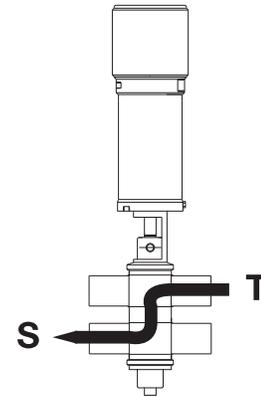
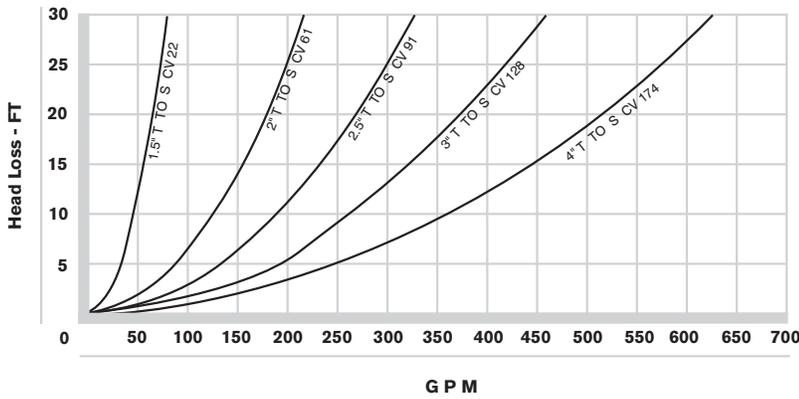
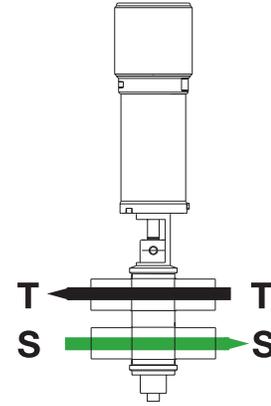
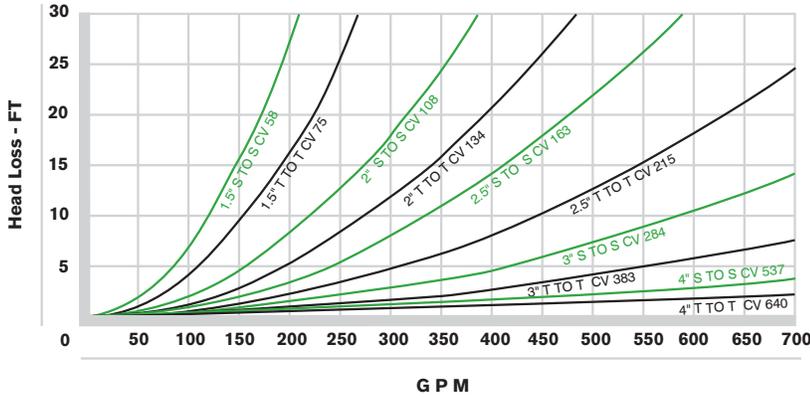
VALVE SIZE INCH (MM)	A*	B	C	E*
1.5 (38)	29.0 (737)	4.13 (105)	4.0 (102)	3.5 (89)
2.0 (51)	30.5 (775)	4.13 (105)	4.0 (102)	3.9 (99)
2.5 (64)	32.0 (813)	4.13 (105)	4.0 (102)	4.6 (117)
3.0 (76)	33.0 (838)	4.13 (105)	4.0 (102)	4.9 (124)

* A & E dimensions shown w/out optional lower stem flush



ADDITIONAL TECHNICAL DATA

Pressure Loss Curves - W72 RS Series CV



NOTE: For 6.0 OD and Schedule 5 sizes, please consult factory.

W72RS SERIES

DOUBLE SEAT MIX PROOF
VALVES



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