

## W80 Series

### ASEPTIC STEM FLUSH VALVES

#### PRODUCT FEATURES AND BENEFITS

Used in applications that require aseptic barriers around the product zone, the W80 Series valves utilize a stem flush adapter to provide a liquid or steam barrier around the valve stem.

The W80 adapter has an outer perimeter seal to the valve body with an o-ring that is located forward to the product zone to minimize crevices. The product stem passes through the adapter and is sealed in the upper part and the lower part of the adapter with o-rings. In addition, the stem cannot be raised outside the barrier zone during valve actuation.

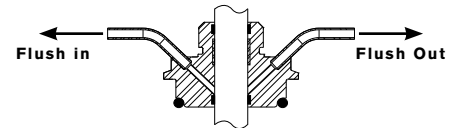
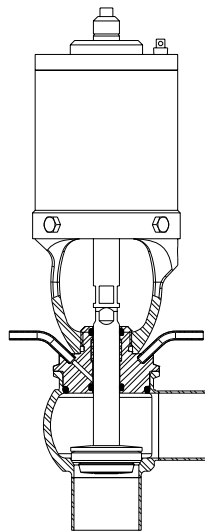
The W80A adapter option provides the additional functionality to run a sterile flush on the body to adapter o-ring seal. While the W80 adapter only flushes the stem seal, the W80A adapter provides a fully aseptic sealing solution.

All actuator, body configurations, valve seat and control top options available for W60 Series valves are also available for the W80\*. In addition, the W80 flush adapter is interchangeable with the standard adapter, maintaining W60 dimensions.

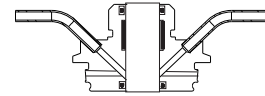
\*Refer to DS-1201 for all technical specifications on W80 series valves.

#### PRODUCT SPECIFICATIONS

- Product Wetted: ASTM 316L (UNS-531603); (DIN-1.4404)
- Non-Product: ASTM 304 (UNS-530400); (DIN-1.4301)
- Seat Material: Tef-Flow™ (Std) See Page 2 for other available seat options.
- Elastomers: EPDM (Std) Fluorelastomer (FKM) (Opt)
- Finish: <32Ra (<0.8 μm) Other finishes available upon request.



Flush pressure 14.5 psi (1 bar)  
Max. .25" (6.35 mm) Tube OD





W80A adapter adds steam trace to the adapter-to-valve body connection.



#### Maximum Pressure Ratings

VALVE SIZE WITH PRESSURE AT	1.0/1.5" (25/38 mm)	2.0" (51 mm)	2.5" (64 mm)	3.0" (76 mm)	4.0" (102 mm)	6.0" (152 mm)
70°F (20°C)	500 psi (34.5 bar)	450 psi (31 bar)	400 psi (28 bar)	350 psi (24 bar)	200 psi (14 bar)	150 psi (10 bar)
160/180°F (71/82°C)	375 psi (26 bar)	350 psi (24 bar)	300 psi (17 bar)	250 psi (17 bar)	150 psi (10 bar)	100 psi (6 bar)
250°F (121°C)	250 psi (17 bar)	250 psi (17 bar)	200 psi (14 bar)	150 psi (10 bar)	125 psi (8 bar)	75 psi (5 bar)

## OPTIONS AND ACCESSORIES:

### Seat Options

SEAT TYPE	MAXIMUM TEMPERATURE °F / °C *	APPLICATION	SERIES
 Tef-Flow™	180/82	Standard seat of choice. General Purpose, >90% of applications	W60
 Tef-Flow™ P	280/137	High Temp High Pressure Pressure Relief	W60 W80 W90

SEAT TYPE	MAXIMUM TEMPERATURE °F / °C *	APPLICATION	SERIES
 Tri Ring (TR) EPDM, FKM	Oper. 280/137EPDM Steril. 275/135EPDM Oper. 350/176 FKM Steril. Consult Factory FKM	High Pressure Large Particulate	W60 W80 W90
 Metal (M)	375/190	High Pressure High Flow Large Particulate	W60 W80

### Control Top Options

#### Waukesha Cherry-Burrell Control Top Features and Benefits

- Transparent Control Top keeps all electrical components visible.
- Maintainable, designed with the user in mind, making assembly and troubleshooting worry free and easy.
- 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 (IP64)
- Stainless Steel Control Top Options



#### 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

- Set-and-Forget programmable linear switch
- Inductive Proximity Switches 20-140V AC/DC, 2-Wire (Std)
- Microswitches 24VDC, 110VAC
- Intrinsically safe options 5-24VDC
- Externally mounted options

#### Solenoid Valves - 24VDC or 110V

#### CU4 Control Top Features And Benefits

- Cost-effective - simple design and limited options for basic control top functionality.
- Ease of Operation - contains manual override solenoids and adjustment screw to throttle air flow to actuator to ensure optimal opening and closing.
- Clarity - clear and bright indication of valve positions with LED panel
- NEMA 6 (I67)

#### Connector Options

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

#### Interface Options

- AS-i Fieldbus Card
- Profibus and DeviceNet™ (CU3)

#### Position Indication

- 2 internal or 2 external feedback sensor switches for valve open/valve closed position detection

#### Solenoid Valves

- 24V DC or 110V AC
- Select 1 or 3 Solenoids
- NOT Element (Air assist or Air/Air)



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