

## The ASEPCO Radial diaphragm™ Sterillite™ valve

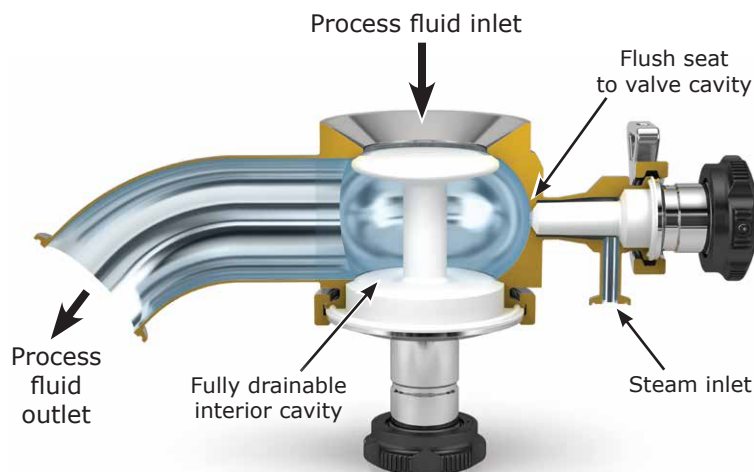


### Designed for critical aseptic processing applications

ASEPCO Radial diaphragm valves are specifically designed for applications where leakage, dead legs, or cross-contamination are unacceptable. ASEPCO valves provide added security in all high-purity processing.

### Features

Radial diaphragm
Flush mount design
Self-draining, cleanable
Simple clamp assembly
Change diaphragms in seconds
Integral travel stops
Flush or CIP/SIP while valve is closed
Satellite valve provides steam inlet
Satellite valve diaphragm seals flush to ID of Main Valve Body



### Specifications

#### Valves

Material	316L, AL6XN, Hastelloy, Polypropylene Machined from solid, hot-rolled, bar stock
Surface Finish	Max 20 micro-inch Ra (0.5 µm Ra), Electropolished Max 15 micro-inch Ra (0.375 µm Ra), Electropolished Max 10 micro-inch Ra (0.25 µm Ra), Electropolished
Sizes	0.75 inches through 3 inches
Outlet Connections	Standard: Sanitary flange or buttweld, (others available)
Steam Valve Inlet Connection	0.5-inch Sanitary flange standard (others available)
Maximum Pressure	ASME vessels: 250 psi (17 bar)    PED vessels: 175 psi (12 bar)
Maximum Temperature	Varies from 135°C/275°F to 200°C/400°F depending on diaphragm material
Marking	Each valve is serialized and marked for full material traceability
ISO	All product and procedures are governed by our ISO Quality Assurance Program
Standards	BPE, CE-PED, ASME

#### Actuators

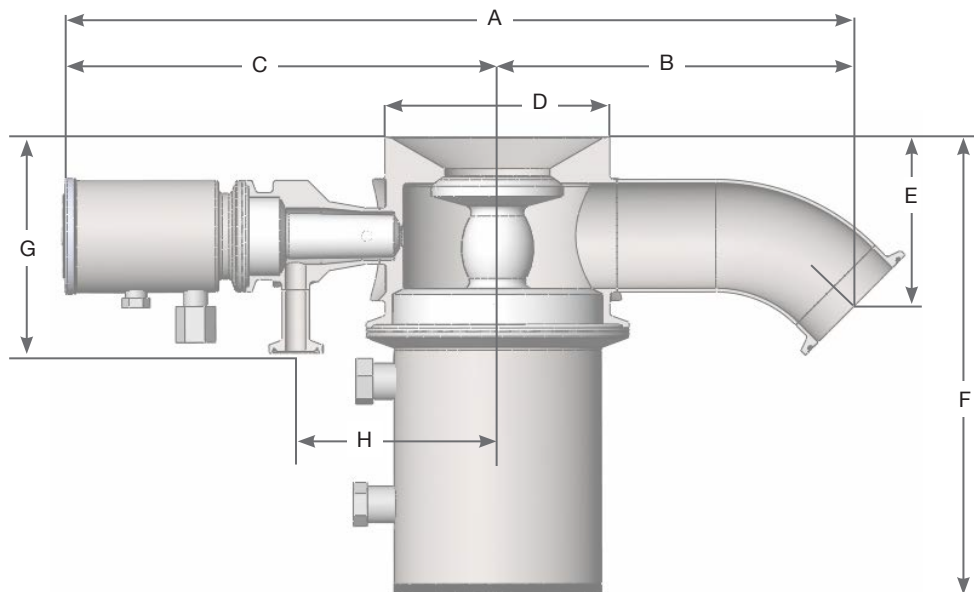
Types	Autoclavable Manual or compact normally closed or normally open pneumatic Both actuators feature position and leak indicators and are self contained
Material	304 stainless steel housing, can be made in 316L
Sizes	0.5 inches through 4 inches
Operating Air Pressure	100psi max for Pneumatic Actuators
Seals	Teflon bushings and O-rings
Fitting	1/8" NPT air connection (for pneumatic)
Possible Instrumentation	Switched With or without solenoids With or without DeviceNet cards

#### Diaphragms

Materials	Silicone	Silicone Plus	EPDM	EPDM Plus	Viton
Temperature Range	-60 to 275°F	-60 to 275°F	-30 to 275°F	-30 to 275°F	-4 to 400°F
Class	USP Class VI, 21 CFR 177.2600	USP Class VI, 21 CFR 177.2600	USP Class VI, 21 CFR 177.2600	USP Class VI, 21 CFR 177.2600	USP Class VI, 21 CFR 177.2600
Parylene Treatment	-	✓	-	✓	-

Please contact our Customer Service Department for any non-standard valve requirement (800) 882-3886 or [info@asepc.com](mailto:info@asepc.com)

## Sterillite valve dimensions



### TFXX-210-X: Flush-mounted\* Sterillite valve

Size	A	B	C - with Pneumatic Actuator	C - with Manual Actuator	D	E	F	G	H
inches	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)
0.75	4.44 (113)	2.06 (52)	6.82 (173)	5.81 (148)	2.98 (76)	2.98 (76)	2.98 (76)	3.34 (85)	2.89 (73)
1.00	9.98 (253)	3.78 (96)	8.19 (208)	7.34 (186)	2.98 (76)	2.45 (62)	5.25 (133)	3.34 (85)	2.89 (73)
1.50	11.71 (297)	5.19 (132)	7.26 (184)	6.53 (166)	2.98 (76)	2.53 (64)	5.75 (146)	3.59 (91)	3.17 (81)
2.00	13.33 (339)	6.43 (163)	10.66 (271)	8.34 (212)	4.00 (102)	3.75 (95)	7.30 (185)	3.84 (98)	3.59 (91)
2.50	7.89 (200)	7.54 (192)	10.66 (271)	8.34 (212)	4.91 (125)	4.91 (125)	4.91 (125)	4.34 (110)	4.38 (111)
3.00	16.92 (430)	9.24 (235)	15.00 (381)	11.17 (284)	4.91 (125)	5.22 (133)	8.34 (212)	4.34 (110)	4.38 (111)

\*Main Valve Body available in Clamp Inlet upon request

### Sterillite valve flow rates

Size	Cv at 1 psi (0.07 bar)
inches	GPM (LPM)
0.75	10.5 (39.7)
1.00	15.8 (59.8)
1.50	47.5 (180)
2.00	72 (272)
2.50	170 (643)
3.00	302 (1143)

### Weights

Size	Valve Body	Total Weight with Manual Actuator	Total Weight with Pneumatic Actuator
inches	lb (Kg)	lb (Kg)	lb (Kg)
0.75	3.10 (1.40)	6.75 (3.06)	7.95 (3.61)
1.00	3.00 (1.36)	6.65 (3.02)	7.85 (3.56)
1.50	4.43 (2)	8.08 (3.67)	9.28 (4.21)
2.00	7.60 (3.45)	13.75 (6.24)	15.40 (6.99)
2.50	13.29 (6.03)	19.39 (8.80)	36.04 (16.35)
3.00	13.18 (5.98)	19.28 (8.75)	35.93 (16.30)