

## ASEPCO Weirless Radial Diaphragm™ sterile access valve



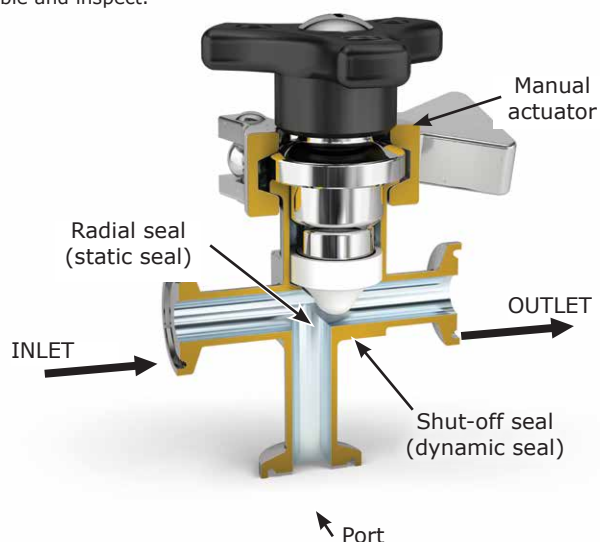
### Designed for critical aseptic processing applications

ASEPCO Weirless Radial diaphragm valves are specifically designed for applications where leakage, dead legs, and cross-contamination are unacceptable. We've applied our contamination-free, radial diaphragm technology and easy-to-use clamp assembly to an inline valve configuration, creating a reliable valve that is easy to assemble and inspect.

### Features

Radial diaphragm
Clean, self-draining design
Simple clamp assembly
Integral travel stops
Patented shoulder seal
Isolates process fluids absolutely
Drains fully in multiple orientations
Easy to seal and inspect
Up to 80% reduction in maintenance costs
Reduced down-time when changing diaphragms
Never needs re-tightening or adjustment
Color code with any of 7 valve handle colors

### Specifications



#### Valves

Material	316L, AL6XN, Hastelloy Machined from solid, hot-rolled, bar stock or forgings
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	1/2 Compact, 3/4, 1, and 1.5 inch
Available Connections	Hygienic clamp, tube-end
Handle Colors	Standard: 1/2, 3/4, 1, and 1.5 inch black On request: blue, red, yellow, amber, green, purple
Maximum Pressure	150 psi
Maximum Temperature	135°C/275°F
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

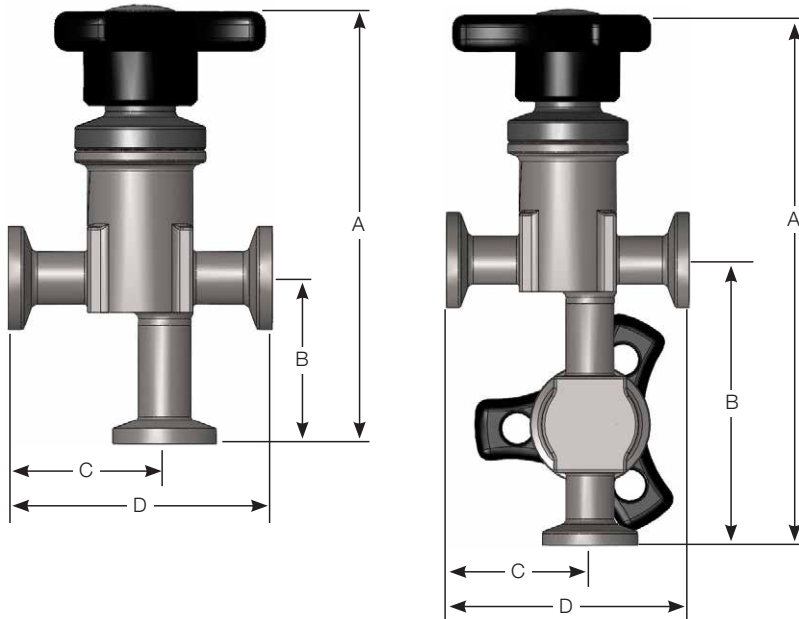
Types	Manual or pneumatic Fail open or closed
Material	Base is 304 stainless, manual handle is PES, pneumatic housing is PPS
Size	1/2, 3/4, 1, and 1.5 inch
Operating Air Pressure	100 psi max. for pneumatic actuators
Seals	Teflon bushings and o-rings
Fitting	1/8-inch NPT air connection (for pneumatic)
Possible Instrumentation	Switched With or without solenoids With or without DeviceNet cards

#### Diaphragms

Materials	EPDM	EPDM Plus
Temperature Range	-30 to 275°F	-30 to 275°F
Class	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.

## Ported SA Valve      Combination SA Valve



### Sterile access valve flow rates

Size inches	Cv at 1 psi (0.07 bar) GPM (LPM)
0.50 Compact	4.70 (17.8)
0.75	9.51 (36)
1.00	18.49 (70)
1.50	27.47 (104)

### Ported Sterile access valve dimensions

Size inches	A - with Manual Actuator in (mm)	A - with Pneumatic Actuator in (mm)	B in (mm)	C in (mm)	D in (mm)
0.50 Compact	4.10 (104.1)	6.32 (160.5)	1.58 (40.1)	1.48 (37.6)	2.50 (63.5)
0.75	4.38 (111.3)	8.63 (219.2)	1.86 (47.2)	1.93 (49.0)	3.00 (76.2)
1.00	6.03 (153.2)	11.11 (282.2)	1.98 (50.3)	2.97 (75.4)	4.50 (114.3)
1.50	6.33 (160.8)	15.15 (384.8)	2.24 (56.9)	3.88 (98.6)	5.50 (139.7)

### Combination Sterile access valve dimensions

Size inches	A - with Manual Actuator in (mm)	A - with Pneumatic Actuator in (mm)	B in (mm)	C in (mm)	D in (mm)
0.50 Compact	5.48 (139.2)	7.70 (195.6)	2.95 (74.9)	1.48 (37.6)	2.50 (63.5)
0.75	6.20 (157.5)	10.45 (265.4)	3.73 (94.7)	1.93 (49.0)	3.00 (76.2)
1.00	9.41 (239.0)	14.49 (368.0)	5.36 (136.1)	2.97 (75.4)	4.50 (114.3)
1.50	10.71 (272.0)	19.52 (495.8)	6.62 (168.1)	3.88 (98.6)	5.50 (139.7)

### Ported Sterile access valve weights

Size inches	Total Weight with Manual Actuator lb (kg)	Total Weight with Pneumatic Actuator lb (kg)
0.50 Compact	0.96 (0.44)	1.51 (0.69)
0.75	1.89 (0.86)	3.74 (1.70)
1.00	3.94 (1.79)	6.89 (3.13)
1.50	7.15 (3.25)	14.70 (6.68)

### Combination Sterile access valve weights

Size inches	Total Weight with Manual Actuator lb (kg)	Total Weight with Pneumatic Actuator lb (kg)
0.50 Compact	1.84 (0.84)	2.94 (1.34)
0.75	3.56 (1.62)	7.26 (3.30)
1.00	7.43 (3.38)	13.33 (6.06)
1.50	14.24 (6.47)	29.30 (13.32)