

Inline valves

Inline valves

Features and benefits

- Radial diaphragm - eliminates entrapment for easy cleaning
- Fully drainable within a 180 degree range of installation angles
- Simple, Tri-Clamp assembly makes maintenance 80 % faster compared to a weir type valve
- Integrated travel stops
- No readjustment or retightening



Performance

Performance		Cv (gpm)	Kv (m3/h) Kv = .865Cv
ASME BPE	0.5"	2.94	2.54
	0.75"	8.00	6.92
	1"	16.96	14.67
	1.5"	43.78	37.87
DIN 11866 DIN 32676 Series A	DN 10 A	2.94	2.54
	DN 15 A	8.00	6.92

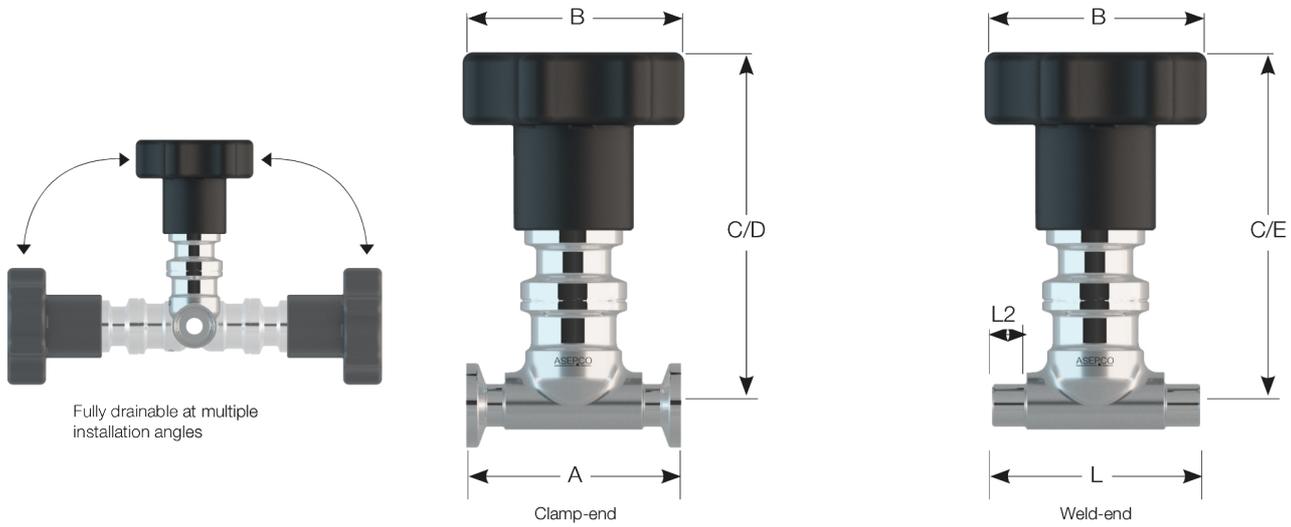
Technical specifications

	Inline valves
Mounting type	Clamp, Weld-in
Flow rate (Cv)	2.94 - 43.78 gpm
Flow rate (Kv)	2.54 - 37.87 m ³ /h
Mounting sizes	0.5 in, 0.75 in, 1.0 in, 1.5 in, DN 10 A, DN 15 A
Max. operating pressure	10 bar (150 psi)
Operating temperature	-35 °C to 135 °C (-30 °F to 275 °F)
Compatible actuators	Fail closed, Manual, Pneumatic
Compatible diaphragms	EPDM, Silicone
Surface finish options	Electropolished, Inner: Max. 15 µin Ra (0.38 µm), Outer: Max. 32 µin Ra (0.8 µm)
Certification and compliance	ISO 9001
Standards	ASME BPE, ASME BPVC, CE-PED
Weight	0.12 - 1.1 kg (0.27 - 2.43 lbs)

Materials of construction

	Inline valves
Material	Stainless steel 316L

Inline valves dimensions



Dimensions									
Size	A mm (inch)	L mm (inch)	L2 mm (inch)	B - with manual actuator mm (inch)	B - with pneumatic actuator mm (inch)	C - with manual actuator mm (inch)	D - with pneumatic actuator mm (inch)	E - with pneumatic actuator mm (inch)	
ASME BPE	0.5"	63.5 (2.5)	81.0 (3.19)	20.1 (0.79)	66.4 (2.6)	45.7 (1.8)	100.5 (4.0)	149.9 (5.9)	149.9 (5.9)
	0.5"	101.6 (4.0)	104.8 (4.13)	20.4 (0.80)	66.4 (2.6)	85.8 (3.4)	100.5 (4.0)	170.0 (6.7)	170.0 (6.7)
	1"	114.3 (4.5)	114.3 (4.5)	20.7 (0.81)	66.4 (2.6)	85.8 (3.4)	119.7 (4.7)	189.4 (7.5)	189.4 (7.5)
	1.5"	139.7 (5.5)	139.7 (5.5)	22.2 (0.87)	66.4 (2.6)	105.0 (4.1)	126.0 (5.0)	207.5 (8.2)	207.5 (8.2)
DIN 11866	DN 10 A	108.0 (4.25)	108.0 (4.25)	33.6 (1.32)	66.4 (2.6)	45.7 (1.8)	101.0 (4.0)	150.0 (5.9)	150.0 (5.9)
DIN 32676 Series A	DN 15 A	108.0 (4.25)	108.0 (4.25)	21.9 (0.86)	66.4 (2.6)	85.8 (3.4)	101.0 (4.0)	170.5 (6.7)	170.5 (6.7)

C, D and E dimension shown when valve is in closed position All dimensions are for reference only

Weights

Size	Connection	Valve body weight		Assembly weight			
		lbs	kg	Weight with manual actuator (lbs)	Weight with manual actuator (kg)	Weight with pneumatic actuator (lbs)	Weight with pneumatic actuator (kg)
ASME BPE	0.5" Clamp-end	0.30	0.13	1.5	0.67	1.7	0.76
	0.5" Weld-end	0.27	0.12	1.4	0.65	1.6	0.75
	0.75" Clamp-end	0.64	0.29	2.1	0.97	3.1	1.41
	0.75" Weld-end	0.62	0.28	2.1	0.96	3.1	1.40
	1" Clamp-end	1.36	0.62	3.5	1.58	4.4	2.02
	1" Weld-end	1.13	0.51	3.2	1.47	4.2	1.91
	1.5" Clamp-end	2.53	1.15	7.2	3.25	9.3	4.22
	1.5" Weld-end	2.43	1.10	7.1	3.20	9.2	4.17
DIN 11866 DIN 32676 Series A	DN 10 A Clamp-end	0.47	0.21	1.6	0.75	1.8	0.84
	DN 10 A Weld-end	0.27	0.12	1.4	0.65	1.6	0.75
	DN 15 A Clamp-end	0.80	0.36	2.3	1.04	3.3	1.48
	DN 15 A Weld-end	0.61	0.28	2.1	0.96	3.1	1.40

Product codes

Type FC*: Compact Valve body with Clamp-end IC: Valve Body with Clamp-end FW*: Compact Valve body with Weld-end IW: Valve body with Weld-end *Only used with 0.5" and DN 10 A valves		Surface Finish R _a 15 µin (0,38 µm)	Example IC08-1100-2: 0.75" Weirless inline valve, Clamp-end inlet and Clamp-end outlet R _a 15 µin (0.38 µm)
Size 05: 0.5" 08: 0.75" 10: 1" 17: 1.5" 05: DN 10 A 08: DN 15 A	Sequential Number* Straight clamp-end inlet and straight clamp-end outlet *Varies per valve body shape 1100 - ASME BPE 2100 - DIN 11866, DIN 32676 Series A		

Disclaimer: The information contained in this document is believed to be correct but ASEPCO accepts no liability for any errors it contains and reserves the right to alter specifications without notice. It is the user's responsibility to ensure product suitability for use within their application. Radial diaphragm is a trademark of ASEPCO Corporation. Tri-Clamp is a registered trademark of Alfa Laval Corporate AB. A member of Watson-Marlow Fluid Technology Solutions, A Spirax-Sarco Engineering plc company.



wmfts.com/global
14 July 2025