Multi-Choice Weld-In-Place Design

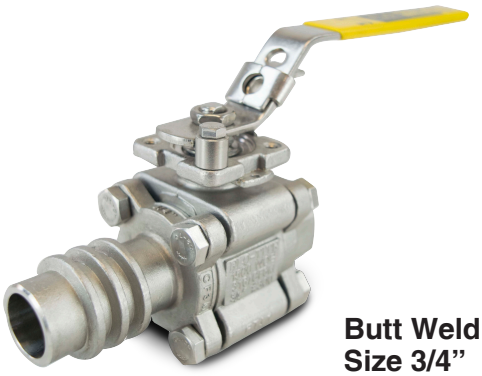
Eliminate valve disassembly when welded ball valves are required.

Model Number

Socket Weld
Size 1-1/2”

	Stainless Steel	Carbon Steel
Butt Weld	335-SS	235-CS
Socket Weld	325-SS	225-CS

Scan me



Butt Weld
Size 3/4”

Size Range:
1/4” - 4”

Temp. Range:
Consult Factory

Pressure:
1500 MAWP/WOG

Features

Safer Installation
Reduced Liability
Save Valuable Time
Reduce Labor Cost
Assures Fool-Proof Installation

Weld In Place Design Series
STANDARD PRODUCT NUMBER

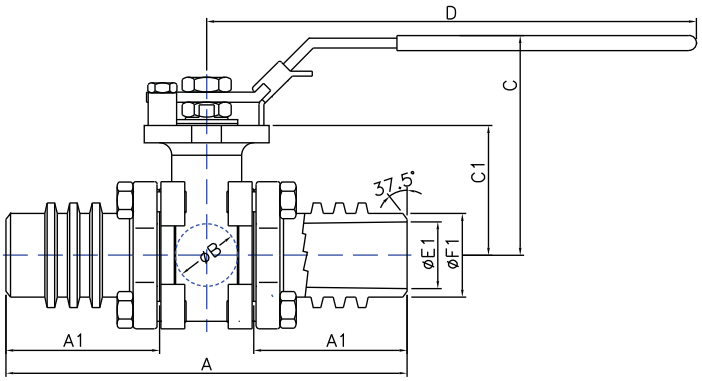
325-SS-2-FFF-L	(SS SW)
335-SS-3-FFF-L	(SS BW)
225-CS-2-FFF-L	(CS SW)
235-CS-3-FFF-L	(CS BW)

Supertek III - High Temperature Body Seals - Standard

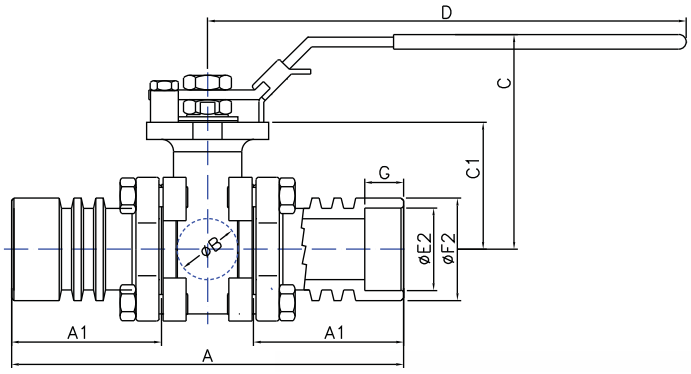
Flo-Tite’s Weld-In-Place Design Advantage

Flo-Tite’s Multi-Choice three piece Series Ball Valves with socket or butt weld connections offer an important advantage of integral extended end caps with heat sink rings that have a series of radiator-type grooves cast into the outside diameter. This creates increased surface area, allowing more heat to dissipate during welding, protecting the valve seat materials from damaging heat transfer. This unique design allows Flo-Tite’s three piece soft-seated valves to be welded into the piping system without disassembly and without special welding procedures. Flo-Tite’s special end cap design is supported with Super-Tek III high temperature body seals and SuperTek TFM seats, which are provided standard in this high performance ball valve. Our unique design also minimizes potential installation errors, while providing a cost effective and safe installation for both manual and automated ball valves.

Dimensions / Tech Data



Butt Weld



Socket Weld

ATTENTION

MAWP/WOG is a do not exceed pressure at normal ambient NPT & Weld End Models

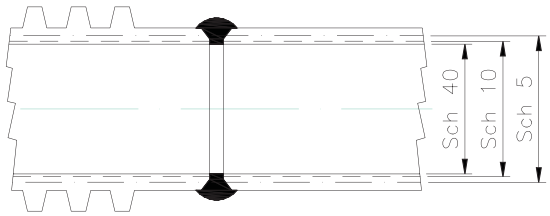
							Sch 40		Sch 10		Sch 5				
Size	A	A1	B	C	C1	D	E1	F1	E1	F1	E1	F1	E2	F2	G
1/2"	5.57	2.26	0.59	2.60	1.54	6.50	0.62	0.84	0.67	0.84	0.71	0.84	0.85	1.10	0.50
3/4"	6.06	2.38	0.79	2.91	1.66	6.50	0.82	1.05	0.88	1.05	0.92	1.05	1.07	1.39	0.56
1"	6.32	2.42	0.98	3.43	2.05	7.87	1.05	1.31	1.10	1.31	1.19	1.31	1.33	1.65	0.63
1 1/2"	6.94	2.33	1.50	4.13	2.60	9.84	1.61	1.90	1.68	1.90	1.77	1.90	1.91	2.36	0.75
2"	7.76	2.51	1.97	4.53	2.95	9.84	2.07	2.38	2.16	2.38	2.25	2.38	2.41	2.91	0.87
3"	9.45	2.72	2.99	6.40	3.72	15.4	3.07	3.50	3.26	3.50	3.33	3.50	3.54	4.17	0.98
4"	10.56	2.84	4.02	7.10	4.35	15.4	4.03	4.50	4.26	4.50	4.33	4.50	4.54	5.31	1.18

All weld end connections are either 316L/CF3M or WCB A216 carbon steel. Schedule 40 standard, optional Sch 5 or Sch 10.

Schedule 80 & Schedule 160 are available in other Flo-Tite's Models

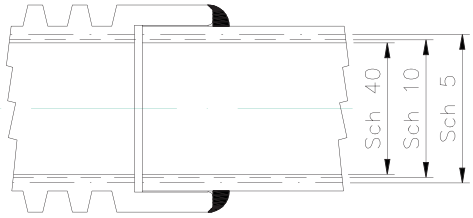
Flo-Tite's welding ends adhere to Test Specification: ASME B16.11

Butt Weld End



The butt weld ends are prepared by beveling each end of the valve to match a similar bevel on the pipe. The two ends are then butted to the pipe line and joined with a full penetration weld.

Socket Weld End



The socket weld ends are prepared by boring in each end of the valve a socket with an inside diameter slightly larger than the pipe outside diameter. The pipe slips into the socket where it butts against a shoulder and then joins to the valve with a fillet weld.

Additional valve technical information can be found in our Multi-Choice Series Brochure, Tech Bulletin Page 45.

Larger Sizes Consult Factory

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