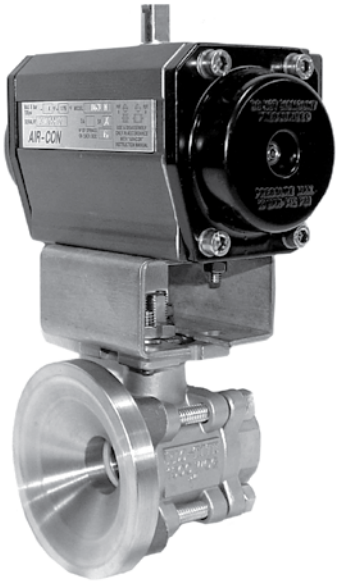
FLO-TITE™ valves & controls

3 PC Full Bore Tank Valve

FLUSH BOTTOM SERIES

Series: TK300 Size: 1”- 8”



DESIGN FEATURES:

The geometric design of the valve pad is an integral part of the surface, allowing a smooth flow preventing stagnation of the media, resulting in a perfect adaptor between the tank and the valve body.

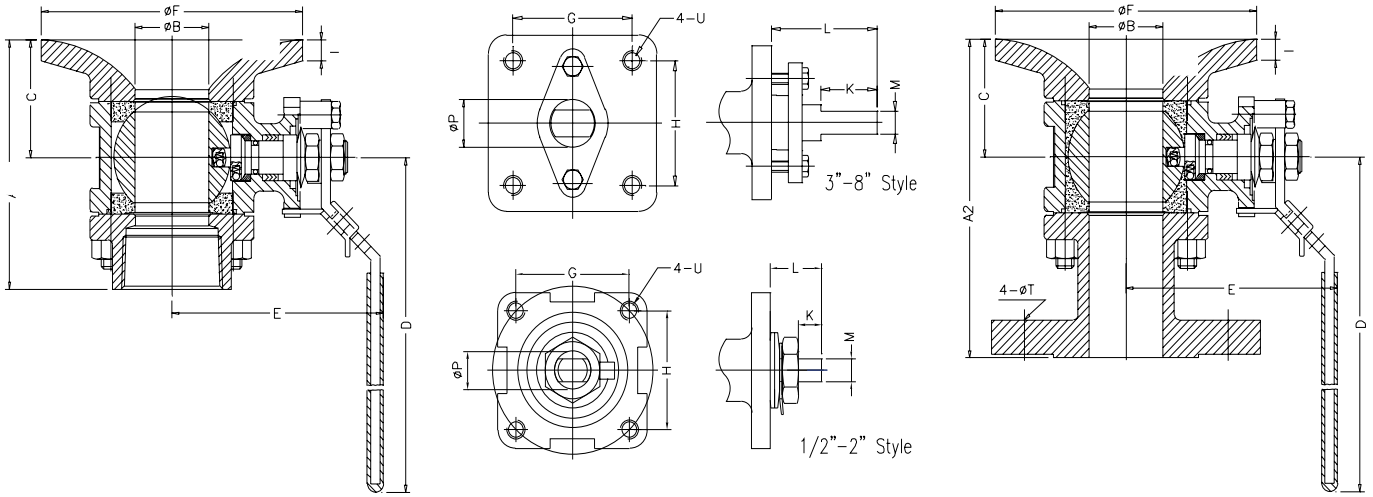
Our Flush Bottom Series minimizes the dead space between the valve ball and the tank.

Model Numbers	Pipe Side End Connection Option
TK300-1	Threaded
TK300-2	Socket Weld
TK300-3	Butt Weld
TK300-4	ANSI Class 150
TK300-5	Sanitary Clamp
TK300-7	Tube O.D.

Full body cavity fillers, available for all sizes

Flo-Tite’s Flush Bottom Valves meet ASME Boiler and Pressure Vessel Code Section 8, Tank Flange Class 150 and 300.

DESIGN & TECHNICAL DATA



Models:
Tank Pad x NPT - TK300SS-1
Tank Pad x SW - TK300SS-2
Tank Pad x BW - TK300SS-3

Preasure Rating:
1000 WOG

NOTE: Verify the dimensions before manufacturing mounting hardware.

Model:
Tank Pad x Flanged -

ANSI 150: TK300SS-4
ANSI 300 TK300SS-8

DIMENSIONS, WEIGHTS

SIZE	A 1	A 2	B	C	D	E	F	G	H	I	K	L	M	P	U	Torque In-Lb	Weight Lbs
1	3.50	4.70	1.0	1.69	7.87	3.45	3.60	1.392	1.392	0.34	0.43	0.75	0.315	0.429	1/4"-2OUNC	98	4
1 1/2"	4.63	6.22	1.5	2.20	9.87	4.15	5.38	1.949	1.949	0.50	0.55	0.91	0.374	0.618	5/16"-18UNC	270	9
2	5.30	7.00	2.0	2.50	9.87	4.55	6.00	1.949	1.949	0.63	0.55	0.91	0.374	0.618	5/16"-18UNC	350	14
3	7.95	9.03	3.0	4.00	15.25	6.45	10.00	2.840	1.874	0.69	1.75	3.07	0.669	1.102	1/2"-13UNC	780	44
4	9.75	12.15	4.0	5.20	15.25	7.10	11.38	2.840	1.874	0.94	1.75	3.07	0.669	1.102	1/2"-13UNC	1600	70
6	C/F	14.95	6.0	7.20	44.00	12.30	12.30	3.480	3.480	1.00	1.65	3.58	1.024	1.713	1/2"-13UNC	4600	150
8	C/F	17.43	8.0	8.43	44.00	13.50	18.00	3.480	3.480	1.23	1.65	3.58	1.024	1.713	1/2"-13UNC	10800	C/F

Note: For additional technical information see standard tech bulletin pages 45-07, 46-07, 47-07, Multi-Choice series.

The Flo-Tite flush bottom tank valve is a compact, reliable product designed specifically for welding to any shape tank or vessel. The pad is stainless steel type CF3M-316L that is ideal for welding, because of its true full port design, tank-emptying times are minimized and port plugging or clogging is eliminated. There is very little stagnant area due to the close proximity of the ball to the flush plate.

Cavity filters may be added to Flo-Tite's flush bottom series. Designed to fill the cavity of the valve between the body and the ball, they minimize problems with trapped fluid in the valve body that could contaminate the process or prevent smooth operation of the valve. Flo-Tite designs its cavity filters to be integral part of the valve-seat it eliminates the need to have two standard seats and two part cavity filters.

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