

Flush Bottom Tank Valve

S&K Automation, LLC Phone: 763-476-1013

FLUSH BOTTOM SERIES

Series: TK380 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.

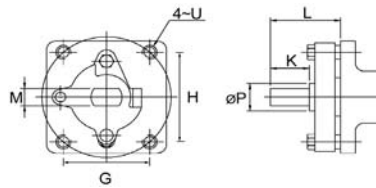
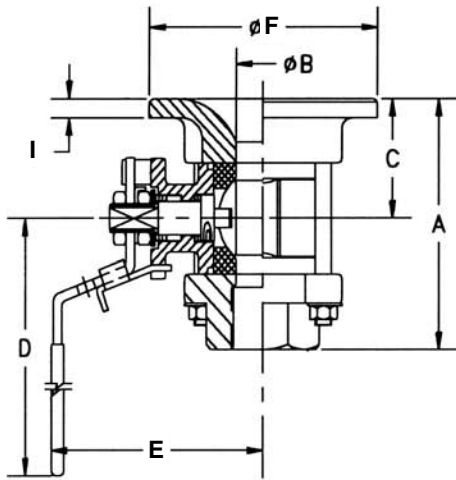
Our Flush Bottom Series minimizes the dead space between the valve ball and the tank.

Model Numbers	Pipe Side End Connection Option
TK381	Threaded
TK382	Socket Weld
TK383	Butt Weld
TK384	ANSI Class 150
TK385	Sanitary Clamp
TK387	Tube O.D.

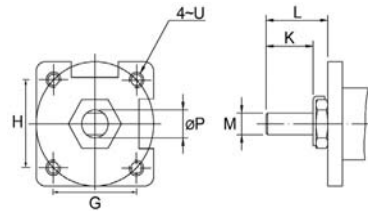
Full body cavity fillers, available for all sizes

Flush Bottom Valves meet ASME Boiler and Pressure Vessel Code Section 8, Tank Flange Class 150 and 300.

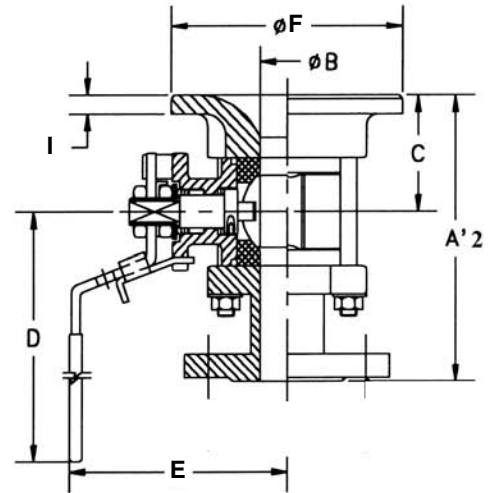
DESIGN & TECHNICAL DATA



2 - 1/2" - 12" Style



1/2" - 2" Style



Models:

Tank Pad x NPT - TK381
 Tank Pad x SW - TK382
 Tank Pad x BW - TK383

Pressure Rating:
 1000 WOG

**NOTE: Verify the dimensions
 before manufacturing mounting
 hardware.**

Model:

Tank Pad x Flanged - TK384

Pressure Rating:
 ANSI - 150 / ANSI - 300

DIMENSIONS, WEIGHTS

SIZE	A 1	A 2	φ B	C	D	E	F	G	H	I	K	L	M	φ P	U	APPROX. WEIGHT
1	3.50	4.70	1.0	1.75	6.80	3.86	3.60	1.392	1.392	0.35	0.43	0.75	0.315	0.429	1/4"-20UNC	4 LBS.
1 1/2"	4.70	6.22	1.5	2.31	9.87	4.89	5.38	1.949	1.949	0.50	0.55	0.91	0.374	0.618	5/16"-18UNC	9 LBS.
2	5.30	7.00	2.0	2.68	9.87	5.04	6.00	1.949	1.949	0.63	0.55	0.91	0.374	0.618	5/16"-18UNC	14 LBS.
3	7.95	9.10	3.0	4.00	15.25	6.95	10.00	3.543	1.874	0.69	1.75	3.07	0.669	1.102	1/2"-13UNC	44 LBS.
4	9.75	12.15	4.0	5.50	15.25	7.75	11.38	3.543	1.874	0.95	1.75	3.07	0.669	1.102	1/2"-13UNC	70 LBS.
6	C/F	14.95	6.0	7.20	44.00	12.30	12.10	3.480	3.480	1.00	1.65	3.58	1.024	1.713	1/2"-13UNC	150 LBS.
8		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	C/F

Note: For additional technical information see standard tech bulletin pages 45-05, 46-05, 47-05.

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 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. Cavity filters to be integral part of the valve-seat it eliminates the need to have two standard seats and two part cavity filters.