



## 3 PC Full Bore Tank Valve

### FLUSH BOTTOM SERIES

**Series: TK300 Size: 1" - 8"**



**CF3M-316L Tank Pad**

### DESIGN FEATURES:

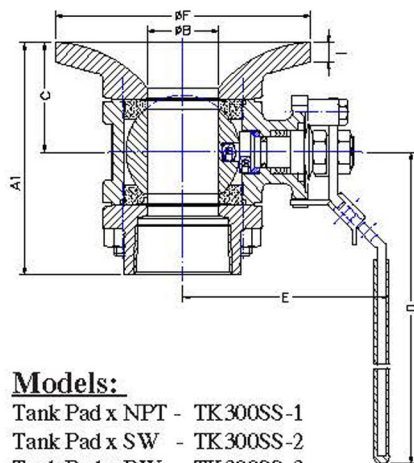
The geometric design of the tank pad is an integral part of the surface, allowing a smooth flow preventing stagnation of the media, resulting in a perfect adaptor between the tank and the valve body.

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.                       |

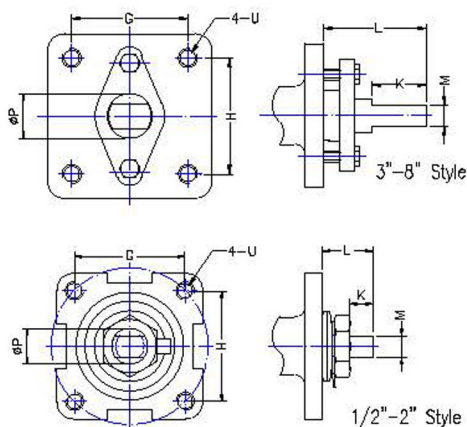
Full body cavity fillers, available for all sizes

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

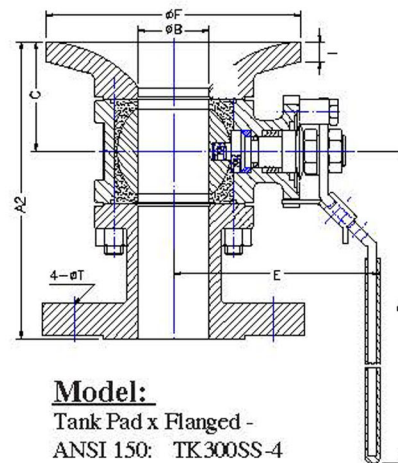


## Models:

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



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



## Model:

Tank Pad x Flanged -  
 ANSI 150: TK300SS-4  
 ANSI 300 TK300SS-8

## TK300 Series

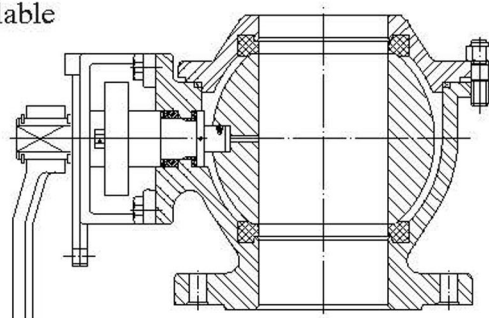
### Pressure Rating:

1" - 2" 1500 WOG  
 3" - 4" 1250 WOG  
 6" - 8" 740 WOG

Flanged End By Butt Weld Available  
 Consult Factory for Dimensions

Tank Flange Series  
 Pressure Rating:  
 TKF150: Class 150  
 TKF300: Class 300

Model:  
 Butt Weld Tankpad x Flanged  
 ANSI 150: TKF150SS  
 ANSI 300 TKF300SS



## DIMENSIONS, WEIGHTS

| SIZE   | A1   | A2    | B   | C    | D     | E     | F     | G     | H     | I    | K    | L    | M     | P     | U          | Torque<br>In-Lb | Weight<br>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 | 1/4-20unc  | 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 | 2.840 | 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 | 2.840 | 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           |

The Stayflow 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 Stayflow'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. Stayflow 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.



sales@stayflowproducts.com 312-428-4750 www.stayflowproducts.com