

Super-Tek Seat

SS

2000 WOG

Fusion Series

T23-SS-F-G-G-L-???

FIRESAFE PER API 607-5

| SIZE   |     | ØD   |       | ØG   |     | H    |        | h    |       | I    |    | ØJ   |    | K    |       | L    |     | M   | P    |       | W     |     | FO  |
|--------|-----|------|-------|------|-----|------|--------|------|-------|------|----|------|----|------|-------|------|-----|-----|------|-------|-------|-----|-----|
| inch   | mm  | inch | mm    | inch | mm  | inch | mm     | inch | mm    | inch | mm | inch | mm | inch | mm    | inch | mm  |     | inch | mm    | inch  | mm  |     |
| 1/4"   | 8   | 0.43 | 11    | 1.42 | 36  | 2.17 | 55     | 0.94 | 24    | 0.20 | 5  | 0.31 | 8  | 0.35 | 9     | 2.32 | 59  | M5  | 0.57 | 14.50 | 5.31  | 135 | F04 |
| 3/8"   | 10  | 0.49 | 12.50 | 1.42 | 36  | 2.17 | 55     | 0.94 | 24    | 0.20 | 5  | 0.31 | 8  | 0.35 | 9     | 2.32 | 59  | M5  | 0.57 | 14.50 | 5.31  | 135 | F04 |
| 1/2"   | 15  | 0.59 | 15    | 1.42 | 36  | 2.24 | 57     | 1.02 | 26    | 0.20 | 5  | 0.31 | 8  | 0.45 | 11.50 | 2.52 | 64  | M5  | 0.69 | 17.50 | 5.31  | 135 | F04 |
| 3/4"   | 20  | 0.79 | 20    | 1.42 | 36  | 2.50 | 63.50  | 1.28 | 32.50 | 0.24 | 6  | 0.39 | 10 | 0.55 | 14    | 2.87 | 73  | M5  | 0.79 | 20    | 5.31  | 135 | F04 |
| 1"     | 25  | 0.98 | 25    | 1.65 | 42  | 2.66 | 67.50  | 1.42 | 36    | 0.31 | 8  | 0.47 | 12 | 0.65 | 16.50 | 3.35 | 85  | M5  | 0.91 | 23    | 6.50  | 165 | F05 |
| 1 1/4" | 32  | 1.26 | 32    | 1.65 | 42  | 2.87 | 73     | 1.63 | 41.50 | 0.31 | 8  | 0.47 | 12 | 0.65 | 16.50 | 3.94 | 100 | M5  | 0.91 | 23    | 6.50  | 165 | F05 |
| 1 1/2" | 40  | 1.50 | 38    | 1.97 | 50  | 3.56 | 90.50  | 2.01 | 51.15 | 0.31 | 8  | 0.55 | 14 | 0.79 | 20    | 4.53 | 115 | M6  | 1.06 | 27    | 6.89  | 175 | F07 |
| 2"     | 50  | 1.97 | 50    | 1.97 | 50  | 4.17 | 106    | 2.56 | 65    | 0.39 | 10 | 0.55 | 14 | 0.79 | 20    | 5.28 | 134 | M6  | 1.06 | 27    | 9.65  | 245 | F07 |
| 2-1/2" | 65  | 2.56 | 65    | 2.76 | 70  | 5.06 | 128.50 | 3.15 | 80    | 0.47 | 12 | 0.79 | 20 | 1.14 | 29    | 6.54 | 166 | M8  | 1.56 | 39.50 | 12.60 | 320 | F10 |
| 3"     | 80  | 3.15 | 80    | 2.76 | 70  | 5.49 | 139.50 | 3.58 | 91    | 0.47 | 12 | 0.79 | 20 | 1.14 | 29    | 7.44 | 189 | M8  | 1.56 | 39.50 | 12.60 | 320 | F10 |
| 4"     | 100 | 3.94 | 100   | 4.02 | 102 | 6.50 | 165    | 4.41 | 112   | 0.63 | 16 | 0.98 | 25 | 1.48 | 37.50 | 9.09 | 231 | M10 | 2.07 | 52.50 | 10.80 | 274 | F12 |

DETAIL D

Pressure Release Hole

PRESSURE RATING 2000 WOG

|                             |             |
|-----------------------------|-------------|
| SEAT TEST @ 80~100 PSI      | ASME B16.34 |
| SHELL TEST @ 2175 PSI       | ASME B16.34 |
| PRESSURE TEMPERATURE RATING | ASME B16.34 |
| END CONNECTION              | ASME B16.11 |
| JOINT STRENGTH              | ASME B16.34 |
| WALL THICKNESS              | ASME B16.34 |
| BASIC DESIGN                | ASME B16.34 |

Actuator ISO Mounting Flange 5211

QR CODE

| No. | Parts              | Material             |
|-----|--------------------|----------------------|
| 1   | Body               | ASTM A351 CF8M       |
| 2   | End Cap            | ASTM A351 CF8M       |
| 3   | Seat               | Super-Tek (TFM 1600) |
| 4   | Ball               | ASTM A351 CF8M       |
| 5   | Gasket             | Graphite             |
| 6   | Thrust Washer      | TFM                  |
| 7   | Stem Packing       | GRAPHITE             |
| 8   | Stem               | A276-316 / 17-4PH    |
| 9   | Gland              | SS304                |
| 10  | Handle Washer      | SS304                |
| 11  | Handle Nut         | SS304                |
| 12  | Handle             | SS304                |
| 13  | Handle Cover       | PVC                  |
| 14  | Stop Screw         | SS304                |
| 15  | Locking Device     | SS304                |
| 16  | Anti-Static Device | SS316                |

FOR CERTIFIED  
DRAWING CONSULT  
FACTORY

Drawn by : M

Checked by : M

Approved by : M

Date : June 21, 2019

Date : June 21, 2019

Date : June 21, 2019

Scale : Not To Scale

Unit : Inch

Material : See Notes

Rev : 0

Sheet : xxx

Drawing Title: NPT - FULL PORT BALL VALVE

Drawing No.: DS-T23SSFGGL???

FLOOTITE™

4815 W. 5th Street  
Lumberton, NC 28358  
Website: www.flotite.com

Tel : 910-738-8904  
Fax : 910-738-9112  
E-mail : flotite@flotite.com

REVIEW ALL STANDARD SOFT PARTS FOR APPLICATION COMPATIBILITY