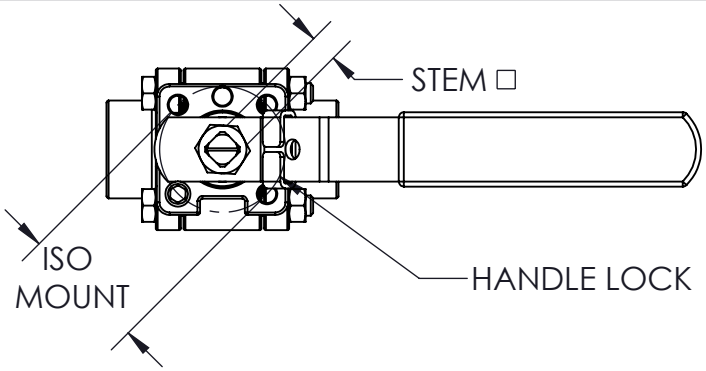
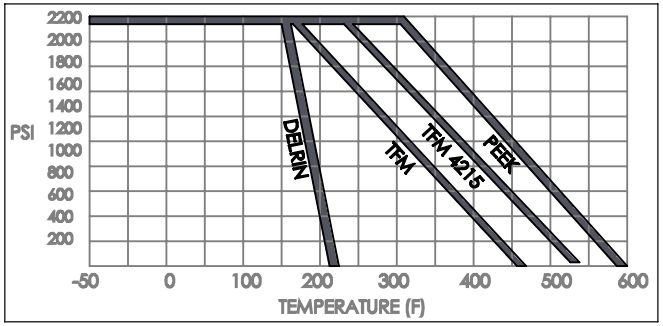
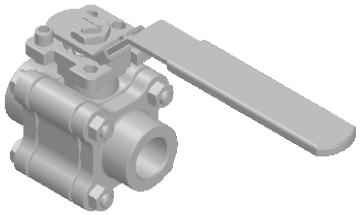
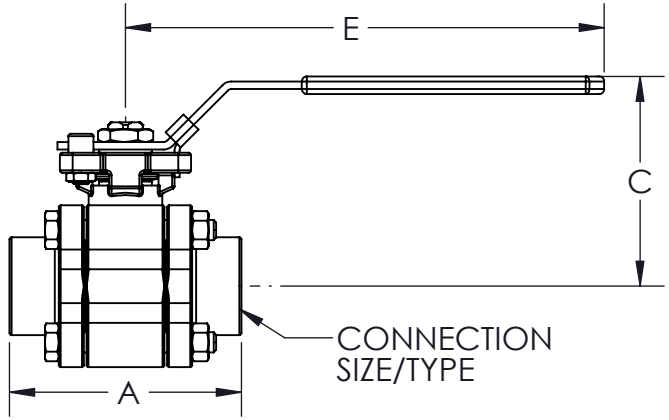
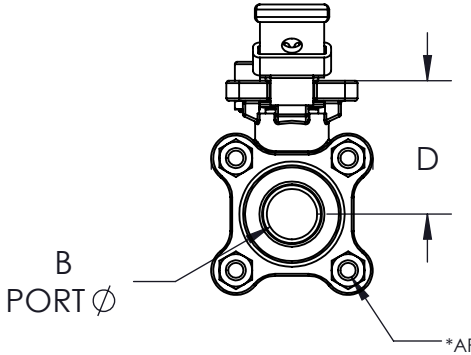





*APPEARANCE NOTE:
1" TO 1.5" IS 4 LUG BODY (SHOWN)
2" IS 6 LUG BODY
2.5-3" IS 8 LUG BODY
4" IS 16 LUG BODY

**NOTES:**

-FIRE SAFE API 607 6TH ED
-NACE MR0175
-(CARBON STEEL) 2220 PSI
-(STAINLESS) 2160 PSI
1/4" THRU 2"
1500 PSI 2-1/2" TO 4"
-OPTIONAL V-BALL
-CLASS 900 1/4"-2"
-CLASS 600 2-1/2"-UP
-SOCKET AND BUTT WELD AVAILABLE

**MATERIALS**

| PART | MATERIAL |
|---|---|
| BODY/ENDCAPS | CF8M(SS) WCB(CS) |
| BALL | 316SS |
| STEM | 316SS |
| SPLIT RING | 316SS |
| ANTISTATIC WASHER | 316SS |
| UPPER THRUST WASHER | TFM |
| BODY GASKET | TFM |
| STEM PACKING | TFM |
| LOWER THRUST WASHER | PEEK |
| GLAND WASHER | 304SS |
| STEM NUT | 304SS |
| NUT STOP | 304SS |
| SPACE WASHER | 304SS |
| PLATE | 304SS |
| SET BOLT | 304SS |
| UP TO 2" HANDLE & LOCK | 304SS |
| 2"-UP HANDLE | C/S PIPE |
| SEAT OPTIONS | TFM4214 (STD) |
| | DELRIN |
| | PEEK |
| | TFM |

**DIMENSIONAL DATA**

| PART-STAINLESS | PART-CARBON STEEL | SIZE-NPT | A | B | C | D | E | Cv | TORQUE: IN/LBS | WEIGHT (LBS) | ISO MOUNT | STEM SQ.(MM) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S3F22-2 | C3F22-2 | 1/4 | 2.61 | 0.43 | 2.18 | 1.81 | 5.12 | 8.5 | 71 | 1.5 | F03/F04 | 9 |
| S2F22-3 | C3F22-3 | 3/8 | 2.61 | 0.49 | 2.18 | 1.81 | 5.12 | 8.5 | 71 | 1.5 | | |
| S3F22-4 | C3F22-4 | 1/2 | 2.75 | 0.59 | 2.26 | 1.89 | 5.12 | 21 | 107 | 2.2 | | |
| S3F22-6 | C3F22-5 | 3/4 | 3.62 | 0.79 | 2.55 | 2.08 | 6.10 | 50 | 133 | 3.8 | F04/F05 | 11 |
| S3F22-8 | C3F22-8 | 1 | 4.13 | 0.98 | 2.79 | 2.32 | 6.10 | 90 | 160 | 5.6 | | |
| S3F22-10 | C3F22-10 | 1-1/4 | 4.37 | 1.26 | 3.01 | 2.44 | 8.07 | 110 | 222 | 7.0 | F05/F07 | 14 |
| S3F22-12 | C3F22-12 | 1-1/2 | 4.88 | 1.49 | 3.32 | 2.75 | 8.07 | 240 | 416 | 11 | | |
| S2F22-16 | C3F22-16 | 2 | 5.90 | 1.97 | 4.29 | 3.54 | 11.81 | 400 | 736 | 22 | F07/F10 | 17 |
| S2F22-20 | C3F22-20 | 2-1/2 | 6.49 | 2.50 | 4.84 | 4.13 | 13.78 | 700 | 1461 | 32 | | |
| S2F22-24 | C3F22-24 | 3 | 7.68 | 3.07 | 5.66 | 4.68 | 15.75 | 980 | 2213 | 44 | F10/F12 | 22 |
| S3F22-32 | C3F22-32 | 4 | 9.64 | 3.89 | 6.65 | 5.67 | 15.75 | 1700 | 3368 | 87 | | |

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DRAWING NAME:
HIGH PRESSURE 3F22 SERIES FIRE SAFE 2-WAY BALL VALVES

| MATERIAL: -- | A | DRAWING NUMBER: S3F22-SERIES | REV. 2 |
|---|---|---|---|
| SCALE: N.T.S. | NAME: MCH | DATE: 5/16/2023 | |