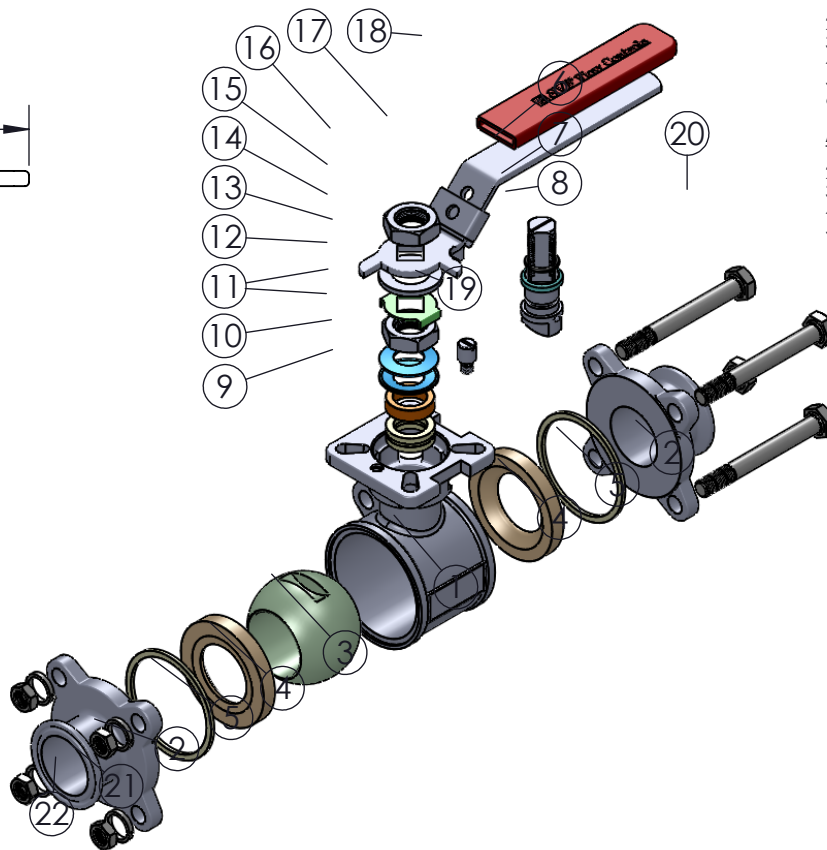
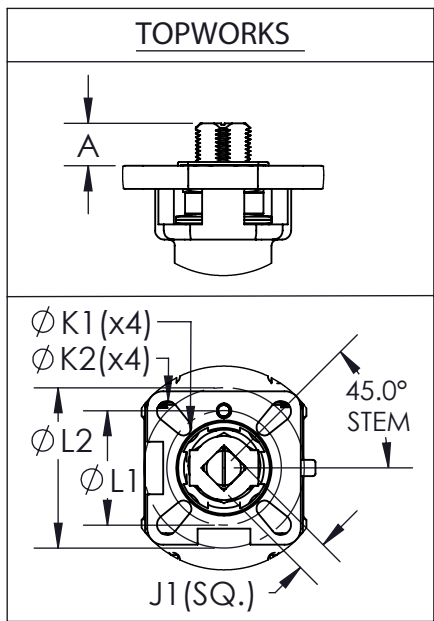
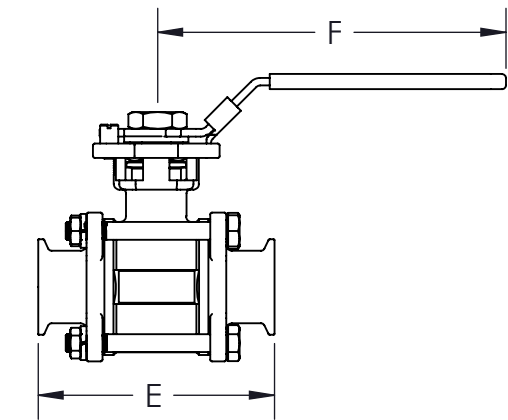
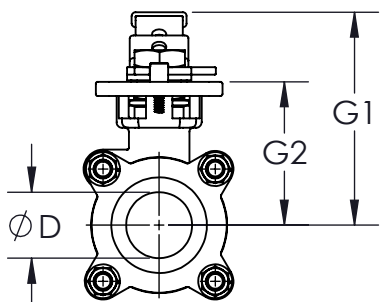


* AT FULL DIFFERENTIAL PRESSURE FOR CLEAN FLUIDS WITH PTFE SEATS

SIZE	A	øD	øD1	E	F	G1	G2	J1	øK1	øK2	øL1	øL2	ISO 5211	WEIGHT (lbs)	Cv	TORQUE* (in-lbf)	BODY BOLT SIZE	BODY NUT SIZE
1/2"	0.35 (9)	0.37 (9)	0.98 (25)	3.50 (89)	4.92 (125)	2.91 (74)	1.65 (42)	0.35 (9)	0.24 (6)	0.24 (6)	1.42 (36)	1.65 (42)	F03-F04	1.2	7	50	5/16" x 48	5/16"
3/4"	0.35 (9)	0.62 (16)	0.98 (25)	4.13 (105)	4.92 (125)	2.91 (74)	1.77 (45)	0.35 (9)	0.24 (6)	0.24 (6)	1.42 (36)	1.65 (42)	F03-F04	1.3	26	50	5/16" x 48	5/16"
1"	0.43 (11)	0.87 (22)	2.01 (51)	4.49 (114)	6.10 (155)	3.50 (89)	2.20 (56)	0.43 (11)	0.24 (6)	0.28 (7)	1.65 (42)	1.97 (50)	F04-F05	3	61	93	5/16" x 63	5/16"
1-1/2"	0.55 (14)	1.37 (35)	2.01 (51)	5.51 (140)	7.28 (185)	4.33 (110)	3.00 (76)	0.55 (14)	0.28 (7)	0.35 (9)	1.97 (50)	2.76 (70)	F05-F07	4	182	161	3/8" x 88	3/8"
2"	0.55 (14)	1.87 (47)	2.52 (64)	6.14 (156)	7.28 (185)	4.64 (118)	3.27 (83)	0.55 (14)	0.35 (9)	0.43 (11)	1.97 (50)	2.76 (70)	F05-F07	7	410	223	3/8" x 102	3/8"
2-1/2"	0.67 (17)	2.37 (60)	3.07 (78)	7.76 (197)	9.76 (248)	6.42 (163)	4.25 (108)	0.67 (17)	0.28 (7)	0.43 (11)	2.76 (70)	4.02 (102)	F07-F10	17	710	415	1/2" x 145	1/2"
3"	0.67 (17)	2.87 (73)	3.58 (91)	9.01 (229)	9.76 (248)	6.77 (172)	4.60 (117)	0.67 (17)	0.35 (9)	0.43 (11)	2.76 (70)	4.02 (102)	F07-F10	26	1100	589	1/2" x 165	1/2"
4"	0.87 (22)	3.82 (97)	4.68 (119)	9.49 (241)	15.55 (395)	7.95 (202)	5.51 (140)	0.87 (22)	0.43 (11)	0.51 (13)	4.01 (102)	4.92 (125)	F10-F12	44	2050	774	5/8" x 194	5/8"



PRODUCT INFORMATION:

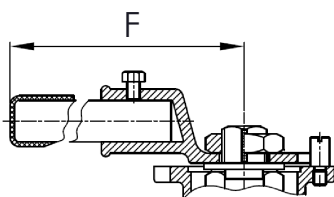
1. BLOW-OUT PROOF STEM
2. LOCKING DEVICE
3. ANTI-STATIC DEVICE
4. LIVE LOADING STEM SEAL
5. INTERNAL SURFACE FINISH OF 20 Ra
6. COMPLETE VALVE AUTOMATION

APPLICABLE STANDARDS:

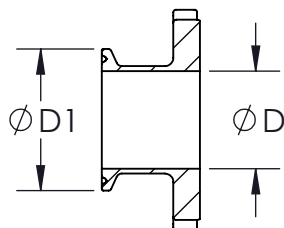
1. ASME B16.34: DESIGN
2. ISO 5211: MOUNTING
3. API 598: INSPECTION AND TESTING
4. CGA G-4.1: CLEANING FOR OXYGEN SERVICE
5. USP CLASS VI: CONFIRMATION OF COMPLIANCE (PTFE MATERIAL)

ITEM NO.	DESCRIPTION	MATERIALS	QTY.
1	BODY	A351-CF8M	1
2	END	A351-CF8M	2
3	BALL	A351-CF8M	1
4	SEAT	PTFE	2
5	BODY SEAL	PTFE	2
6	STEM	A276-316	1
7	STEM O-RING	VITON	1
8	STEM THRUST WASHER	TFM4215	1
9	STEM SEAL	PTFE	3
10	GLAND FOLLOWER	304 STAINLESS STEEL	1
11	BELLEVILLE WASHER	301 STAINLESS STEEL	2
12	JAM NUT	304 STAINLESS STEEL	1
13	LOCK TAB	304 STAINLESS STEEL	1
14	SPACER	304 STAINLESS STEEL	1
15	LEVER HANDLE	304 STAINLESS STEEL	1
16	HANDLE NUT	304 STAINLESS STEEL	1
17	LOCKING DEVICE	304 STAINLESS STEEL	1
18	HANDLE SLEEVE	PLASTIC	1
19	STOP PIN	304 STAINLESS STEEL	1
20	BODY BOLT	304 STAINLESS STEEL	4
21	SPRING WASHER	304 STAINLESS STEEL	4
22	BODY NUT	304 STAINLESS STEEL	4

4" VALVE WITH PIPE HANDLE:



END CONFIGURATION:



TRI-CLAMP END

DRAWN BY E.P. DATE 06/01/2017
 CHECKED BY E.G. DATE 03/22/2018
 APPROVED BY J.S. DATE 03/22/2018
(FOR REF. ONLY IF NOT APPROVED)

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PROJECTION THIRD ANGLE:



DESCRIPTION:
 1/2" - 4" SB9B 3-PIECE SANITARY BALL VALVE, TRI-CLAMP ENDS

UNITS: INCH (MILLIMETERS) DATE: 03/22/2018 REV: D

