

*AT FULL DIFFERENTIAL PRESSURE FOR CLEAN FLUIDS (CONSULT OUR ENGINEERING DEPARTMENT FOR TORQUES ON 6" AND 8" TRUNNION DESIGN VALVES)

SIZE	A	øD	E	F	G	J	øK1	øK2	øL1	øL2	ISO 5211	WEIGHT (lbs)	Cv	TORQUE* (in-lbf)
1/2"	0.31 (8)	0.59 (15)	5.50 (140)	4.72 (120)	3.38 (86)	0.35 (9)	0.24 (6)	0.23 (6)	1.42 (36)	1.65 (42)	F03-F04	4.18	38	62
3/4"	0.31 (8)	0.79 (20)	6.00 (152)	4.72 (120)	3.74 (95)	0.35 (9)	0.24 (6)	0.23 (6)	1.42 (36)	1.65 (42)	F03-F04	6.17	69	89
1"	0.39 (10)	0.98 (25)	6.50 (165)	5.70 (145)	3.97 (101)	0.43 (11)	0.24 (6)	0.27 (7)	1.65 (42)	1.97 (50)	F04-F05	9.9	113	106
1-1/2"	0.55 (14)	1.50 (38)	7.50 (190)	7.48 (190)	4.92 (125)	0.55 (14)	0.28 (7)	0.35 (9)	1.97 (50)	2.76 (70)	F05-F07	20.2	273	279
2"	0.55 (14)	1.97 (50)	8.50 (216)	7.48 (190)	5.19 (132)	0.55 (14)	0.28 (7)	0.35 (9)	1.97 (50)	2.76 (70)	F05-F07	22.7	485	285
2-1/2"	0.66 (17)	2.55 (65)	9.50 (241)	17.7 (450)	6.41 (163)	0.67 (17)	0.35 (9)	0.43 (11)	2.76 (70)	4.02 (102)	F07-F10	34.1	816	443
3"	0.66 (17)	3.07 (78)	11.1 (282)	17.7 (450)	6.73 (171)	0.67 (17)	0.35 (9)	0.43 (11)	2.76 (70)	4.02 (102)	F07-F10	59.0	1185	708
4"	0.74 (19)	3.94 (100)	12.0 (305)	17.7 (450)	7.83 (199)	0.74 (19)	0.35 (9)	0.43 (11)	2.76 (70)	4.02 (102)	F07-F10	94.1	2115	1110
6"	1.06 (27)	5.90 (150)	15.8 (403)	31.4 (800)	11.8 (300)	1.06 (27)	0.43 (11)	0.51 (13)	4.02 (102)	4.92 (125)	F10-F12	191.8	3900	2655
8"	1.46 (37)	8.00 (203)	19.75 (502)	31.5 (800)	14.56 (370)	1.42 (36)	0.71 (18)	0.87 (22)	5.51 (140)	6.50 (165)	F14-F16	360.0	9568	6196

PRODUCT INFORMATION:

1. LIVE-LOADED STEM PACKING
2. STANDARD LOCKING HANDLE
3. ANTI-STATIC DEVICE
4. BALL IS VENTED ON THE STEM SLOT AREA
5. SIZES 6" AND 8" ARE ALSO AVAILABLE IN TRUNNION DESIGN (SERIES B42T)
6. COMPLETE VALVE AUTOMATION
7. ALL STAINLESS STEEL PASSIVATED
8. FUGITIVE EMISSIONS: API 641

APPLICABLE STANDARDS:

1. NACE MR0175
2. ASME B16.34: DESIGN AND WALL THICKNESS
3. ASME B16.10: FACE TO FACE
4. ASME B16.5: END FLANGE
5. API 598: INSPECTION AND TESTING
6. API 607: FIRE SAFE (WITH GRAFOIL BODY SEALS ONLY)
7. ISO 5211: MOUNTING
8. USP CLASS VI: CONFIRMATION OF COMPLIANCE

OPTIONS:

1. ISO STEM EXTENSION
2. STEAM JACKET

ITEM NO.	DESCRIPTION	MATERIALS	QTY.
1	BODY	A216 WCB A216-WCB	1
2	END	A216 WCB A216-WCB	1
3	BALL	A182 F316	1
4	SEAT	TFM1600 SUPRALON	2
5	BODY SEAL	GRAFOIL PTFE	1
6	STEM	A276 316	1
7	O-RING	VITON	1
8	STEM THRUST WASHER	GRAFOIL PTFE	1
8-1	STEM TRHUST WASHER	PTFE+25%G.F.	1
9	STEM SEALS	GRAFOIL PTFE SLADE 330I	3
10	STEM SEALS	PTFE+25%G.F.	1
11	GLAND FOLLOWER	A276 304	1
12	BELLEVILLE WASHER	A276 304	2
13	STEM NUT	A276 304	1
14	TAB LOCK	A276 304	1
15	GLAND	A276 304	1
16	HANDLE (SIZES 1/2" - 2-1/2")	A276 304	1
17	HANDLE NUT	A276 304	1
18	LOCKING DEVICE (SIZES 1/2" - 2-1/2")	A276 304	1
19	HANDLE SLEEVE	PLASTIC	1
20	STOP PIN	A276 304	1
21	BODY BOLT	A193 B8	4
22	BODY NUT	A1394 8	4
23	TRIANGULAR STOPPER (SIZES 3" - 8")	A276 304	1
24	PIPE HANDLE ADAPTER (SIZES 3" - 8")	A351 CF8	1
25	PIPE HANDLE (SIZES 3" - 8")	A276 304	1
26	PIPE HANDLE SET SCREW (SIZES 3" - 8")	A276 304	1
27	ADAPTER SET SCREW (SIZES 3" - 8")	A276 304	1

DRAWN BY
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CHECKED BY
K.C.
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(FOR REF ONLY IF NOT APPROVED)
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DATE
11/30/2022
DATE
09/09/2026
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09/09/2026

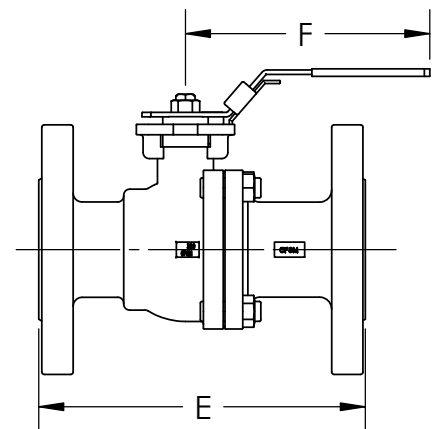
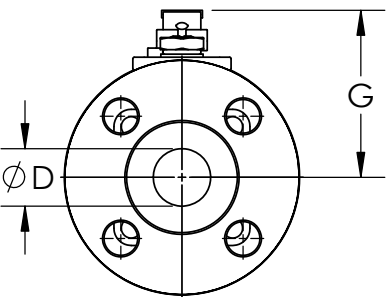
PROJECTION
THIRD ANGLE:
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SVF FLOW CONTROLS

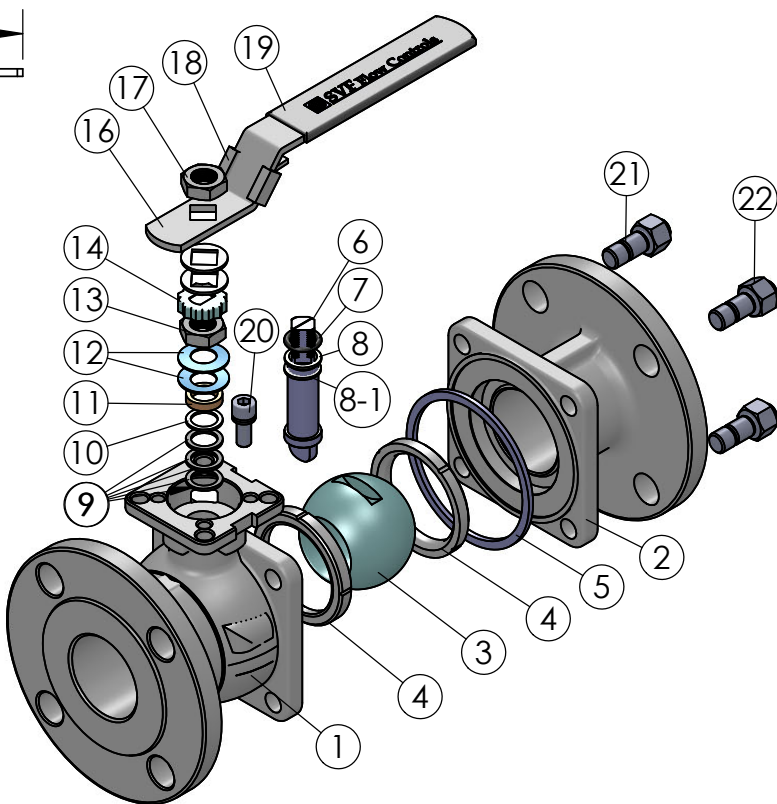
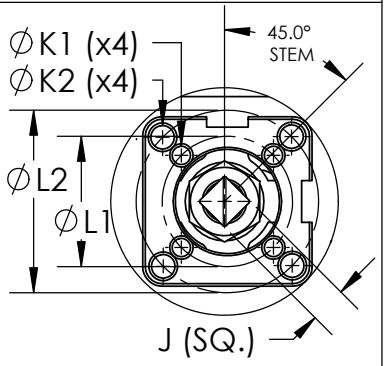
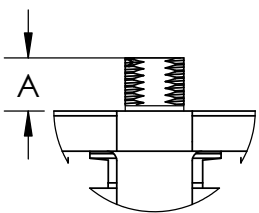
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DESCRIPTION:
1/2" - 8" B42D FLANGED BALL VALVE, ANSI CLASS 300, FULL PORT

UNITS: INCH (MILLIMETERS) DATE: 09/09/2026 REV: C



TOPWORKS:



SIZES 3" - 8" WITH PIPE HANDLE:

