

\* FULL PORT VALVES  
 \*\* AT FULL DIFFERENTIAL PRESSURE AT -320°F (-196°C) WITH PCTFE SEATS

SIZE	A	øD	E	F	G	H	J	K1	K2	øL1	øL2	øSW	NPT THREAD	ISO 5211	WEIGHT (lbs)	Cv	TORQUE** (in-lbf)
1/2"	0.31(8)	0.59(15)	2.95 (75)	6.14(156)	10.7(274)	1.96(50)	0.35(9)	0.19(5)	0.23(6)	1.65(42)	1.96(50)	0.86(22)	1/2"-14NPT	F04-F05	3.9	19	250
3/4"	0.31(8)	0.78(20)	3.14(80)	6.14(156)	10.8(276)	1.96(50)	0.35(9)	0.19(5)	0.23(6)	1.65(42)	1.96(50)	1.06(27)	3/4"-14NPT	F04-F05	4.8	35	300
1"	0.39(10)	0.98(25)	3.54(90)	7.12(181)	11.2(287)	2.59(66)	0.43(11)	0.23(6)	0.35(9)	1.96(50)	2.75(70)	1.33(34)	1"-11.5NPT	F05-F07	6.1	50	400
1-1/2"	0.51(13)	1.49(38)	4.72(120)	15.5(395)	15.8(403)	3.7(94)	0.55(14)	0.35(9)	0.43(11)	2.75(70)	4.01(102)	1.92(49)	1-1/2"-11.5NPT	F07-F10	16.3	200	700
2"	0.51(13)	1.96(50)	5.51(140)	15.5(395)	16.6(423)	3.7(94)	0.55(14)	0.35(9)	0.43(11)	2.75(70)	4.01(102)	2.42(61)	2"-11.5NPT	F07-F10	20.9	350	1600

**PRODUCT INFORMATION:**

1. END CONNECTIONS AVAILABLE IN: SCREWED (FNPT), SOCKET WELD, BUTT WELD, 150# FLANGE (RAISED FACE)
2. SERVICES INCLUDE: OXYGEN CLEANING
3. BALL IS VENTED ON THE STEM SLOT AREA
4. ALL STAINLESS STEEL PASSIVATED
5. ANTI-STATIC DEVICE
6. BLOW-OUT PROOF STEM
7. LOCKING DEVICE (STANDARD)
8. COMPLETE VALVE AUTOMATION

**APPLICABLE STANDARDS:**

1. ASME B16.34: DESIGN
2. API 598: INSPECTION AND TESTING
3. ISO 5211: MOUNTING
4. ANSI B1.20.1: NPT
5. ANSI B16.11: FORGED STEEL FITTINGS, SOCKET-WELDING
6. ANSI B16.25: BUTT WELD ENDS
7. BS 6364: CRYOGENIC
8. CGA G-4.1: CLEANING FOR OXYGEN SERVICE
9. USP CLASS VI: CONFIRMATION OF COMPLIANCE (PTFE MATERIAL)

ITEM NO.	DESCRIPTION	MATERIALS	QTY.
1	BODY	A351-CF8M	1
2	END	A351-CF8M/CF3M	2
3	BALL	A351-CF8M	1
4	SEAT	PCTFE	2
5	BODY SEAL	PCTFE	2
6	BONNET SEAL	PCTFE	1
7	THRUST BEARING	25% CARBON + PTFE.	1
8	STEM	17-4 PH	1
9	THRUST WASHER	PCTFE	1
10	O-RING	VITON	1
11	STEM PACKING	PCTFE	5
12	EXTENSION BOLT	304 STAINLESS STEEL	4
13	EXTENSION	A351-CF8M	1
14	CROWN WASHER	304 STAINLESS STEEL	
14	STEM NUT	304 STAINLESS STEEL	1
15	LOCK TAB	304 STAINLESS STEEL	1
16	STOP NUT	304 STAINLESS STEEL	1
17	STOP WASHER	304 STAINLESS STEEL	1
18	STOP PIN	304 STAINLESS STEEL	1
19	HANDLE NUT	304 STAINLESS STEEL	1
20	LEVER HANDLE	304 STAINLESS STEEL	1
21	HANDLE SLEEVE	VINYL	1
22	BODY BOLT	304 STAINLESS STEEL	8
23	PIPE HANDLE SCREW (SIZE 2")	304 STAINLESS STEEL	1
24	PIPE HANDLE ADAPTER (SIZE 2")	304 STAINLESS STEEL	1
25	PIPE HANDLE (SIZE 2")	304 STAINLESS STEEL	1

DRAWN BY B.B. DATE 11/29/2022  
 CHECKED BY J.S. DATE 11/29/2022  
 APPROVED BY J.S. DATE 11/29/2022

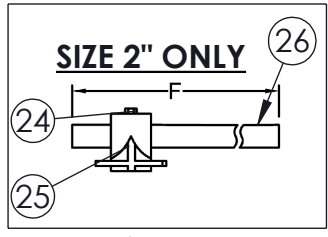
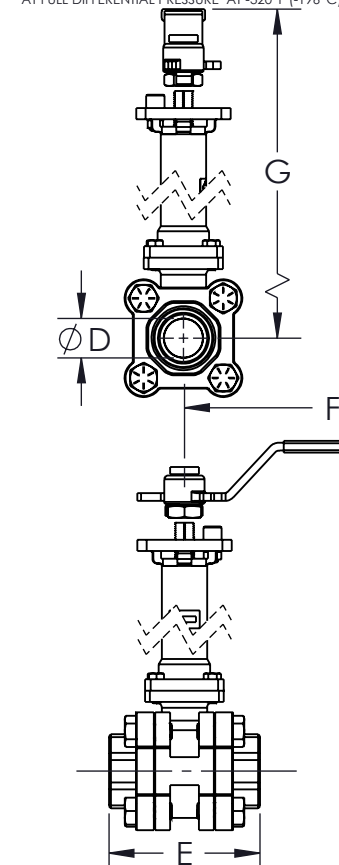


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SVF FLOW CONTROLS, INC. ANY REPRODUCTION IN PART OR IN WHOLE WITHOUT THE WRITTEN CONSENT OF SVF FLOW CONTROLS, INC. IS PROHIBITED.

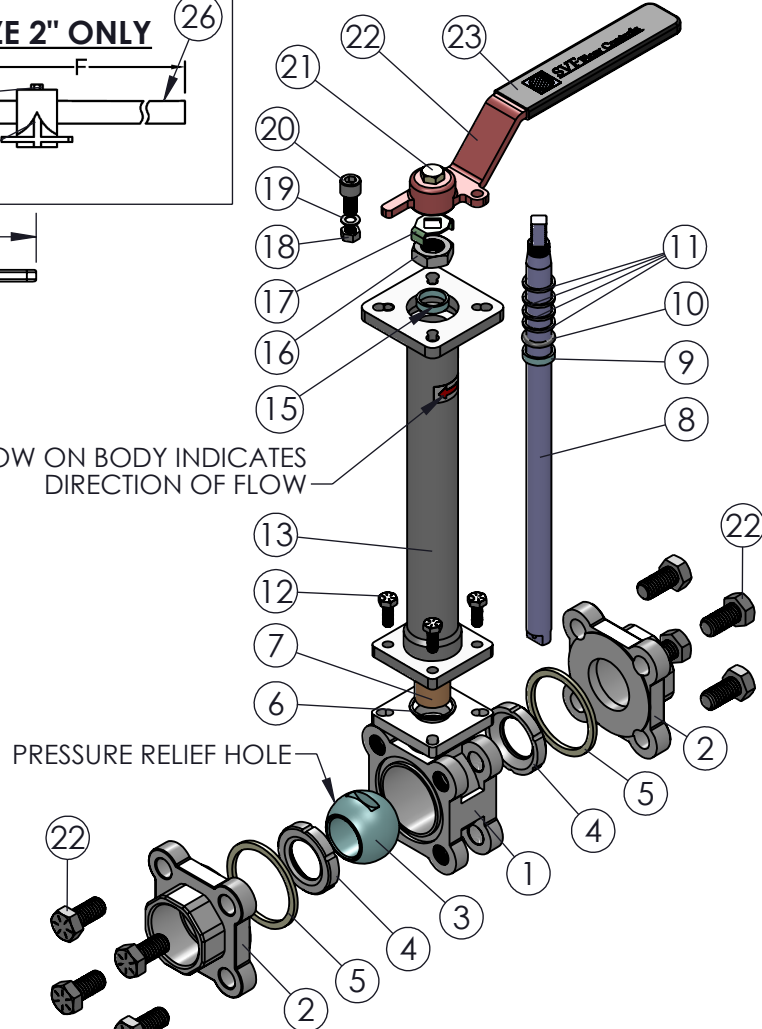
PROJECTION THIRD ANGLE

DESCRIPTION:  
 1/2" KB9 3-PIECE CRYOGENIC BALL VALVE, FULL PORT  
 1/2" - 2" K8 3-PIECE CRYOGENIC BALL VALVE, STANDARD PORT

UNITS: INCH (MILLIMETERS) DATE: 03/29/2019 REV: D



ARROW ON BODY INDICATES DIRECTION OF FLOW



**END CONFIGURATIONS:**

