



# Series SX-SS & CS

## Seal Welded High Pressure Ball Valves

### FEATURES

- Seal Welded Construction
- Available in WCB Carbon Steel with 316SS Trim, or Full CF8M/316 Stainless
- Full Port - All Sizes
- 2000 WOG Rating 1/4"-2"
- 1500 WOG Rating 2-1/2"-3", 1000 WOG on 4"
- All Models are NACE MR-01-75 Compliant
- Elevated Packing Nut for Ease of Access When Automated
- Standard ISO Actuator Mounting Pads on all Sizes
- Standard Locking Stainless Steel Handles

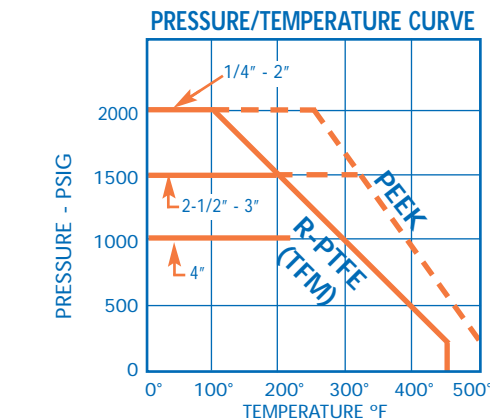
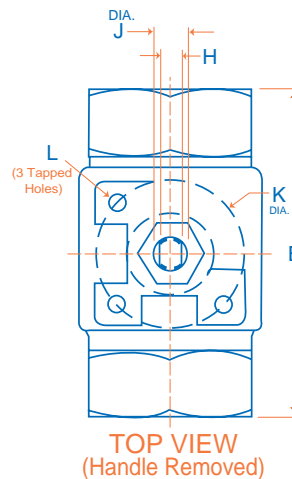
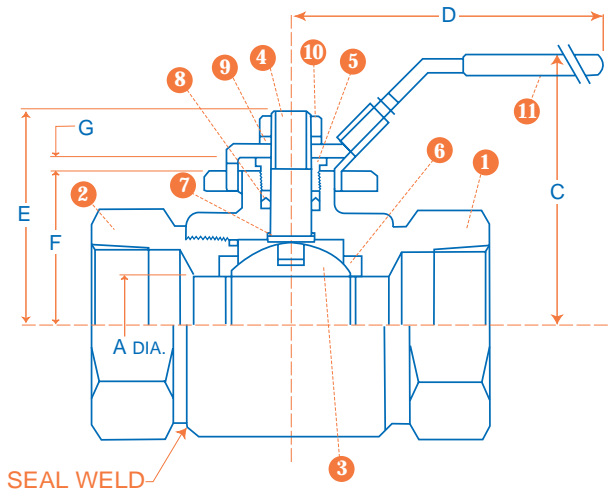


### RATINGS

1/4"-2" .....2000 WOG @ 100°F  
 2-1/2"-3" .....1500 WOG @ 100°F  
 4" .....1000 WOG @ 100°F  
 200 PSIG SATURATED STEAM

### MATERIALS OF CONSTRUCTION

PART	DESCRIPTION	STANDARD MATERIAL
1	BODY	CF8M or WCB
2	TAILPIECE	CF8M or WCB
3	BALL	ASTM A276 GR. 316 SS
4	STEM	ASTM A276 GR. 316 SS
5	PACKING NUT	ASTM A276 GR. 316 SS
6	SEATS (2)	R-PTFE
7	THRUST WASHER	PTFE
8	STEM PACKING	R-PTFE
9	LOCK WASHER	304 SS
10	HANDLE NUT	304 SS
11	HANDLE ASSY.	304 SS



### DIMENSIONS, WEIGHTS, CV FACTORS & MAXIMUM OPERATING TORQUE

SIZE	A (Port)	B	C	D	E	F	G	H	J DIA	K DIA	L (3 TAPPED HOLES)	ISO PATTERN	WEIGHT LBS.	Cv	MAX. TORQUE (R-PTFE)
1/4"-3/8"	0.43	2.7	2.2	5.1	1.53	0.78	0.35	0.20	0.31	1.42	1/4"-20 UNC	F03	1.1	10	50 in-lb
1/2"	0.50	2.7	2.2	5.1	1.53	0.78	0.37	0.20	0.31	1.42	1/4"-20 UNC	F03	1.0	16	75 in-lb
3/4"	0.81	3.0	2.8	5.7	2.26	1.28	0.38	0.26	0.44	1.65	1/4"-20 UNC	F04	1.7	32	120 in-lb
1"	1.00	3.6	3.0	5.7	2.49	1.46	0.43	0.26	0.44	1.65	1/4"-20 UNC	F04	2.1	62	180 in-lb
1-1/4"	1.25	4.0	3.6	7.3	2.92	1.76	0.45	0.35	0.57	1.97	1/4"-20 UNC	F05	3.8	115	300 in-lb
1-1/2"	1.50	4.5	3.8	7.8	3.18	2.01	0.46	0.35	0.57	1.97	1/4"-20 UNC	F05	6.0	140	400 in-lb
2"	2.00	5.0	4.4	7.8	3.64	2.37	0.57	0.35	0.57	1.97	1/4"-20 UNC	F05	8.7	365	600 in-lb
2-1/2"	2.50	6.6	5.0	13.9	4.33	2.88	0.55	0.47	0.75	2.76	5/16"-18 UNC	F07	18	450	1050 in-lb
3"	3.00	7.2	5.4	13.9	4.73	3.27	0.53	0.47	0.75	2.76	5/16"-18 UNC	F07	26	1100	1350 in-lb
4"	4.00	8.6	7.5	18.0	5.73	4.63	0.53	0.67	1.00	2.76	5/16"-18 UNC	F07	45	2200	2200 in-lb

# Quadrant<sup>®</sup>

VALVE & ACTUATOR, LLC

## SERIES SX-SS & CS

REV. 10/05

### NUMBERING SYSTEM ... HOW TO ORDER:

**SX F S S R R SL TT 100**

SERIES	PORT SIZE	BODY MATERIAL	BALL/STEM MAT'L	SEAT MAT'L	SEAL MAT'L	HANDLE TYPE	ENDS	SIZE
SX = SEAL WELDED 2000 WOG	F = FULL	S = STAINLESS (ASTM A351-CF8M) C = CARBON (A216-WCB)	S = 316 STAINLESS	R = R-PTFE P = PEEK	R = R-PTFE	SL = STAINLESS LATCH LOCK (STANDARD) SO = STAINLESS OVAL LO = LOCKING STAINLESS OVAL ST = 304SS TEE HANDLE PA = DOUBLE ACTING PNEUMATIC SA = SPRING RETURN PNEUMATIC SR = DEADMAN HANDLE EA = 115VAC ELECTRIC ACTUATED	TT = FNPT	025 = 1/4" 038 = 3/8" 050 = 1/2" 075 = 3/4" 100 = 1" 125 = 1-1/4" 150 = 1-1/2" 200 = 2" 250 = 2-1/2" 300 = 3" 400 = 4"

### OPTIONS & OTHER QUADRANT PRODUCTS:



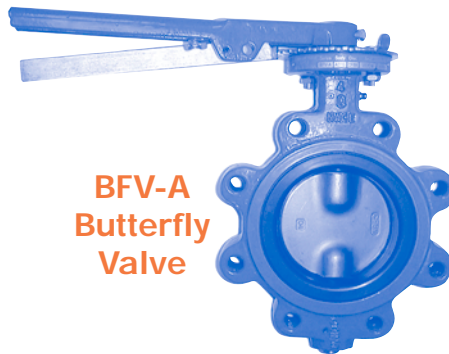
SX-SS with 304SS Locking Oval Handle



SX-SS with 304SS Tee Handle



1" M2-SS with Extended Socket Weld Ends



BFV-A Butterfly Valve



S10-SS ASME Class 4500 10,800 WOG Ball Valve