

Building connections that last™



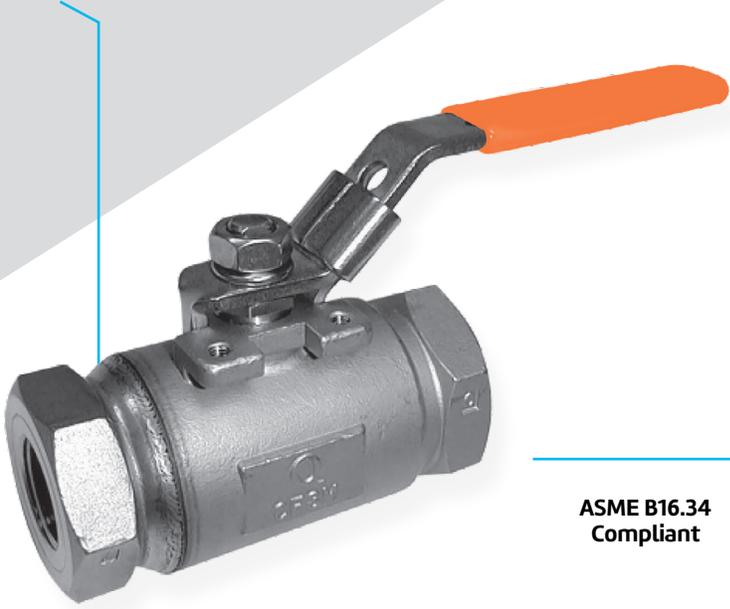
Series S6

ASME Class 2500, Seal Welded
Ball Valve Datasheet

1/4"-2"



ASME Class 2500, Seal Welded Ball Valves Series S6



**ASME B16.34
Compliant**

Features

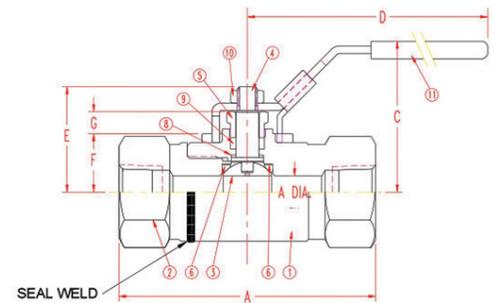
- The Ultimate Valve for Safe High Pressure Service
- Seal Welded Construction
- Full Port and Reduced Port Versions Available
- Fully Compliant with ASME B16.34 Class 2500
- 6000 PSI CWP Rating on CF8M Construction
- 6170 PSI CWP Rating on WCB Construction
- PEEK Seats Standard
- NPT, MxN NPT and Socket Weld Ends Available
- All Models are API 607 7th Edition Fire Safe
- Standard Locking Stainless Steel Handles
- Standard ISO Actuator Mounting Pads on All Sizes
- Quadrant valves, actuators, controls, and accessories are designed to work together; delivering exceptional performance.

Ratings

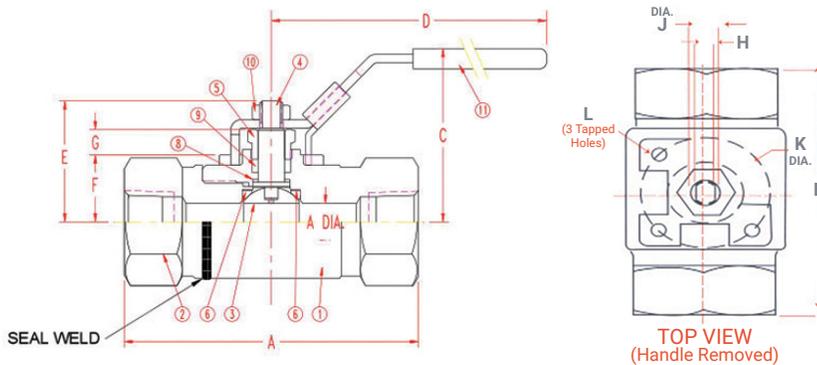
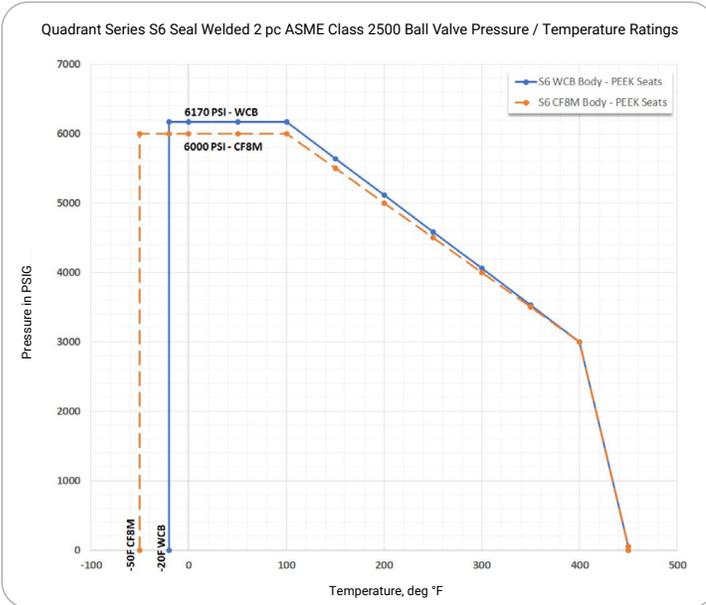
- 6000 PSIG @ 100°F (A351 CF8M Stainless Steel)
- 6170 PSIG @ 100°F (A216 WCB Carbon Steel)
- 250 PSIG Saturated Steam (PEEK Seats)

Materials of Construction

Part	Description	Standard Material
1	Body	ASTM A351 CF8M or A216 WCB
2	Tailpiece	ASTM A351 CF8M or A216 WCB
3	Ball	ASTM A276 316 SS
4	Stem	17-4PH SS
5	Packing Nut	ASTM A276 316 SS
6	Seats (2)	PEEK
7	Tailpiece Seal	Graphite
8	Thrust Washer	PEEK
9	Stem Packing	Graphite
10	Handle Nut	304 SS
11	Handle Assy	304 SS
12	Name Plate	300 SS



ASME Class 2500, Seal Welded Ball Valves Series S6



Dimensions, Weights, Cv Factors & Maximum Operating Torque

Size	A (Port)	B	C	D	E	F	G	H	J	K DIA	L (3 Tapped Holes)	ISO Pattern	Weight Lbs.	Cv	Max Torque (PEEK)
1/4" FP	0.25	3.00	2.31	4.94	1.63	0.89	0.34	0.20	0.31	1.42	1/4" -20 UNC	F03	1.60	10	100 IN-LB
3/8" RP	0.25	3.00	2.31	4.94	1.63	0.89	0.34	0.20	0.31	1.42	1/4" -20 UNC	F03	1.50	10	100 IN-LB
1/2" FP	0.50	4.00	2.31	4.94	1.63	0.89	0.34	0.20	0.31	1.42	1/4" -20 UNC	F03	2.00	16	120 IN-LB
3/4" FP	0.75	4.25	2.96	5.57	2.22	1.29	0.42	0.28	0.44	1.65	1/4" -20 UNC	F04	3.50	32	230 IN-LB
1" RP	0.75	4.25	2.96	5.57	2.22	1.29	0.42	0.28	0.44	1.65	1/4" -20 UNC	F04	3.90	44	230 IN-LB
1" FP	1.00	4.75	3.70	7.20	2.80	1.65	0.43	0.35	0.56	1.97	1/4" -20 UNC	F05	6.10	62	550 IN-LB
1-1/4" FP	1.50	5.29	4.78	13.9	3.87	2.47	0.54	0.39	0.62	2.76	5/16" -18UNC	F07	13.9	62	1000 IN-LB
1-1/2" FP	1.50	5.29	4.78	13.9	3.87	2.47	0.54	0.39	0.62	2.76	5/16" -18UNC	F07	14.1	140	1000 IN-LB
2" RP	1.50	6.25	4.78	13.9	3.87	2.47	0.54	0.39	0.62	2.76	5/16" -18UNC	F07	16.9	120	1000 IN-LB

ASME Class 2500, Seal Welded Ball Valves Series S6



Numbering System How to order Series S6

S6	F	S	S	P	F	SL	TT	075
Series	Port Size	Body Material	Ball/Stem Material	Seat Material	Seal Material	Handle Type	Ends	Size
S6 Seal Welded ASME Class 2500	R Reduced	S Stainless Steel (cast A351 CF8M)	S Stainless (316SS ball / 17-4PH stem)	P Peek	F Graphite	SL Stainless Latch Lock	TT FNPT	025 ¼" (F Port)
	F Full					MT MxF NPT	038 ⅜" R Port	
C Carbon Steel (cast A216 WCB)		C Carbon Steel (cast A216 WCB)				PA Double Acting Pneumatic	WW Socket Weld	050 ½" (F Port)
						SA Spring Return Pneumatic	WT Socket Weld x FNPT	075 ¾" (F Port)
						WT 115VAC Electric Actuated		100 1" (F or R Port)
								125 1-¼" (F Port)
								150 1-½" (F Port)
								200 2" (R Port)

Note:

Responsibility for proper selection, use and maintenance of any product remains solely with the purchaser and end user. We reserve the right to modify or improve the designs or specifications of any product at any time without notice.



About ASC Engineered Solutions

ASC Engineered Solutions is defined by quality—in its products, services and support. With more than 1,400 employees, the company's portfolio of precision-engineered piping support, valves and connections provides products to more than 4,000 customers across industries, such as mechanical, industrial, fire protection, oil and gas, and commercial and residential construction. Its portfolio of leading brands includes ABZ Valve®, AFCON®, Anvil®, Anvil EPS, Anvil Services, Basic-PSA, Beck®, Catawissa, Cooplet®, FlexHead®, FPPI®, Gruklok®, J.B. Smith, Merit®, North Alabama Pipe, Quadrant®, SCI®, Sharpe®, SlideLOK®, SPF® and SprinkFLEX®. With headquarters in Commerce, CA, and Exeter, NH, ASC also has ISO 9001:2015 certified production facilities in PA, TN, IL, TX, AL, LA, KS, and RI.



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