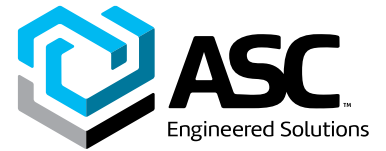


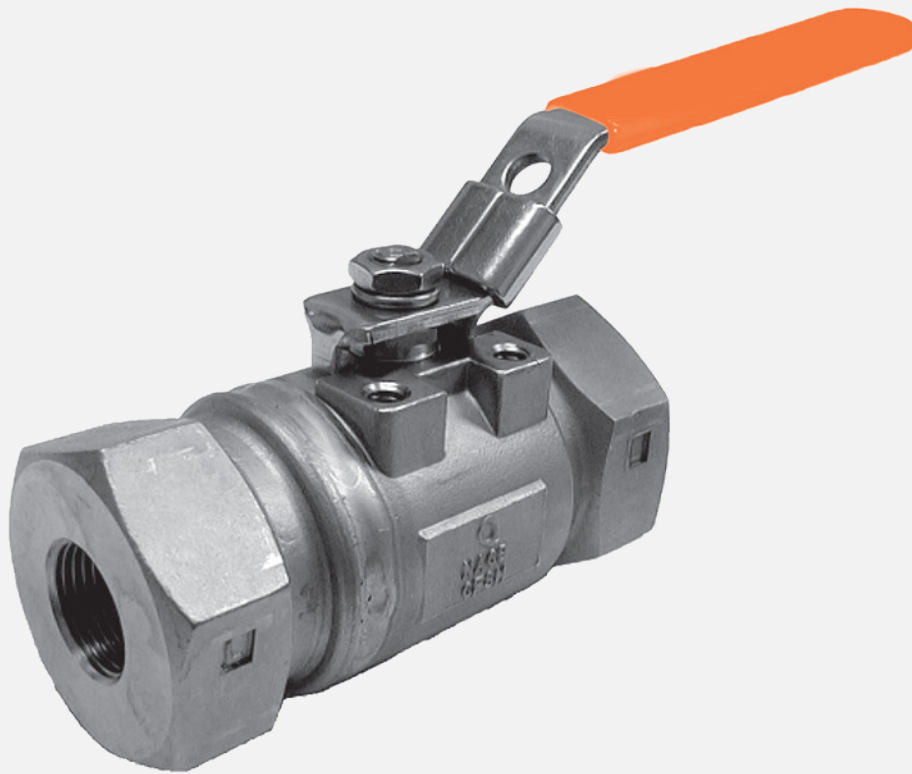
Building connections that last™



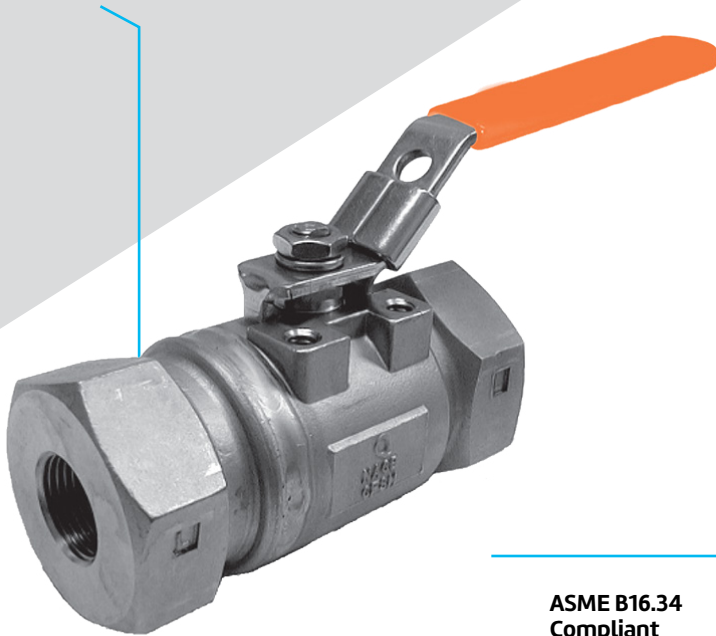
# Series S10

ASME Class 4500, Seal Welded,  
Ball Valve Datasheet

1/4", 3/8", 1/2"



# ASME Class 4500, Seal Welded Ball Valve Series S10



**ASME B16.34  
Compliant**

## Features

- The Ultimate Valve for Safe High Pressure Service!
- Seal Welded Construction
- Fully Compliant with ASME B16.34 Class 4500
- 10,800 PSI CWP Rating (CF8M)
- Adjustable Stem Packing
- Blowout-proof Stem Design
- All Stainless Construction
- PEEK Seats and Graphite Seals Standard
- Available in NPT, or MxF NPT
- 304 SS Locking Handles
- ISO 5211 Mounting Pad
- Quadrant valves, actuators, controls, and accessories are designed to work together, delivering exceptional performance

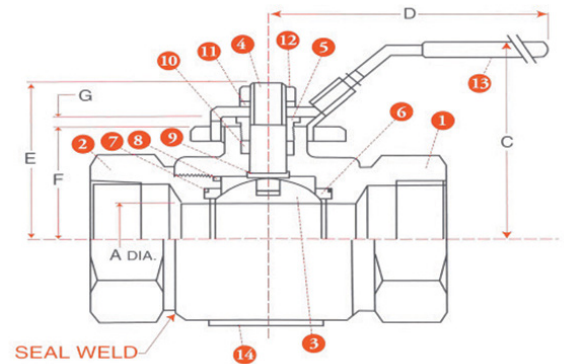
## Ratings

10,800 PSIG @100°F, non-shock

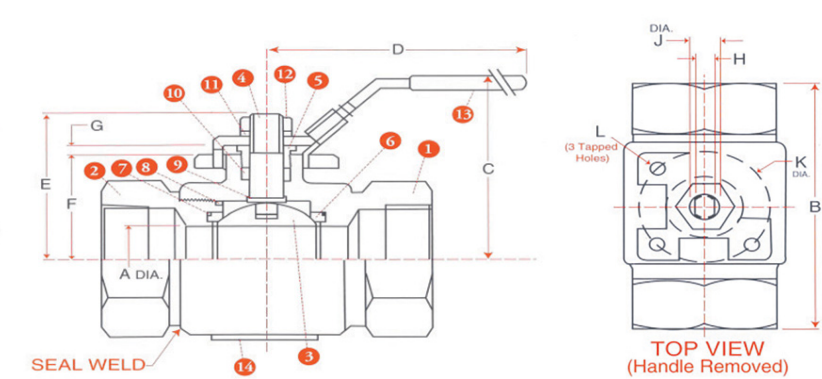
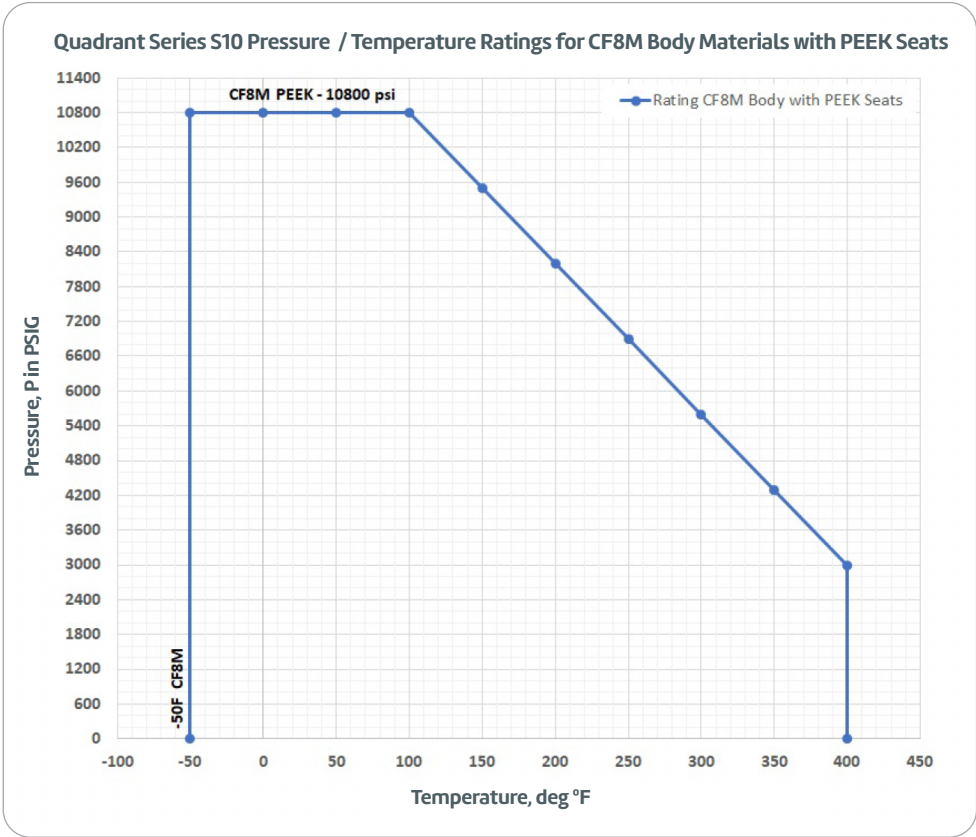
250 PSIG Saturated Steam (PEEK Seats)

## Materials of Construction

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



ASME Class 4500,  
Seal Welded Ball Valve  
Series S10



Dimensions, Weights, Cv Factors & Maximum Operating Torque

Size	A (BORE)	B	C	D	E	F	G	H	J	K DIA	L (3 Tapped Holes)	ISO Pattern	Weight Lbs.	Cv	Max Torque
¼" FNPT	0.40	0.40	2.27	5.15	1.64	1.01	0.21	0.20	0.31	1.42	¼" -20 UNC	F03	2.7	6	150 IN-LBS
⅜" FNPT	0.40	0.40	2.27	5.15	1.64	1.01	0.21	0.20	0.31	1.42	¼" -20 UNC	F03	2.7	10	150 IN-LBS
½" FNPT	0.40	0.40	2.27	5.15	1.64	1.01	0.21	0.20	0.31	1.42	¼" -20 UNC	F03	2.6	14	150 IN-LBS
½" Mx F NPT	0.40	0.40	2.27	5.15	1.64	1.01	0.21	0.20	0.31	1.42	¼" -20 UNC	F03	2.6	14	150 IN-LBS

# ASME Class 4500, Seal Welded Ball Valve Series S10



## Numbering System How to order Series S10

S10	R	S	S	P	F	SL	TT	050
Series	Bore / Port	Body Material	Ball/Stem Material	Seat Material	Seal Material	Handle Type	Ends	Size
S10	R Reduced	S Stainless Steel (cast A351 CF8M)	S 316 Stainless	P PEEK	F Graphite	SL Stainless Latch Lock	TT FNPT	025 1/4"
						PA Double Acting Pneumatic	MT MxF NPT (1/2" Only)	038 3/8"
						SA Spring Return Pneumatic		050 1/2"
						WT 115VAC Electric Actuated		

### 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 nearly 2,000 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®, Gruvlok®, J.B. Smith, Merit®, North Alabama Pipe, Quadrant®, SCI®, Sharpe®, SlideLOK®, SPF®, SprinkFLEX®, Trenton Pipe and VEP. With headquarters in Oak Brook, IL, ASC also has ISO 9001:2015 certified production facilities in PA, TN, IL, TX, AL, LA, KS, and RI.



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