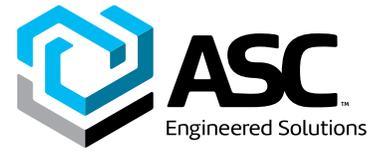


Building connections that last™



# 20C QVA

## Two-Piece Carbon Steel Ball Valve Datasheet



# Two-Piece Carbon Steel Ball Valve 20C QVA



### Features

- AISI 1017 Carbon Steel Bodies and Tailpieces
- 2000 WOG Rating on All Sizes
- 150 PSIG Saturated Steam Rating
- All Models are NACE MR-01-75 Compliant
- 316 Stainless Steel Ball and Stem Available
- “Live Loaded” Stem Packing Design
- “Tamperproof” Locking Handles Available In Carbon and Stainless Steel
- Locking Oval Handles Available In Carbon and Stainless Steel

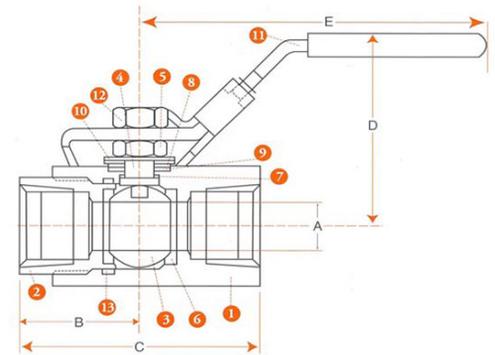
### Ratings

2000 PSIG @100°F Water, Oil, Gas

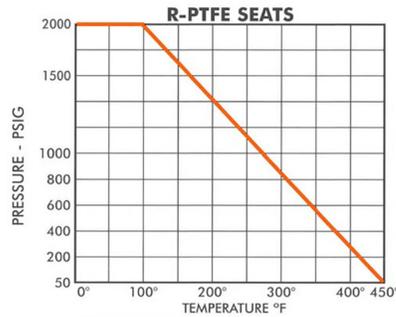
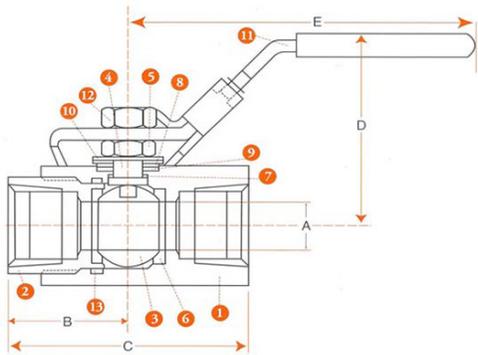
All Sizes - 150 PSIG Saturated Steam

### Materials of Construction

Part	Description	Standard Material	Optional Material(s)
1	Body	AISI Gr. 1017	
2	Tailpiece	AISI Gr. 1017	
3	Ball	ASTM A276 Gr. 304SS	ASTM A276 Gr. 316SS
4	Stem	AISI 1045 Carbon Steel	ASTM A276 Gr. 316SS
5	Packing Nut	Carbon Steel-Plated	
6	Seats (2)	R-PTFE	
7	Packing	R-PTFE	
8	Washer	ASTM A276 Gr. 304SS	
9	Thrust Washer (2)	TFE	
10	Belleville Washer	Carbon Steel - HT	
11	Handle Assy	Carbon Steel-Plated	304 Stainless Steel
12	Handle Nut	Carbon Steel-Plated	304 Stainless Steel
13	Body Seal	R-PTFE	



# Two-Piece Carbon Steel Ball Valve 20C QVA



## Dimensions, Weights, Cv Factors & Maximum Operating Torque

Size	A	B	C	D	E	Weight Lbs.	CV	Max Torque
1/4-3/8"	0.40	1.0	2	1.7	4.2	0.6	9	40 IN-LB
1/2"	0.54	1.1	2.3	1.7	4.2	0.75	16	75 IN-LB
3/4"	0.68	1.4	2.8	2.1	5.9	1.6	27	120 IN-LB
1"	0.88	1.6	3.2	2.3	5.9	2.4	42	150 IN-LB
1-1/4"	1.0	1.9	3.8	2.8	7.0	3.5	52	250 IN-LB
1-1/2"	1.25	2.3	4.6	3.0	7.3	5.4	80	300 IN-LB
2"	1.5	2.4	4.9	3.6	8.7	6.8	115	320 IN-LB

## Numbering System How to order 20C QVA

20	R	C	C	R	R	LH	TT	100
Series	Port Size	Body Material	Ball/Stem Material	Seat Material	Seal Material	Handle Type	Ends	Size
20 2 Piece	F Full (1/4"-1/2")	C Carbon	C Plated Carbon Steel	R R-PTFE	R R-PTFE	LH CS Lever	TT FNPT	025 1/4"
	R Reduced (1-3/4" - 2")		S 316 Stainless			LL CS Latch Lock	MT MxF NPT	038 3/8"
						SH Stainless Lever		050 1/2"
						SL Stainless Latch Lock		075 3/4"
						SO Stainless Oval		100 1"
								125 1-1/4"
								150 1-1/2"
								200 2"

### **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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