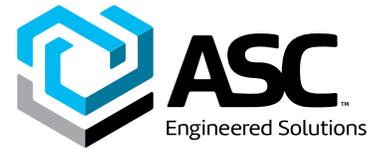


Building connections that last™



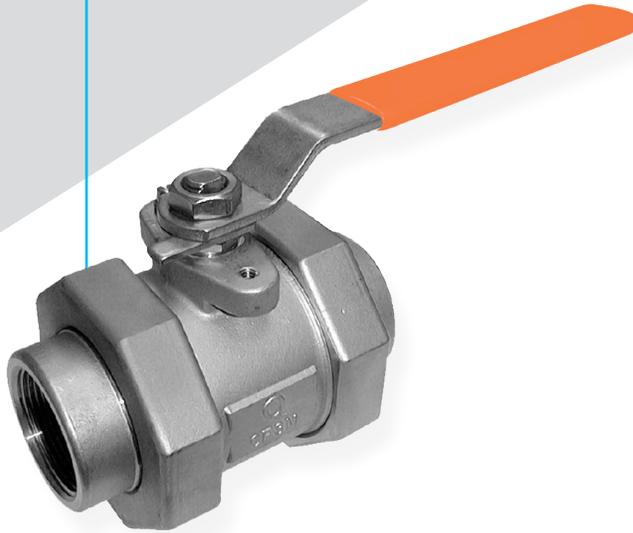
Series UU

Double Union End, Three-Piece,
Ball Valve Datasheet

3000 PSI CWP, ¼" – 2"



Double Union End, Three-Piece, Ball Valves Series UU



Features

- Double Union End Design
- Allows Replacement of Body Center Section without Disturbing Piping
- Union Construction allows Body Center Section to be Removed for Cleaning in “Batch Systems”
- Full Port - All Sizes
- 3000 PSI CWP Rating on All Sizes (2" requires PEEK Seats)
- 150 PSIG Saturated Steam Rating
- Available in Socket-Weld or NPT Threaded Ends
- Standard Stainless Steel Handles
- Standard 2-Hole Actuator Mounting Pads
- The Ultimate Valve for Socket Weld Systems!

Ratings

¼" – 1-½": 3000 PSIG @ 100°F (RPTFE & PEEK)

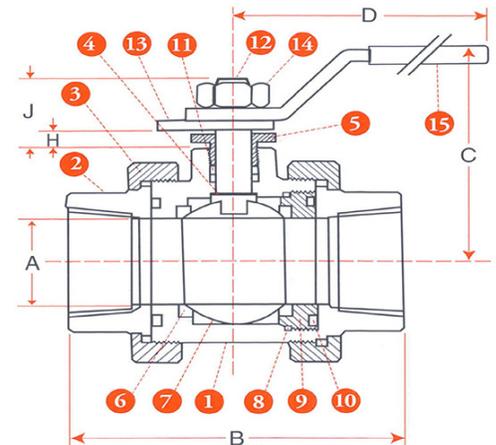
2": 2250 PSIG @ 100°F (RPTFE)

2": 3000 PSIG @ 100°F (PEEK)

150 PSIG Saturated Steam

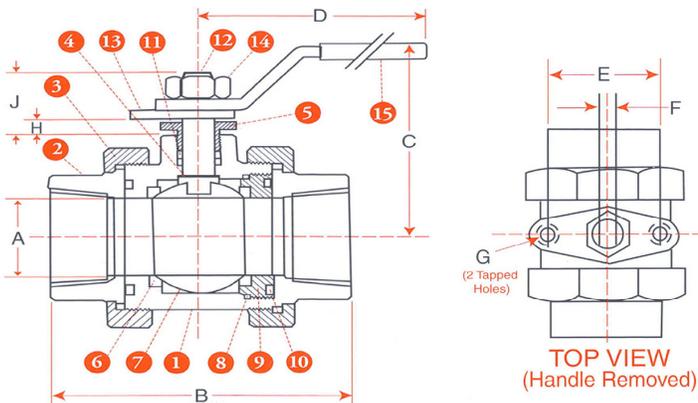
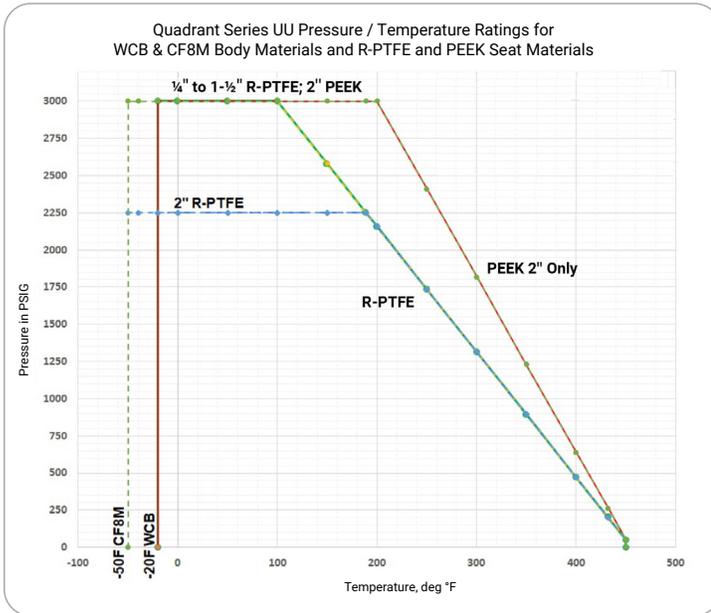
Materials of Construction

Part	Description	UUFCS (WCB/T316)	UUFSS(CF8M/T316)
1	Body	ASTM A-216 WCB	ASTM A351 CF8M
2	Tailpiece (2)	ASTM A-216 WCB	ASTM A351 CF8M
3	Union Nut (2)	ASTM A-216 WCB	ASTM A351 CF8M
4	Thrust Washer	R-PTFE* or PEEK (w/ PEEK seats)	R-PTFE* or PEEK (w/ PEEK seats)
5	Packing Nut	ASTM A276 316 SS	ASTM A276 316 SS
6	Seats (2)	R-PTFE* or PEEK (2" only)	R-PTFE* or PEEK (2" only)
7	Ball	ASTM A276 316 SS	ASTM A276 316 SS
8	Retainer Seal	R-PTFE*	R-PTFE*
9	Retainer	ASTM A-216 WCB	ASTM A351 CF8M
10	Union Seal (2)	R-PTFE*	R-PTFE*
11	Stem Packing	R-PTFE*	R-PTFE*
12	Stem	ASTM A276 316 SS	ASTM A276 316 SS
13	Stop Plate	304 SS	304 SS
14	Handle Nut	304 SS	304 SS
15	Handle Assy	304 SS	304 SS
16	PIN (not shown)	304 SS	304 SS



*Glass Reinforced PTFE.

Double Union End, Three-Piece, Ball Valves Series UU



Dimensions, Weights, C_v Factors & Maximum Operating Torque

Size	A	B	C	D	E	F	G	H	J	Weight Lbs.	C _v	Max Torque
1/4" - 3/8"	0.44	3.56	2.25	4.15	1.12	0.20	1/4"-20UNC	0.20	0.62	1.8	10	34 IN-LB
1/2"	0.62	3.56	2.25	4.15	1.12	0.20	1/4"-20UNC	0.20	0.62	1.8	16	63 IN-LB
3/4"	0.81	3.72	2.68	4.96	1.38	0.28	1/4"-20UNC	0.22	0.82	2.8	32	100 IN-LB
1"	1.0	4.27	2.85	6.93	1.38	0.28	1/4"-20UNC	0.21	0.81	3.6	62	127 IN-LB
1-1/4"	1.25	4.59	3.23	7.72	2.00	0.35	1/4"-20UNC	0.22	0.93	5.6	115	210 IN-LB
1-1/2"	1.50	5.22	3.34	9.80	2.00	0.35	1/4"-20UNC	0.23	0.90	8.2	140	300 IN-LB
2"	1.97	5.69	3.74	9.80	2.00	0.35	1/4"-20UNC	0.29	1.0	12.5	365	400 IN-LB
2" Peek	1.97	5.69	3.74	9.80	2.00	0.35	1/4"-20UNC	0.29	1.0	12.5	365	630 IN-LB

Double Union End, Three-Piece, Ball Valves Series UU



Numbering System How to order Series UU

UU	F	C	S	R	R	SH	TT	100
Series	Port Size	Body Material	Ball/Stem Material	Seat Material	Seal Material	Handle Type	Ends	Size
UU Double Union End, Three-Piece, Ball Valve 3000 PSI CWP	F Full	C Carbon Steel (cast A216 WCB)	S 316 Stainless	R R-PTFE* (all sizes) P PEEK 2" Only	R R-PTFE*	SH Stainless Lever	TT FNPT	025 ¼"
		S Stainless Steel (cast A351 CF8M)				SL Stainless Latch Lock	MT MxF NPT	038 ⅜"
						PA Double Acting Pneumatic	MM MxM NPT	050 ½"
						SA Spring Return Pneumatic	WW Socket Weld	075 ¾"
						EA 115VAC Electric Actuated	WT Socket Weld x FNPT	100 1"
								125 1-¼"
								150 1-½"
								200 2"

*Glass Reinforced PTFE.

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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