



Series UU-CS & UU-SS

Double Union End High Pressure Ball Valves

FEATURES

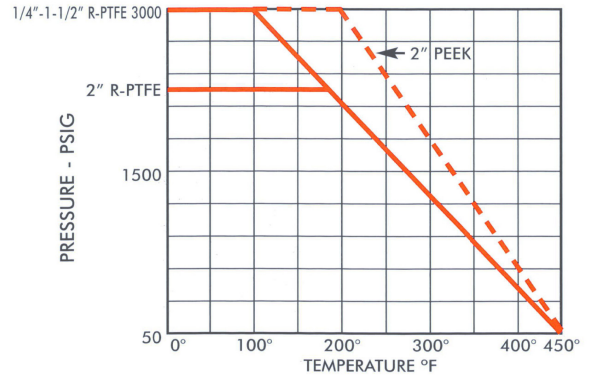
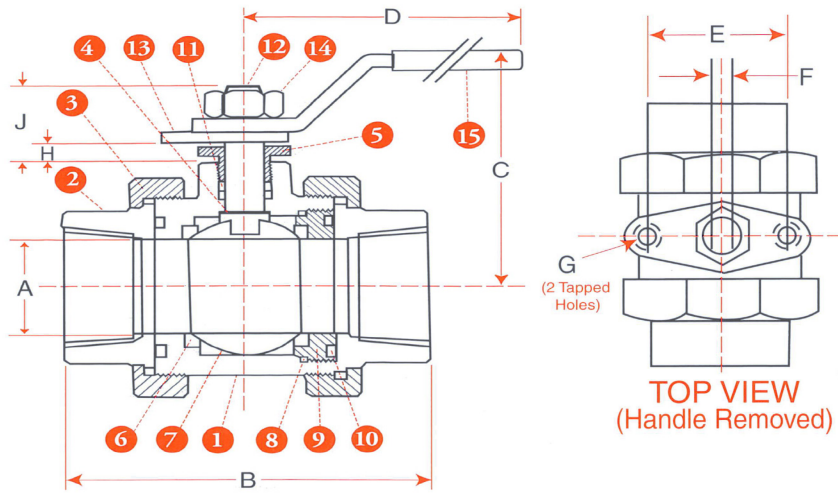
- Double Union Construction
- Full Port on All Sizes
- 3000WOG Rating on All Sizes (2" requires PEEK Seats)
- 150 PSIG Saturated Steam Rating
- All Models are NACE MR-01-75 Compliant
- Allows Replacement of Body Sub-Assembly without Disturbing Piping
- Union Construction allows Body Assembly to be Removed for Cleaning in "Batch Systems"
- Available in Socket-Weld or NPT Ends
- Standard Actuator Mounting Pads on all Sizes
- Standard Stainless Steel Handles
- The Ultimate Valve for Socket Weld Systems!

RATINGS

1/4" - 1-1/2": 3000 PSIG @ 100°F (RPTFE)
 2": 2250 PSIG @ 100°F (RPTFE)
 2": 3000 PSIG @ 100°F (PEEK)
 150 PSIG Saturated Steam

MATERIALS OF CONSTRUCTION

PART	DESCRIPTION	UU-CS (WCB/T316)	UU-SS (CF8M/T316)
1	Body	ASTM A-216 GR. WCB	ASTM A351 GR. CF8M
2	Tailpiece (2)	ASTM A-216 GR. WCB	ASTM A351 GR. CF8M
3	Union Nut (2)	ASTM A-216 GR. WCB	ASTM A351 GR. CF8M
4	Thrust Washer	R-PTFE	R-PTFE
5	Packing Nut	ASTM A276 GR. 316 SS	ASTM A276 GR. 316 SS
6	Seats (2)	R-PTFE (or PEEK-2")	R-PTFE (or PEEK-2")
7	Ball	ASTM A276 GR. 316 SS	ASTM A276 GR. 316 SS
8	Retainer Seal	R-PTFE	R-PTFE
9	Retainer	ASTM A-216 GR. WCB	ASTM A351 GR. CF8M
10	Union Seal (2)	PTFE	PTFE
11	Stem Packing	PTFE	PTFE
12	Stem	ASTM A276 GR. 316 SS	ASTM A276 GR. 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



DIMENSIONS, WEIGHTS, CV FACTORS & MAXIMUM OPERATING TORQUE

SIZE	A	B	C	D	E	F	G	H	J	WT. LBS.	CV	MAX. TORQUE
1/4"-3/8"	.44	3.6	2.4	4.2	1.12	.20	1/4-20UNC	.21	.62	1.6	10	40 in-lb
1/2"	.62	3.6	2.4	4.2	1.12	.20	1/4-20UNC	.21	.62	1.8	16	75 in-lb
3/4"	.81	3.8	2.8	5.1	1.38	.28	1/4-20UNC	.22	.82	2.8	32	120 in-lb
1"	1.0	4.4	3.0	7.0	1.38	.28	1/4-20UNC	.22	.82	3.7	62	150 in-lb
1-1/4"	1.25	4.9	3.3	7.3	2.00	.35	1/4-20UNC	.22	.85	5.6	115	250 in-lb
1-1/2"	1.50	5.3	3.6	9.9	2.00	.35	1/4-20UNC	.25	.96	8.4	140	350 in-lb
2"	2.00	5.8	3.9	9.9	2.00	.35	1/4-20UNC	.29	1.0	12.2	365	475 in-lb
2" PEEK	2.00	5.8	3.9	9.9	2.00	.35	1/4-20UNC	.29	1.0	12.2	365	750 in-lb

Numbering System ... How to Order

<u>UU</u>	<u>F</u>	<u>C</u>	<u>S</u>	<u>R</u>	<u>R</u>	<u>SH</u>	<u>TT</u>	<u>100</u>
SERIES	PORT SIZE	BODY MATERIAL	BALL/STEM MATERIAL	SEAT MATERIAL	SEAL MATERIAL	HANDLE TYPE	ENDS	SIZE
UU = Double Union	F = Full	C = Carbon S = Stainless (CF8M)	S = 316 Stainless	R = R-PTFE P = PEEK	R = R-PTFE P = PEEK	SH = Stainless Lever SL = Stainless Latch Lock PA = Double Acting Pneumatic SA = Spring Return Pneumatic EA = 115VAC Electric Actuated	TT = FNPT MT = MxF NPT MM = MxM NPT WW = Socket Weld WT = Socket Weld x 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"