

41 Series

600 and 900 Lb. Class

1/4" - 2-1/2"

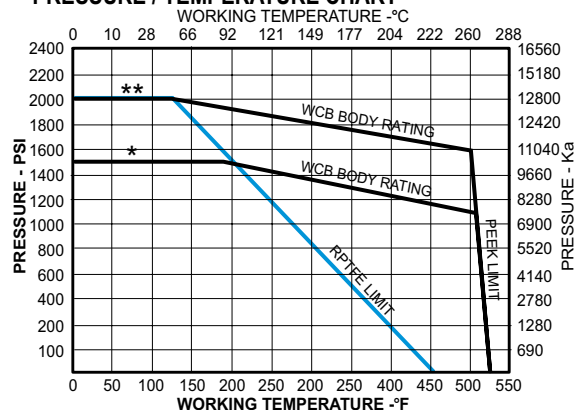
Specifications: API 607; API 608; ASME
B16.34/API 598; NACE MR0175

- Seal Welded High Pressure Ball Valve
- Full or Reduced Port
- Fire Safe to API 607
- Multi-Piece Graphite Stem Packing
- Locking Handle Standard, Oval Optional
- Extended Ends Allow In-Line Welding
- N.P.T., Socket, or Butt Weld Ends
- Low Operating Torque
- Unibody Construction
- Wall Thickness to ASME Specifications.
- NACE Sour Gas Service Compliant
- Optional Seat Materials
- Easily Automated

MATERIALS

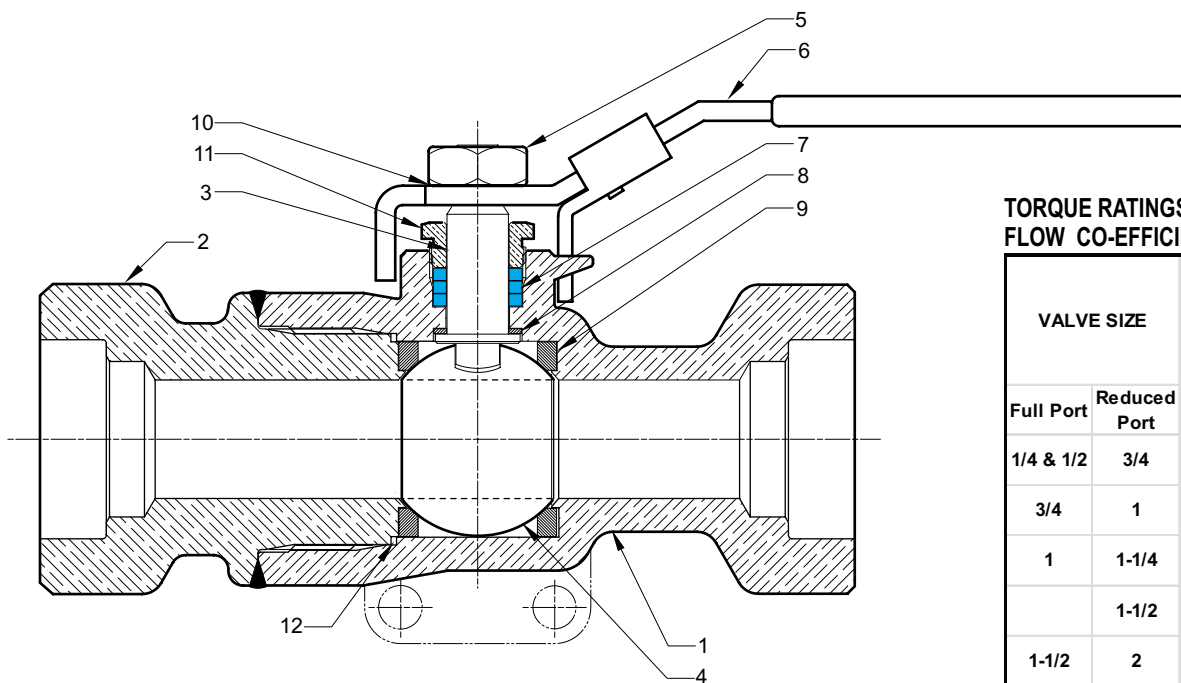
Item	Part Name	41SS	41CS
1	Body	Stainless Steel ASTM-A351 / A744	Carbon Steel ASTM-A216 WCB
2	Tailpiece	GR.CF3M	
3	Stem	Stainless Steel ASTM-A276	Stainless Steel ASTM-A276
4	Ball	Type 316	Type 316
5	Handle Nut	Stainless Steel Type 18-8	
6	Handle	Latch Lock--Stainless Steel Type 304 Oval Available	
7	Packing	Graphite	
8	Thrust Washer	PTFE	
9	Seat	15% Glass Filled PTFE	
10	Lock Washer	Stainless Steel	
11	Gland	Stainless Steel ASTM-A276 AISI 316	
12	Body/Tailpiece Seal	PTFE	

PRESSURE / TEMPERATURE CHART



* Pressure rating for 1-1/2" through 2" full port and 1-1/4" through 2-1/2" reduced port in WCB is 1480 psig.

** 2220 Pound applies to 1/4" - 3/4" full port and 1" reduced port sizes in WCB material.



TORQUE RATINGS and FLOW CO-EFFICIENT

VALVE SIZE	Full Port	Reduced Port	RECOM-MENDED BREAKAWAY TORQUE at MAXIMUM VALVE PRESSURE	Cv
			in. lbs. (Nm)	
1/4 & 1/2	3/4		60 6.8	9.8
3/4	1		110 12.4	35
1	1-1/4		130 14.7	47
		1-1/2	260 29.4	81
1-1/2	2		330 37.3	105
2	2-1/2		550 62.1	330

Milwaukee Valve Company

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Fax 414-744-5840

The information presented on this sheet is correct at the time of publication.
Milwaukee Valve reserves the right to change design, and/or material specifications without notice. For the most current information, access www.milwaukeevalve.com.

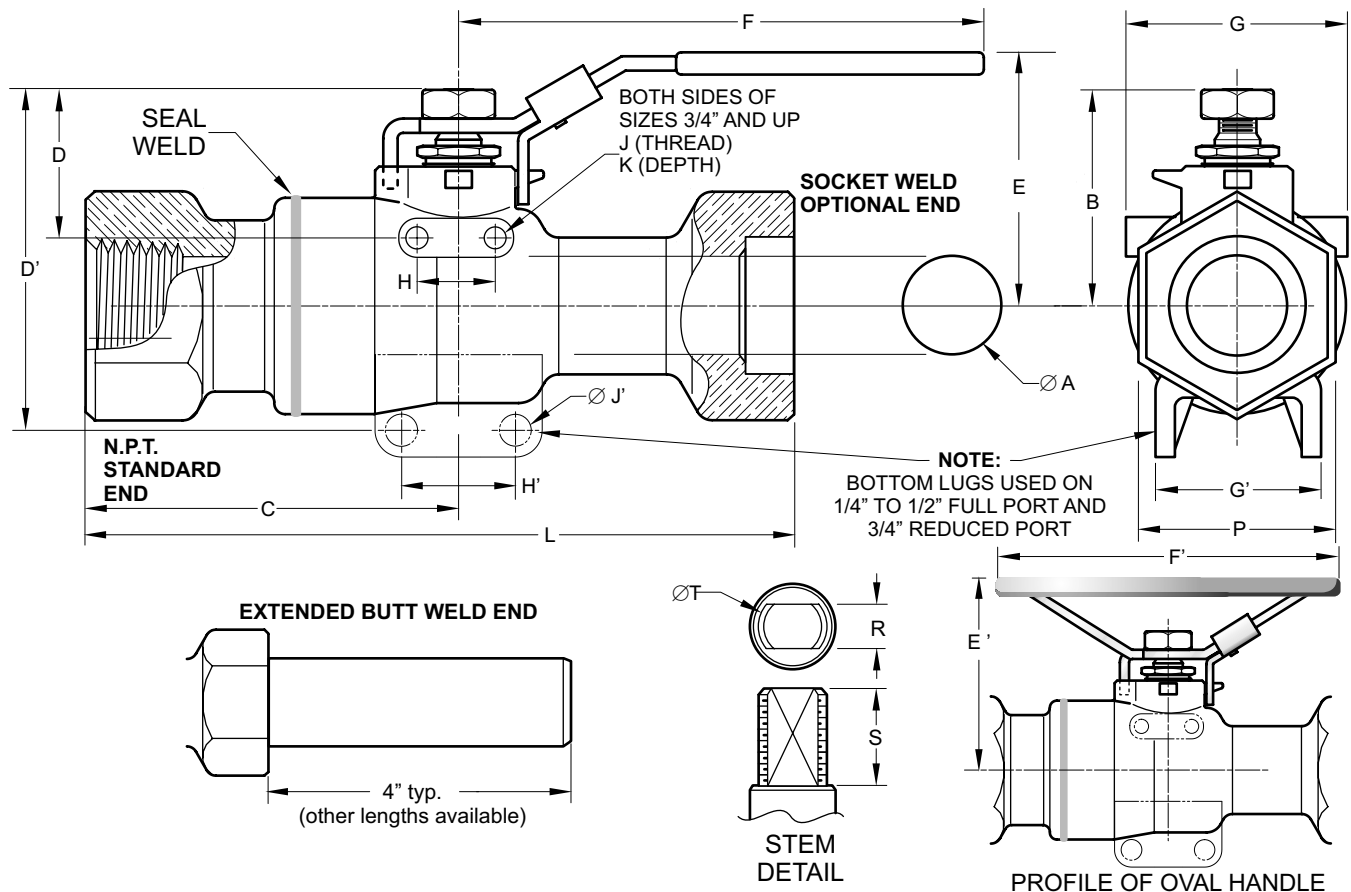
MILWAUKEE VALVE



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DIMENSIONS

NPS		ØA	B	C	D	D'	E	E'	F	F'	G	G'	H	H'	J	ØJ' THRU	K MIN.	L	P	R	S	ØT
FULL PORT (")	REDUCED PORT (")																					
1/4, 3/8, 1/2	NA	IN. .50	1.52	2.72		2.41	2.08	2.89	5.8	4.6		1.56		1.00		.28		5.10	1.34			.44
		mm 12.7	38.6	69.1		61.2	52.8	73.4	147.3	116.8		39.6		25.4		7.1		129.5	34.0	.275	.32	11.2
-	3/4	IN. .50	1.52	2.72		2.41	2.08	2.89	5.8	4.6		1.56		1.00		.28		5.10	1.62	7.0	8.1	
		mm 12.7	38.6	69.1		61.2	52.8	73.4	147.3	116.8		39.6		25.4		7.1		129.5	41.1			
3/4	1	IN. .87	2.38	3.37	1.71		2.65	2.78	7.6	4.9	2.56		.578		1/4-20			6.50	1.97			.57
		mm 22.1	60.5	85.6	43.4		67.3	70.6	193.0	124.5	65.0		14.7					165.1	50.0	.355	.60	25.4
1	1-1/4	IN. 1.00	2.51	3.69	1.65		2.79	3.91	7.6	4.9	2.83		.953		1/4-20		.28	6.90	2.31	9.0	15.2	
		mm 25.4	63.8	93.7	41.9		70.9	99.3	193.0	124.5	71.9		24.2					175.3	58.7			
-	1-1/2	IN. 1.25	3.08	3.93	1.88		3.51		10.0		2.83		.953		1/4-20		7.1	7.20	2.63			
		mm 31.8	78.2	99.8	47.8		89.2		254.0		71.9		24.2					182.9	66.8			
1-1/2	2	IN. 1.50	3.32	5.00	1.82		3.75		10.0		2.75		1.719		1/4-20			8.50	3.25	.451	.63	.76
		mm 38.1	84.3	127.0	46.2		95.3		254.0		69.9		43.7					215.9	82.6	11.5	16.0	19.3
2	2-1/2	IN. 2.00	3.73	5.57	1.79		4.16		10.0		2.75		1.719		1/4-20			9.40	3.81			
		mm 50.8	94.7	141.5	45.5		105.7		254.0		69.9		43.7					238.8	96.8			

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