



HIGH PRESSURE THREADED BALL VALVES

(includes threaded and socket weld ends)

FORGED CARBON and STAINLESS STEEL

ASME CLASS 1500 and 2500 / 3000 and 6000 WOG

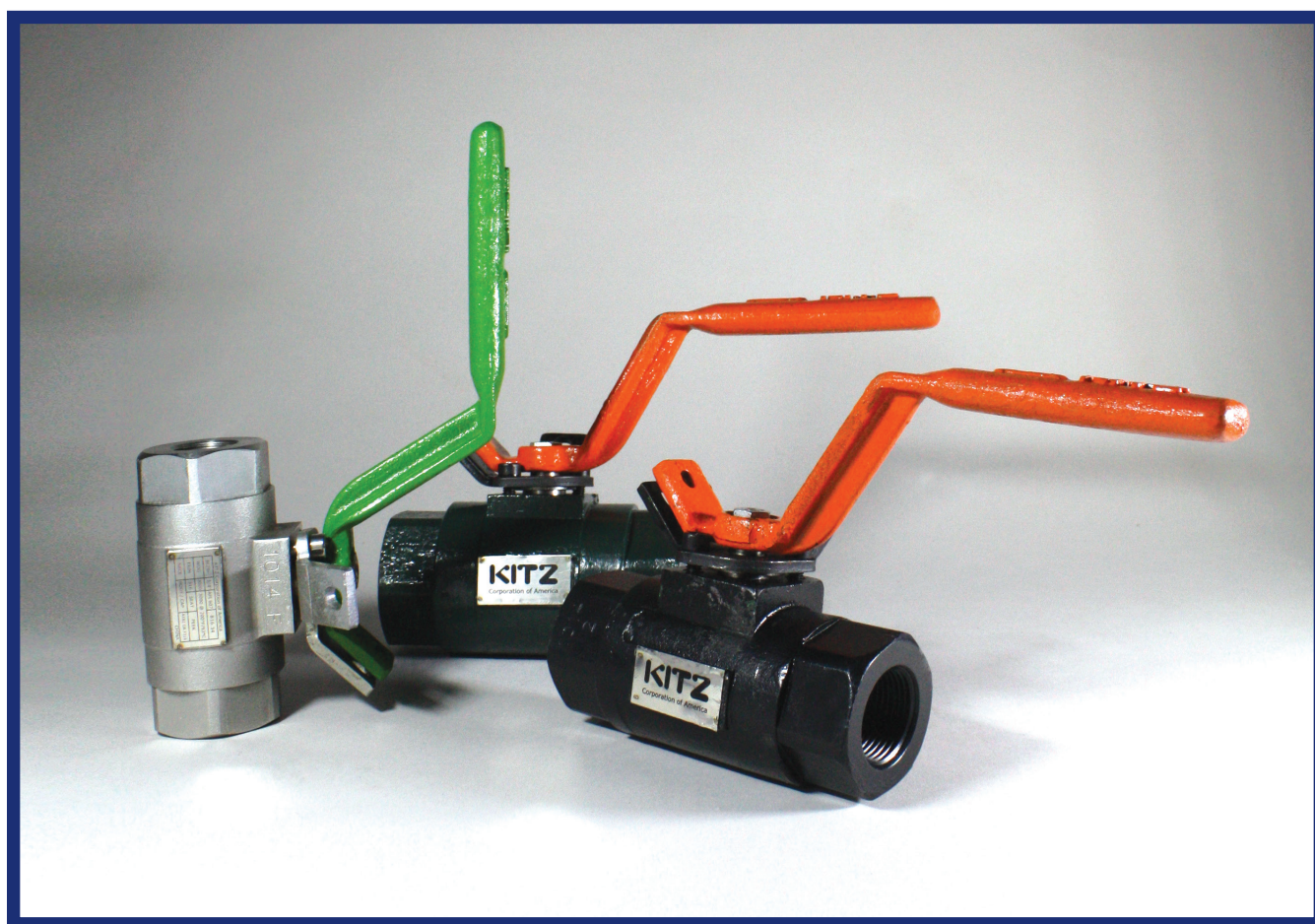
FEATURES:

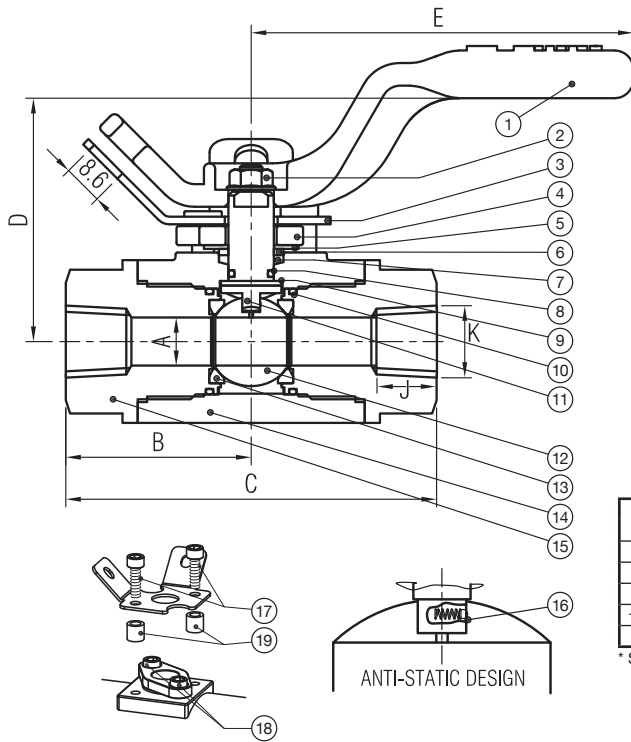
1. RUGGED 3-PC CONSTRUCTION
2. FULL PORT
3. GROUNDED BALL and STEM
4. NACE MR0175
5. API 607 CERTIFIED
6. LOCKING LEVER
7. THREADED ENDS TO ASME B1.20.1
8. SOCKET WELD ENDS TO ASME B16.11
9. THREADED OR SEAL-WELDED BODY CAPS

FIGURE and CODE NUMBERS:

RATING	MATERIAL	THREADED*	SOCKET WELD*
ASME Class 1500 3000# WOG	CS/A105N	AK3000SCTFWZM-FS	AW3000SCTFWZM-FS
		3KW19F	3KW19FS
	SS/F316	AK3000UTFWZM-FS	-
		3KW29F	-
ASME Class 2500 6000# WOG	CS/A105N	AK6000SCTFWZM-FS	AW6000SCTFWZM-FS
		6KW19F	6KW19FS
	SS/F316	AK6000UTFWZM-FS	-
		6KW29F	-

* For threaded body caps delete "W" from figure number and code





CLASS 1500 / 3000# WOG MATERIALS OF CONSTRUCTION

CARBON STEEL	STAINLESS STEEL
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No.	PART	MATERIAL	MATERIAL	ASTM SPECIFICATION
14	BODY	CARBON STEEL	STAINLESS STEEL	A105N A182 GR. F316 A105N
15	CAP	CARBON STEEL	STAINLESS STEEL	A182 GR. F316 A276 GR. 316SS
11	STEM	STAINLESS STEEL	STAINLESS STEEL	A564 GR. 630SS (17-4PH) (2" only)
12	BALL	STAINLESS STEEL	STAINLESS STEEL	A351 GR. 316SS/CF8M A276 TYPE 304
4	GLAND FLANGE	STAINLESS STEEL	STAINLESS STEEL	
7	GLAND PACKING	GRAPHITE	GRAPHITE	
6	GLAND	STAINLESS STEEL	STAINLESS STEEL	A276 TYPE 304
1	HANDLE	CARBON STEEL	CARBON STEEL	
2	HANDLE NUT	PLATED A36 CS	PLATED A36 CS	
5	BELLEVILLE WASHER	STAINLESS STEEL	STAINLESS STEEL	301SS
16	SPRING & PIN	STAINLESS STEEL	STAINLESS STEEL	A276 TYPE 304 (SIZES 1-1/2" - 2" ONLY)
8	STEM O-RING*	H-NBR	H-NBR	
10	BODY O-RING*	H-NBR	H-NBR	
9	THRUST WASHER*	PEEK	PEEK	
3	LOCKPLATE	PLATED A36 CS	A276 TYPE 304	
17	STOPPER	PLATED A36 CS	A276 TYPE 304	
18	GLAND BOLT	PLATED A36 CS	A276 TYPE 304	
19	SPACER	PLATED A36 CS	A276 TYPE 304	
13	SEAT	PEEK	PEEK	

* (8) and (10) VITON GLT is used in socket weld valves

SIZE	DIMENSIONS, inches												APPROX WT. lbs
	A	B	C	D	E	F	G	H	I	J*	K*	S	
1/2"	0.50	1.89	3.78	2.53	4.80	0.47	0.31	1.42	M6	0.85	0.67	1.50	2.53
3/4"	0.75	2.09	4.17	4.17	6.77	0.51	0.31	1.42	M6	1.06	0.67	1.97	4.51
1"	0.94	2.62	5.24	4.28	6.77	0.51	0.31	1.42	M6	1.33	0.75	2.15	6.43
1-1/2"	1.50	2.66	5.31	5.30	10.98	0.75	0.47	1.97	M8	1.91	0.91	3.23	17.32
2"	1.96	3.01	6.02	5.96	11.89	0.79	0.47	2.76	M8	2.41	0.95	4.13	25.13

* Socket weld insertion dimensions

CLASS 2500 / 6000# WOG MATERIALS OF CONSTRUCTION

CARBON STEEL	STAINLESS STEEL
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No.	PART	MATERIAL	MATERIAL	ASTM SPECIFICATION
14	BODY	CARBON STEEL	STAINLESS STEEL	A105N A182 GR. F316 A105N
15	CAP	CARBON STEEL	STAINLESS STEEL	A182 GR. F316 A276 GR. 316SS
11	STEM	STAINLESS STEEL	STAINLESS STEEL	A564 GR. 630SS (17-4PH) (2" only)
12	BALL	STAINLESS STEEL	STAINLESS STEEL	A351 GR. 316SS/CF8M A276 TYPE 304
4	GLAND FLANGE	STAINLESS STEEL	STAINLESS STEEL	
7	GLAND PACKING	GRAPHITE	GRAPHITE	
6	GLAND	STAINLESS STEEL	STAINLESS STEEL	A276 TYPE 304
1	HANDLE	CARBON STEEL	CARBON STEEL	
2	HANDLE NUT	PLATED A36 CS	PLATED A36 CS	
5	BELLEVILLE WASHER	STAINLESS STEEL	STAINLESS STEEL	301SS
16	SPRING & PIN	STAINLESS STEEL	STAINLESS STEEL	A276 TYPE 304 (SIZES 1-1/2" - 2" ONLY)
8	STEM O-RING*	H-NBR	H-NBR	
10	BODY O-RING*	H-NBR	H-NBR	
9	THRUST WASHER*	PEEK	PEEK	
3	LOCKPLATE	PLATED A36 CS	A276 TYPE 304	
17	STOPPER	PLATED A36 CS	A276 TYPE 304	
18	GLAND BOLT	PLATED A36 CS	A276 TYPE 304	
19	SPACER	PLATED A36 CS	A276 TYPE 304	
13	SEAT	PEEK	PEEK	

* (8) and (10) VITON GLT is used in socket weld valves

SIZE	DIMENSIONS, inches												APPROX WT. lbs
	A	B	C	D	E	F	G	H	I	J*	K*	S	
1/2"	0.50	1.73	3.78	2.54	4.80	0.47	0.31	1.42	M6	0.85	0.67	1.50	3.15
3/4"	0.75	2.26	4.17	4.13	6.77	0.51	0.31	1.42	M6	1.06	0.67	1.97	5.99
1"	0.94	2.62	5.24	4.29	6.77	0.51	0.31	1.42	M6	1.33	0.75	2.15	7.71
1-1/2"	1.50	3.48	6.97	5.30	10.96	0.75	0.47	1.97	M8	1.91	0.91	3.23	20.52
2"	1.96	3.48	6.97	6.02	11.89	0.79	0.47	2.76	M8	2.41	0.95	4.13	31.08

* Socket weld insertion dimensions

PRESSURE-TEMPERATURE RATINGS (Please contact KCA for Socket Weld Ratings)

