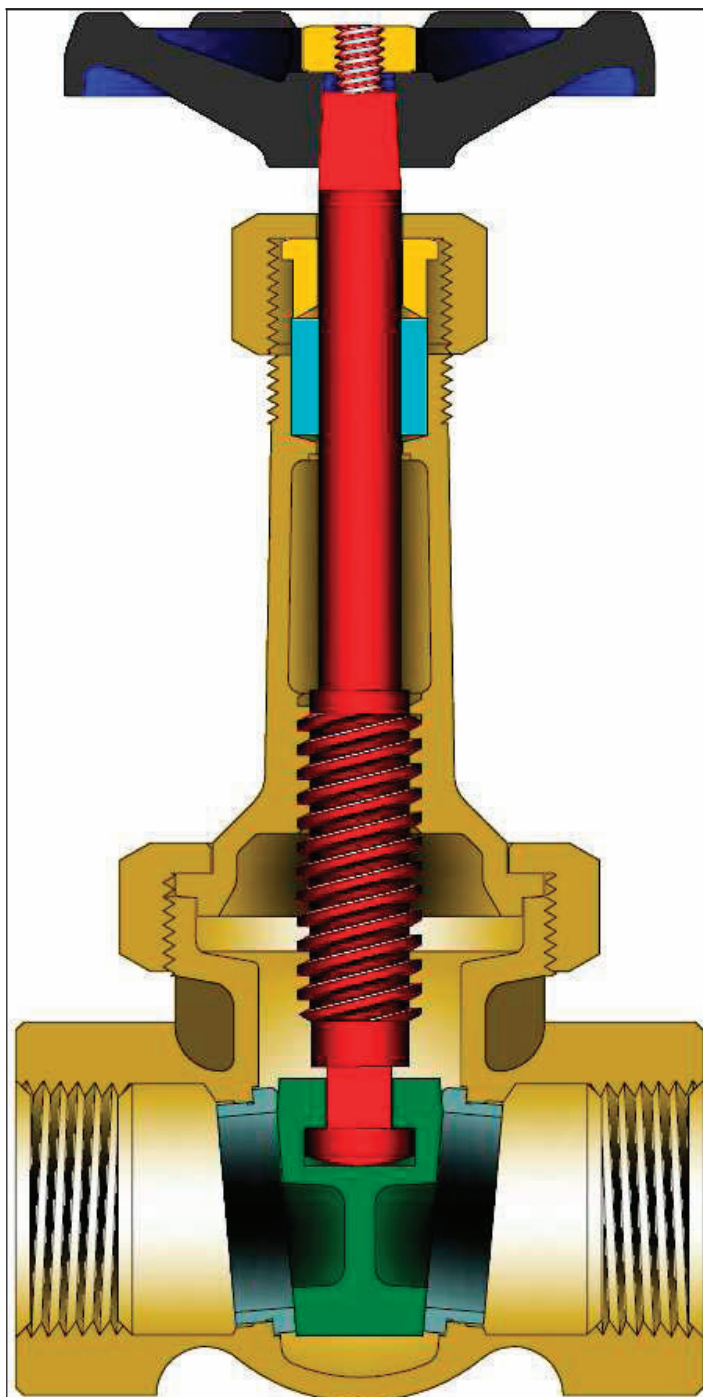


MSS SP-80 GATE VALVE
UNION BONNET, THREADED ENDS
3/8 TO 3" (6 TO 75mm) CLASSES 200 AND 300
BRONZE RISING STEM WITH ROLLED-IN SEAT RINGS



STANDARD MATERIALS

PART	MATERIALS
Body	B61
Bonnet	B61
Bonnet Ring	B61
Wedge	B61
Seat Ring	A312 Type 304 (1)
Stem	B371 C69400
Packing Nut	B62 or B16
Gland	B16
Packing	Graphite
Hand Wheel	A47 Gr. 32510
Hand Wheel Nut	Brass
Wheel Plate	Aluminum

(1) Sizes 3/8 - 1/2" use A276 T410.

Design Specifications

Item	Applicable Specification
Pressure - temperature ratings	MSS SP-80
General valve design	MSS SP-80
Thread design	ASME B1.20.1
Materials	ASTM

DESIGN FEATURES:

- **Renewable** solid wedges.
- **Rolled-in** seat rings.
- **High-Tensile** bronze alloy stems
- **Stems** are rotating / rising design.
- **Each** valve is shell and seat pressure tested per industry standard MSS SP-80.

Type	Class	Fig. No.
Rising Stem	200	2375
	300	2377

GATE VALVE DIMENSIONS (CLASSES 200 & 300).

SIZE	FIG 2375							FIG 2377						
	in	A	C	D	E	WT	lb	A	C	D	E	WT	lb	C _V
	mm						kg						kg	
¾		2.06	4.3	0.38	2.1	0.9	7.1	2.13	4.9	0.38	3.0	1.3	7.1	
10		52	108	10	54	0.4		54	124	10	76	0.6		
½		2.31	4.9	0.50	2.5	1.2	12.6	2.44	5.9	0.50	3.3	1.7	12.6	
13		59	124	13	64	0.5		62	149	13	83	0.8		
¾		2.56	6.1	0.75	2.8	1.9	30	2.69	7.2	0.75	3.6	2.9	30	
20		65	156	19	70	0.9		68	183	19	92	1.3		
1		2.94	7.4	1.00	3.0	2.8	55	3.00	8.3	1.00	4.1	4.2	55	
25		75	187	25	76	1.3		76	210	25	105	1.9		
1 ¼		3.13	8.6	1.25	3.3	5.0	90	3.38	9.5	1.25	4.6	6.5	90	
32		79	219	32	83	2.3		86	241	32	117	2.9		
1 ½		3.50	9.6	1.50	3.6	5.4	130	3.75	10.8	1.50	5.1	9.5	130	
40		89	244	38	92	2.4		95	273	38	130	4.3		
2		4.00	11.7	2.00	4.1	8.9	240	4.38	13.1	2.00	5.7	17	240	
50		102	297	51	103	4.0		111	333	51	144	7.7		
2 ½		4.63	15.1	2.50	5.7	18	350	5.00	14.1	2.50	8.0	24	350	
65		117	384	64	144	8.2		127	357	64	203	11		
3		5.13	17.4	3.00	6.4	25	510	5.63	16.4	3.00	9.0	32	510	
75		130	443	76	162	11		143	416	76	229	15		

C = Center to top open

WT = Weight

C_V = Flow Coefficient

