

## MSS SP-80 GLOBE VALVE THREADED BONNET, THREADED ENDS ¼ TO 3" (6 TO 75mm) CLASS 125 BRONZE

STA	ND	ARD	MAT	ΓERI	<b>ALS</b>
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CTANDALD MATERIALS					
PART	MATERIALS				
Body	B62				
Bonnet	B62*				
Disc	B62**				
Stem	B371 C69400				
Packing Nut	B62 or B16				
Disc Locknut	B371 C69400				
Packing	Graphite				
Hand Wheel	A47 Gr. 32510				
Hand Wheel Nut	Brass				
Horseshoe Ring	SS 303 or SS 304				
Wheel Plate	Aluminum				

<sup>\*</sup> B16 for sizes ½" through ¾"

# Class Fig. No. 125 650

## **DESIGN FEATURES:**

- **High-Tensile** bronze alloy stem.
- Integral seats.
- **Discs** in 3/4" and larger valves are attached to stem by disc locknut. The 1/2" and smaller valves have stem and disc integral.
- Each valve is shell and seat pressure tested per industry standard MSS SP-80.

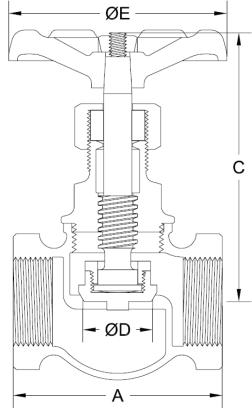
# **Design Specifications**

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

<sup>\*\*</sup> For ½" and smaller sizes, disc and stem are integral and disc material is same as stem.

GLOBE VALVE DIMENSIONS (CLASS 125).

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SIZE	FIG 650									
in	A	С	D	E	WT	lb	$C_{V}$			
mm						kg				
1/4	1.63	2.7	0.25	2.1	0.4		0.6			
6	41	68	6	54	0.2					
3/8	1.94	3.0	0.38	2.5	0.6		1.4			
10	49	76	10	64	0.3					
1/2	2.13	3.4	0.50	2.8	0.8		2.5			
13	54	86	13	70	0.4					
3/4	2.50	3.9	0.75	3.0	1.3		5.8			
20	64	100	19	76	0.6					
1	3.00	4.4	1.00	3.3	1.9		10.7			
25	76	111	25	83	0.9					
11/4	3.44	5.1	1.25	3.6	2.7		17.1			
32	87	129	32	92	1.2					
1½	3.81	5.4	1.50	4.1	4.4		25			
40	97	137	38	105	2.0					
2	4.75	6.5	2.00	4.8	5.9		50			
50	121	165	51	121	2.7					
21/2	5.69	7.3	2.50	5.1	10.1		75			
65	144	186	64	130	4.6					
3	6.56	8.3	3.00	5.8	15.4		110			
75	167	210	76	146	7.0					



C = Center to top open WT = Weight  $C_V$  = Flow Coefficient