



STANDARD 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

* B16 for sizes ¼" through ¾"

** For ½" and smaller sizes, disc and stem are integral and disc material is same as stem.

Design Specifications

Class	Fig. No.
125	650

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:

- **High-Tensile** bronze alloy stem.
- **Integral** seats.
- **Discs** in ¾" and larger valves are attached to stem by disc locknut. The ½" and smaller valves have stem and disc integral.
- **Each** valve is shell and seat pressure tested per industry standard MSS SP-80.

GLOBE VALVE DIMENSIONS (CLASS 125).

SIZE	FIG 650					
	A	C	D	E	WT	C _v
in						
mm						
¼	1.63	2.7	0.25	2.1	0.4	0.6
6	41	68	6	54	0.2	
¾	1.94	3.0	0.38	2.5	0.6	1.4
10	49	76	10	64	0.3	
½	2.13	3.4	0.50	2.8	0.8	2.5
13	54	86	13	70	0.4	
¾	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	
1¼	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	
2½	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

