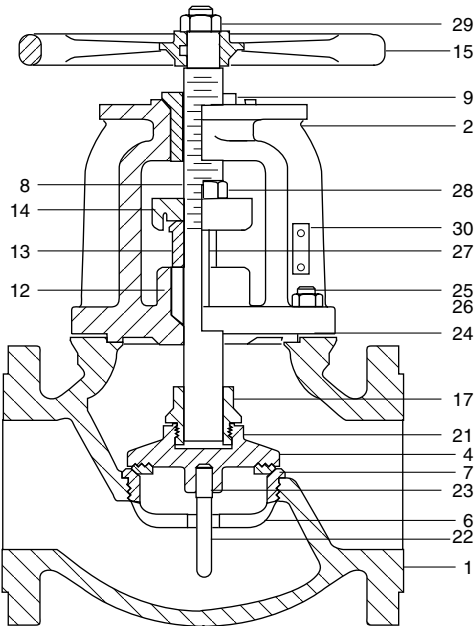


Class 250 • Bolted Bonnet • OS&Y • Bronze Trim • Flanged

21E Globe Valve



Materials of Construction

No.	Description	Material	ASTM
1	Body	Cast Iron	A126 Class B
2	Bonnet	Cast Iron	A126 Class B
4	Disc	Bronze (2" - 3")	B61
		Cast Iron (4" - 8")	A126 Class B
6	Body Seat Ring	Bronze	B61
7	Disc Seat Ring	Bronze (6" - 8")	B61
8	Stem	Manganese Bronze	B584 C86400
9	Yoke Bushing	Manganese Bronze	B584 C86400
12	Packing	Braided Flexible Graphite with Corrosion Inhibitor	
13	Gland	Bronze	B62
14	Gland Flange	Steel (2", 3" & 6")	A181
		Ductile Iron	A536
15	Handwheel	Ductile Iron	A536
17	Disc Stem Ring	Bronze	B62
21	Locking Device	18-8 SST Sheet (2" - 5")	A167
22	Disc Guide Stem	Steel (6" - 8")	A108
23	Disc Guide Stem Pin	Steel (6" - 8")	B108
24	Gasket	Aramid Fibers with SBR Binder	
25	Bonnet Studs	Steel	A108
26	Bonnet Stud Nuts	Steel	A563 Gr. A
27	Gland Studs	Steel - Phos. Coated	A108
28	Gland Stud Nuts	Steel - Phos. Coated	A563 Gr. A
29	Handwheel Nut	Steel - Phos. Coated	A563 Gr. A
30	Identification Plate	Aluminum	
31	Disc - Disc Stem Ring Pin*	Steel	

* Not shown

See page 5 for Pressure Temperature Ratings

Industry Standards

MSS SP-85, Type 1

Dimensions and Weights

Inches (millimeters) - Pounds (kilograms)

Valve Size	Dimensions			WT
	B	C	M	
2	13.75	9.00	10.50	62
	(349)	(229)	(267)	(28)
2 ½	14.75	10.00	11.50	82
	(375)	(254)	(292)	(37)
3	16.50	10.00	12.50	118
	(419)	(254)	(318)	(54)
4	18.50	12.00	14.00	167
	(470)	(305)	(356)	(76)
6	23.25	16.00	17.50	320
	(591)	(406)	(445)	(145)
8	28.50	20.00	21.00	570
	(724)	(508)	(533)	(259)

