

#### STANDARD MATERIALS

PART	MATERIALS
Body	B61
Bonnet	B61
Bonnet Ring	B61
Extension Column	SST 304
Disc or Disc Holder (2)	B371 C69400
Disc Locknut (2)	B371 C69400
Disc Plate (2)	Brass
Disc Insert (2)	PCTFE (1)
Horseshoe Ring	SST 300 Series
Disc Nut	B371 C69400
Body / Bonnet Stud (3)	A193 Gr. B8
Body / Bonnet Nut (3)	A194 Gr. 8
Gasket (3)	Graphite
Stem	SST 303
Packing Nut	B62 or B16
Stuffing Box	B371 C69400
Gland	B16
Packing	PTFE
Hand Wheel	Malleable Iron or Steel
Hand Wheel Nut	Brass
Wheel Plate	Aluminum

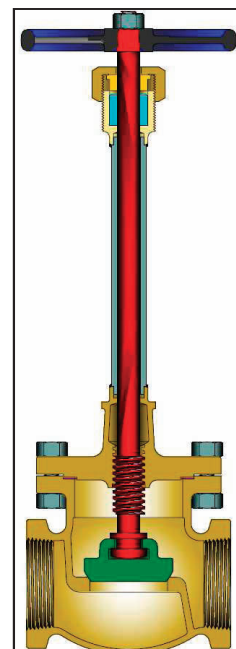
- (1) Other insert materials available.  
(2) Soft Seat design  
(3) Sizes 2½" and 3" use a bolted bonnet design.

#### 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:

- **Plug** type discs are held by a locknut.
- **Integral** seats have openings equal to nominal pipe size of valve.
- **Valves** can be reground without being removed from the line.
- **Each** valve is shell and seat pressure tested per industry standard MSS SP-80.
- **Valves** are specially cleaned and processed for oxygen or cryogenic service and are then sealed to prevent contamination.
- **Valves** available with non-extended bonnets. See Bronze and Iron Catalog for dimensions and weights of non-extended design.

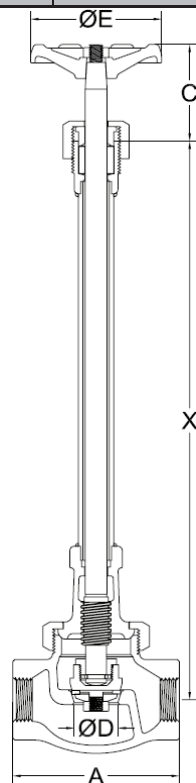


Bolted Bonnet Design (3) with metal seats

Class	Fig. No.
200	0110

# **GLOBE VALVE DIMENSIONS (CLASS 200).**

SIZE	FIG 0110						
in	A	C	D	X (1)	E	WT	lb
mm							kg
¼	2.25	1.8	0.25	12.0	2.5	0.9	0.6
6	57	46	6	305	64	0.4	
¾	2.38	1.8	0.38	12.0	2.5	1.1	1.4
10	60	46	10	305	64	0.5	
½	2.63	2.1	0.50	12.0	2.8	1.3	2.5
13	67	54	13	305	70	0.6	
¾	3.25	2.4	0.75	12.0	3.3	2.2	5.8
20	83	62	19	305	83	1.0	
1	3.81	2.7	1.00	13.0	3.6	3.4	10.7
25	97	68	25	330	92	1.5	
1¼	4.38	3.2	1.25	13.0	4.1	5.3	17.1
32	111	82	32	330	103	2.4	
1½	4.88	3.2	1.50	13.0	4.8	7.9	25
40	124	82	38	330	121	3.6	
2	6.00	3.4	2.00	14.0	5.7	12.0	50
50	152	86	51	356	144	5.4	
2½	7.00	4.1	2.50	16.0	8.0	18.5	75
65	178	104	64	406	203	8.4	
3	7.88	4.8	3.00	16.0	9.0	26	110
75	200	121	76	406	229	12	



**C** = Packing sleeve to top open  
**X** = Center to top of stuffing box (Std)

**WT** = Weight  
**C<sub>v</sub>** = Flow Coefficient

(1) Other extensions available. Consult Powell Engineering.