

Class 150 • Union Bonnet • PTFE Disc • Threaded Ends

Features

- Union Bonnet
- Threaded Ends
- Integral Bronze Seat
- Back Seat
- PTFE Disc
- MSS Specification SP-80

For more detailed features, refer to page 35.

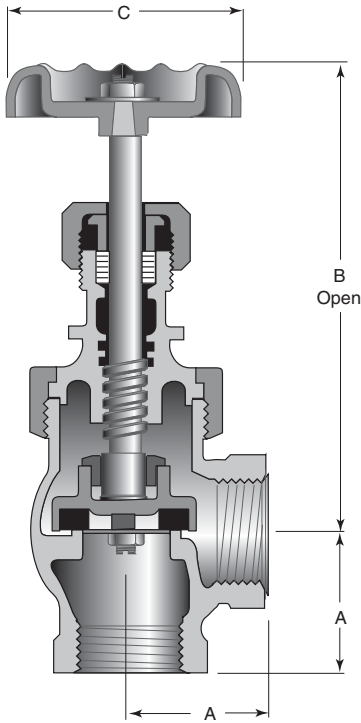
Figure 17TF

Size Range:

¼" through 2"

Working Pressures Non-Shock:

150 psi Steam, Basic Rating
300 psi Cold Working Pressure



Principal Parts & Materials

Part	Sizes	Material	ASTM
Body	All	Bronze	B62 alloy C83600
Bonnet	¼" - ⅜"	Brass	B16 H02
Bonnet	½" - 2"	Bronze	B62 alloy C83600
Disc Holder	¼" - ½"	Brass	B16 H02
Disc Holder	¾" - 2"	Bronze	B62 alloy C83600
Stem	All	Bronze	B371 alloy C69400
Disc	All	PTFE w/metal holder	—

Dimensions and Weights

Inches (millimeters) - pounds (kilograms)

	¼	⅜	½	¾	1	1 ¼	1 ½	2
	(6)	(10)	(15)	(20)	(25)	(32)	(40)	(50)
A	1.18 (30)	1.18 (30)	1.17 (30)	1.39 (35)	1.63 (41)	2.02 (51)	2.18 (55)	2.68 (68)
B	4.12 (105)	3.97 (101)	3.91 (99)	5.18 (132)	5.34 (136)	6.53 (166)	6.96 (177)	7.34 (186)
C	2.13 (54)	2.13 (54)	2.25 (57)	2.95 (75)	3.03 (77)	3.69 (94)	4.63 (118)	5.24 (133)
WTS.	1.00 (0.43)	0.90 (0.41)	1.30 (0.59)	2.20 (1.00)	3.30 (1.47)	5.30 (2.38)	7.10 (3.22)	11.90 (5.38)

Class 200 • Threaded Bonnet • Needle Type Disc • Threaded Ends

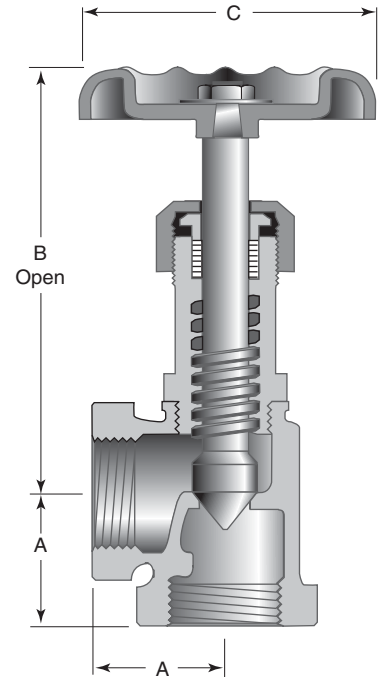
Figure 89
Angle Valve
Size Range:
1/8" through 3/4"

Working Pressures Non-Shock:
200 psi Steam, Basic Rating
400 psi Cold Working Pressure

Features

- Rising Stem
- Screwed Bonnet
- Integral Seat
- Graphite Packing
- MSS Specification SP-80

For more detailed features,
refer to page 35.



Principal Parts & Materials

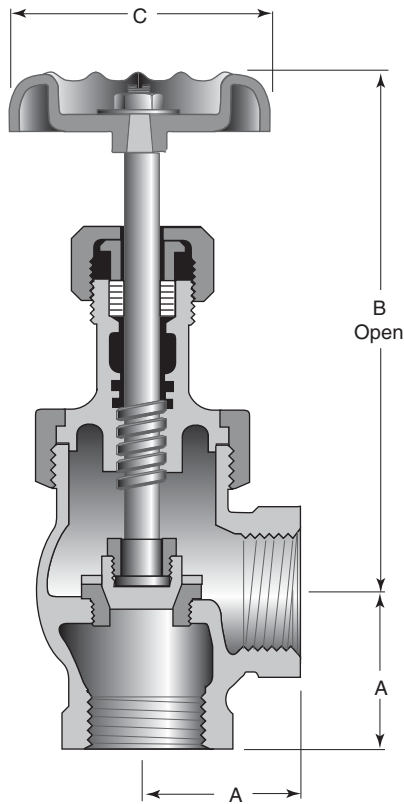
Part	Size	Material	ASTM
Body	All	Bronze	B62 C83600
Bonnet	1/8"–3/8"	Bronze	B150 C64200
Bonnet	1/2"–3/4"	Brass	B16 H02
Stem	All	Bronze	B150 C64200

Dimensions and Weights

Inches (millimeters) - pounds (kilograms)

	1/8 (3)	1/4 (6)	3/8 (10)	1/2 (15)	3/4 (20)
A	0.58 (15)	0.78 (20)	0.91 (23)	1.06 (27)	1.23 (31)
B	2.85 (73)	2.88 (73)	3.06 (78)	3.56 (91)	4.20 (106)
C	1.75 (44)	1.75 (44)	1.75 (44)	2.06 (52)	2.50 (64)
WTS.	0.23 (0.11)	0.30 (0.14)	0.50 (0.22)	0.60 (0.27)	0.96 (0.44)

Class 300 • Union Bonnet • Plug Type Disc • Renewable Stainless Steel Seats



Features

- Ideal for non-shock, severe service, such as throttling soot blower, blow-off, boiler feed, and drip and drain lines
- Plug Type Disc
- Union Bonnet
- Threaded Ends
- Wide Seating Surfaces
- 450 Brinell Hardened Stainless Steel Seat Ring
- Backseat
- MSS Specification SP-80

For more detailed features, refer to page 35.

Figure 384P

Size Range:

¼" through 2"

Working Pressures Non-Shock:

300 psi Steam, Basic Rating

1000 psi Cold Working Pressure

Principal Parts & Materials

Part	Sizes	Material	ASTM
Body	All	Bronze	B61 C92200
Bonnet	¼" - ⅜"	Brass	B16 H02
Bonnet	½" - 2"	Bronze	B61 C92200
Disc	All	Stainless Steel	A276 S42000
Stem	All	Bronze	B371 C69400
Seat Ring	All	Stainless Steel	A276 S42000

Dimensions and Weights

Inches (millimeters) - pounds (kilograms)

	¼ (6)	⅜ (10)	½ (15)	¾ (20)	1 (25)	1 ¼ (32)	1 ½ (40)	2 (50)
A	1.14 (29)	1.17 (30)	1.13 (29)	1.37 (35)	1.63 (41)	2.03 (52)	2.19 (56)	2.74 (70)
B	4.24 (108)	4.21 (107)	4.01 (102)	4.97 (126)	5.35 (136)	6.31 (160)	6.99 (178)	7.17 (182)
C	2.13 (54)	2.13 (54)	2.50 (64)	2.96 (75)	3.00 (76)	3.76 (96)	4.60 (117)	5.26 (134)
WTS.	1.00 (0.45)	0.90 (0.41)	1.30 (0.59)	2.20 (1.00)	3.30 (1.50)	5.70 (2.59)	7.70 (3.49)	13.10 (5.94)