

BRONZE SWING CHECK VALVES

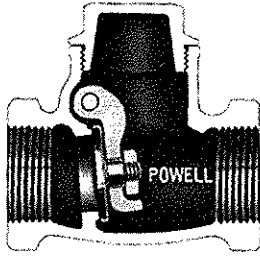


Fig. 578
Threaded
Sizes, 1/4" through 3"
Fig. 578TD
Soft seat
Sizes, 1/4" through 3"

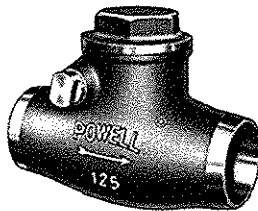


Fig. 1825
Solder Joint
Sizes, 1/2" through 3"
Fig. 1825TD
Soft seat
Sizes, 1/2" through 3"

CLASS 125 SCREWED-IN CAP THREADED and SOLDER JOINT TUBING ENDS

PRESSURE/TEMPERATURE RATINGS

125 psi Steam † at 406°F

200 psi Non-Shock Cold Water, Oil or Gas

† This pressure rating applies to the solder joint end valve bodies. Solder joint valves should NOT be used in services where the temperature of the fluid being handled is higher than the point at which the solder begins to soften.

MATERIALS

DESCRIPTION	MATERIAL	ASTM Spec.
Side Plug	Brass	B-16
Cap *	Bronze	B-62
Body	Bronze	B-62
Carrier Pin	Brass	B-16
Carrier	Bronze	B-62
Disc *	Bronze	B-62
Disc Nut	Brass	Commercial
Disc Insert **	PTFE	Commercial

* Brass ASTM B-16 Sizes 1/4" to 1" incl.

** Fig. 578TD and Fig.1825TD

SPECIFICATIONS

- MSS SP-80
- ASME B16.18

FEATURES

- Renewable Discs
- Integral Seats
- 5° Angle Seat for quick response to low pressure differential
- Valves can be used in horizontal or vertical position; however, when installed in vertical line, flow must be upward with pressure under the disc

DIMENSIONS (Inches)

Size	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
A(Fig.578)	1 7/8	2 1/4	2 3/4	2 7/8	3 1/4	3 3/4	4 1/4	5 1/4	6 1/4	7 1/4
A1(Fig.1825)-	-	-	3 1/8	4	4 3/8	4 7/8	5 1/8	6 1/8	7 1/4	8 3/8
B	-	-	13/16	1	1 1/16	1 1/8	1 3/16	1 3/8	1 5/8	1 7/8
C*	-	-	.629	.879	1.130	1.380	1.630	2.130	2.633	3.133
G	1 3/16	1 5/16	1 7/16	1 11/16	2 1/16	2 1/2	2 13/16	3 5/16	3 15/16	3 15/16

*Tolerance per ASME B16.18

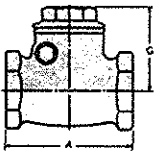


Fig. 578

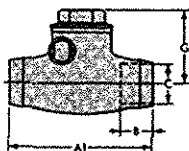


Fig. 1825

WEIGHTS (Pounds)

Fig.578	0.4	0.5	0.7	1.0	1.6	2.3	3.0	6.0	9.0	13.0
Fig.1825	-	-	1.0	1.5	1.5	2.1	3.1	5.0	8.6	13.6