

Fire Protection Valves



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NOTE: Steam Pressure Ratings on Valves are for Body and Components excluding discs. If Valve is equipped with a Rubber Disc, it will not withstand steam pressure.



Canada / UL Listed



Underwriters Laboratory



Factory Mutual

PRESSURE TEMPERATURE RATINGS

The Pressure-Temperature ratings listed below were developed by the Manufacturers Standardization Society of the Valve and Fittings Industry, commonly referred to as "MSS."

PRESSURE TEMPERATURE RATINGS - Non-Shock for Bronze Valve (MSS Standard practice SP-80)

Note (1)

Pressure-Temperature ratings on Solder-Joint Pipe Systems is dependent not only on valve, fitting, and tubing strength, but also on the composition of the solder used for joints. The user is responsible for selecting a solder composition that is compatible with the service conditions.

Note (2)

Pressure-Temperature ratings for valves fitted with non-metallic (composition) discs is dependent upon the composition of the disc material.

Note (3)

ASTM B62 (Alloy 836) can be used to these pressures if temperature is limited to 406EF.

* With Union Bonnet

Pressure Class	PRESSURE - PSI					
	125	150	200 (3)	200	300	
End Conn.	Thd	Thd	Thd	Thd	Thd*	Thd
Temp. Deg. F.	MATERIAL					
	ASTM B-62 Alloy No. 836			ASTM B-61 Alloy No. 992		
-20 to 150	200	300	400	400	1000	600
200	185	270	375	375	920	560
250	170	240	350	350	830	525
325	155	210	325	325	740	490
350	140	180	300	300	650	450
375	—	—	275	275	560	410
406	125	150	260	—	—	—
450	120	145	—	250	480	375
500	—	—	—	225	390	340
550	—	—	—	200	300	300

Alloy ASTM B584 (Alloy 844) valves are limited to pressures marked on valve bodies and no more than 350EF.



UNITED BRASS WORKS, INC.
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 Tel: 800-334-3035 Fax: 800-498-4696 www.ubw.com



Model 80 Ball Valve

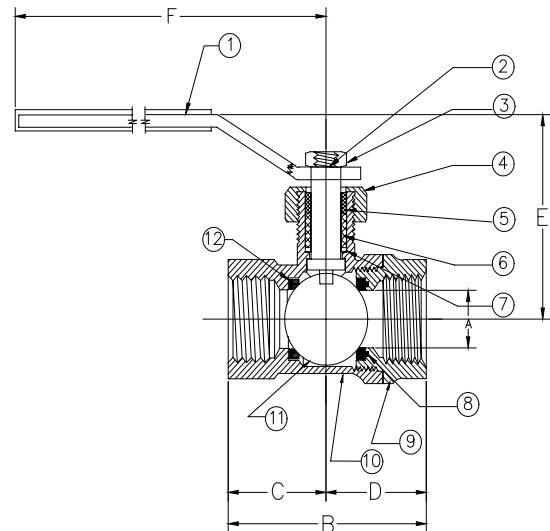
Double Female



- 200 lbs. WSP @ 406 ° Max
- 400 lbs. WOG
- 100% Pressure Tested
- Threaded Ends
- Blow-Out Proof Stem
- 1/4" - 1/2" Full Flow
- 3/4" - 2" Large Port Diameters

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Lever	Plated Steel w/ vinyl grip
2	Stem	Brass
3	Jam Nut	Plated Steel
4	Packing Nut	Brass
5	Packing Sleeve	Brass
6	Packing	Graphite Non-Asb.
7	Bevel Washer	Steel
8	O-Ring	Buna
9	Tail Piece (1/4" - 1/2") Tail Piece (3/4" - 2")	Brass Bronze
10	Body	Bronze
11	Ball	Chrome Plated Brass
12	Nest	Teflon



SIZE	A	B	C	D	E	F	SHIP WT. (lbs.)	QUAN. PER CTN.
1/4"	0.38	1.86	0.92	0.94	1.58	3.31	0.52	12
3/8"	0.38	1.86	0.92	0.94	1.58	3.31	0.52	12
1/2"	0.50	2.17	1.06	1.11	2.28	4.23	0.78	12
3/4"	0.63	2.05	1.20	1.31	2.38	4.23	0.98	12
1"	0.81	3.27	1.67	1.59	2.55	4.23	1.59	6
1 1/4"	1.00	3.48	1.72	1.77	3.19	5.47	2.47	4
1 1/2"	1.25	3.97	1.95	2.02	3.38	5.47	3.50	4
2"	1.50	4.41	2.14	2.27	3.56	5.47	5.00	2



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Model 80SW Ball Valve

Sweat Connection

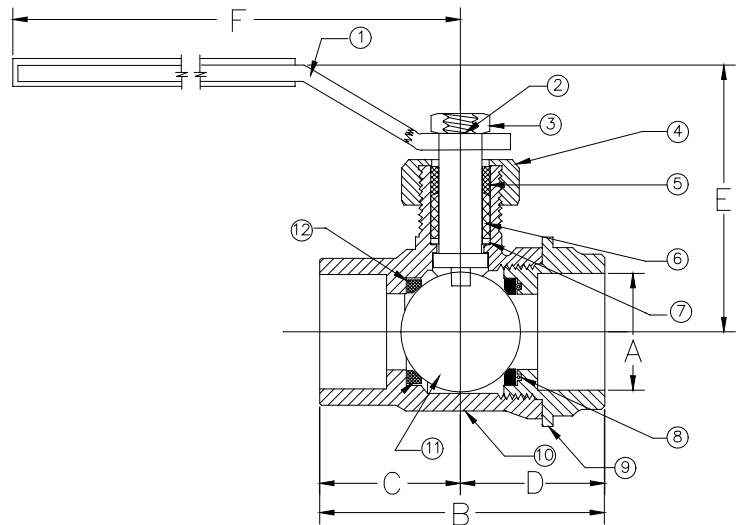


200 lbs. WSP @ 406 ° Max • 400 lbs. WOG
100% Pressure Tested • Solder Ends
Blow-Out Proof Stem • 1/4" - 1/2" Full Flow
3/4" - 2" Large Port Diameters

Care should be taken during installation not to overheat valve as this could damage Teflon seats or o-ring. Valve should be soldered with ball in open position to dissipate heat.

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Lever	Plated Steel w/ vinyl grip
2	Stem	Brass
3	Jam Nut	Plated Steel
4	Packing Nut	Brass
5	Packing Sleeve	Brass
6	Packing	Graphite Non-Asb.
7	Bevel Washer	Steel
8	O-Ring	Buna
9	Tail Piece (1/4" - 1/2")	Brass
	Tail Piece (3/4" - 2")	Bronze
10	Body	Bronze
11	Ball	Chrome Plated Brass
12	Nest	Teflon



SIZE	A	B	C	D	E	F	SHIP WT. (lbs.)	QUAN. PER CTN.
1/4"	0.36	1.86	0.92	0.98	1.55	3.31	0.52	12
3/8"	0.36	1.86	0.92	0.98	1.55	3.31	0.52	12
1/2"	0.50	2.17	1.06	1.11	2.28	4.23	0.78	12
3/4"	0.63	2.52	1.20	1.31	2.35	4.23	0.98	12
1"	0.81	3.27	1.67	1.59	2.55	4.23	1.59	6
1 1/4"	1.00	3.48	1.72	1.77	3.19	5.47	2.47	4
1 1/2"	1.25	3.97	7.95	2.02	3.38	5.47	3.50	4
2"	1.50	4.41	2.14	2.27	3.56	5.47	5.00	2



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Model 80MXF Ball Valve

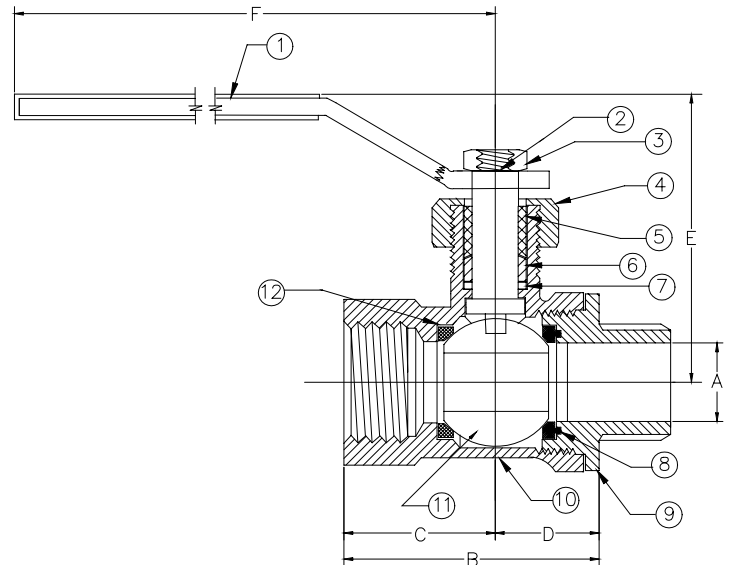
Male x Female



200 lbs. WSP @ 406 ° Max
400 lbs. WOG
100% Pressure Tested
Blow-Out Proof Stem
1/4" - 1/2" Full Flow
3/4" - 2" Large Port Diameters

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Lever	Plated Steel w/ vinyl grip
2	Stem	Brass
3	Jam Nut	Plated Steel
4	Packing Nut	Brass
5	Packing Sleeve	Brass
6	Packing	Graphite Non-Asb.
7	Bevel Washer	Steel
8	O-Ring	Buna
9	Tail Piece (1/4" - 1/2") Tail Piece (3/4" - 2")	Brass Bronze
10	Body	Bronze
11	Ball	Chrome Plated Brass
12	Nest	Teflon



SIZE	A	B	C	D	E	F	SHIP WT. (lbs.)	QUAN. PER CTN.
1/4"	0.38	1.86	0.92	0.94	1.55	3.31	0.52	12
3/8"	0.38	1.86	0.92	0.94	1.55	3.31	0.52	12
1/2"	0.50	2.17	1.06	1.11	2.28	4.23	0.78	12
3/4"	0.63	2.52	1.20	1.3	2.35	4.23	0.98	12
1"	0.81	3.27	1.67	1.59	2.55	4.23	1.59	6
1 1/4"	1.00	3.48	1.72	1.77	3.19	5.47	2.47	4
1 1/2"	1.25	3.97	7.95	2.02	3.38	5.47	3.50	4
2"	1.50	4.41	2.14	2.27	3.56	5.47	5.00	2



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Model 125S Globe Valve

Soft Disc

200 WOG @ 180 ° Max

100% Pressure Tested

Threaded Ends • Integral Seat

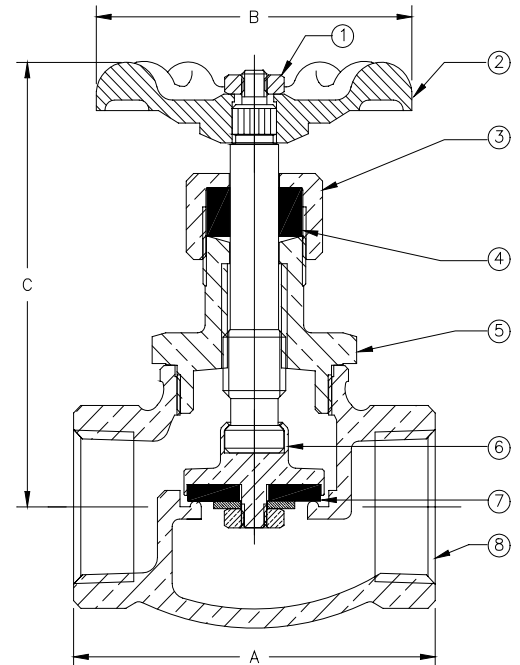
Rising Stem

Swivel Disc Holder



MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Hex Nut	Steel
2	Handwheel	Aluminum
3	Packing Nut	Brass
4	Packing	Graphite Non-Asb.
5	Bonnet (1/4" – 1") Bonnet (1 1/4" – 2")	Brass Bronze
6	Stem & Disc Holder	Brass
7	Disc	Buna N
8	Body	Bronze



Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	1.75	1.84	2.22	2.47	2.97	3.56	4.06	4.69
B	1.75	1.75	2.03	2.38	2.75	3.00	3.72	3.72
C (closed)	2.88	3.13	3.38	3.50	4.25	4.75	5.50	5.50
Ship Wt. (lbs.)	0.44	0.56	0.69	0.94	1.76	2.50	3.26	5.32
Qty. Unit Pack	12	12	12	6	6	4	2	2
Qty. Per Case	60	60	72	60	36	24	12	12



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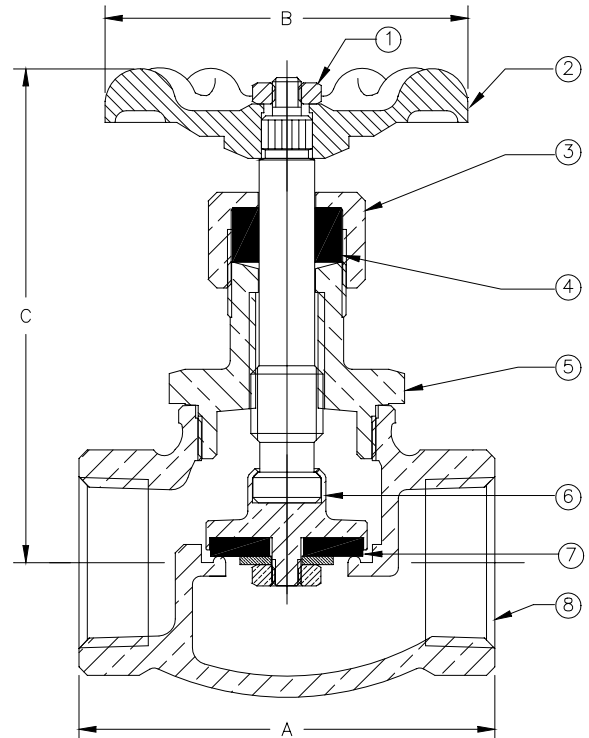


Model 125SUL Globe Valve

Soft Disc



UL **US** **UL** Listed for Fire Sprinkler Service at 250 WOG
200 WOG @ 180 ° Max
100% Pressure Tested
Threaded Ends • Integral Seat
Rising Stem
Swivel Disc Holder



MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Hex Nut	Steel
2	Hand Wheel	Aluminum
3	Packing Nut	Brass
4	Packing	Graphite Non-Asb.
5	Bonnet (½" – 1") Bonnet (1¼" – 2")	Brass Bronze
6	Stem & Disc Assm.	Brass
7	Disc	Buna N
8	Body	Bronze

Size	½"	¾"	1"	1 ¼"	1 ½"	2"
A	2.22	2.47	2.97	3.56	4.06	4.69
B	2.03	2.38	2.75	3.00	3.72	3.72
C (closed)	3.38	3.50	4.25	4.75	5.50	5.50
Ship Wt. (lbs.)	0.69	0.94	1.76	2.50	3.26	5.32
Qty. Unit Pack	12	6	6	4	2	2
Qty. Per Case	72	60	36	24	12	12



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Model 175S Globe Valve

200 WOG @ 180 ° Max

100% Pressure Tested

Threaded Ends

Soft Disc

Rising Stem

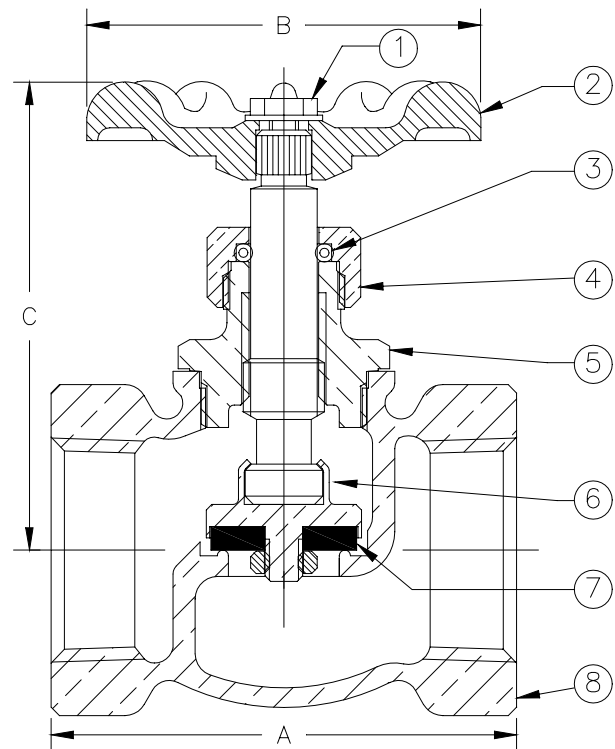
Integral Seat

Swivel Disc Holder

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Machine Screw	Steel
2	Hand Wheel	Aluminum
3	O-Ring	Buna
4	O-Ring Nut	Brass
5	Bonnet	Brass
6	Stem / Disc Assm.	Brass
7	Disc	Buna N
8	Body	Bronze

Size	1/2"	3/4"	1"
A	2.00	2.16	2.66
B	2.13	2.13	2.13
C (Open)	2.66	2.66	2.94
C (Closed)	2.30	2.27	2.63
Ship Wt. (lbs.)	0.65	0.75	1.17
Qty. Unit Pack	12	6	6
Qty. Per Case	72	60	60





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Model 126S Angle Valve

Soft Disc

200 WOG @ 180 ° Max

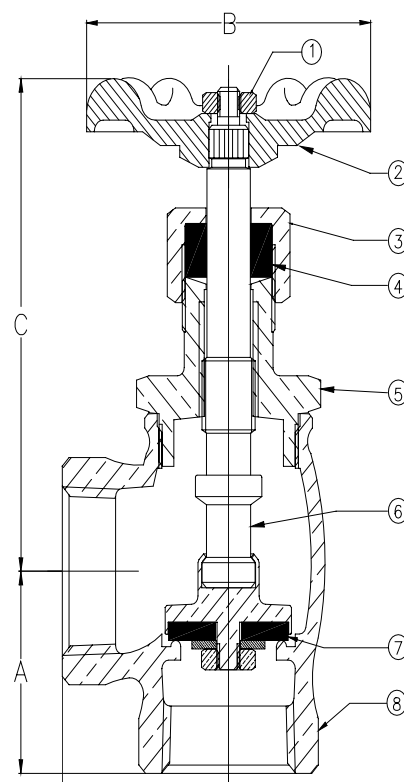
100% Pressure Tested

Threaded Ends

Rising Stem • Integral Seat

Swivel Disc Holder

MATERIAL LIST		
NO.	DESCRIPTION	MATERIAL
1	Hex Nut	Steel
2	Hand Wheel	Aluminum
3	Packing Nut	Brass
4	Packing	Graphite Non-Asb.
5	Bonnet (1/4" – 1") Bonnet (1 1/4" – 2")	Brass Bronze
6	Stem & Disc Holder	Brass
7	Disc	Buna N
8	Body	Bronze



Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	0.84	0.94	1.03	1.22	1.47	1.75	2.00	2.34
B	1.75	1.75	2.03	2.38	2.75	3.00	3.72	3.72
C (closed)	2.63	3.00	3.13	3.25	4.38	4.50	5.25	5.63
Ship Wt. (lbs.)	0.44	0.56	0.69	0.94	1.76	2.50	3.26	5.32
Qty. Unit Pack	12	12	12	6	6	4	2	2
Qty. Per Case	60	60	72	60	36	24	12	12



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Model 126SUL Angle Valve Soft Disc



UL Listed for Fire Sprinkler Service at 250 WOG

200 WOG @ 180 ° Max

100% Pressure Tested

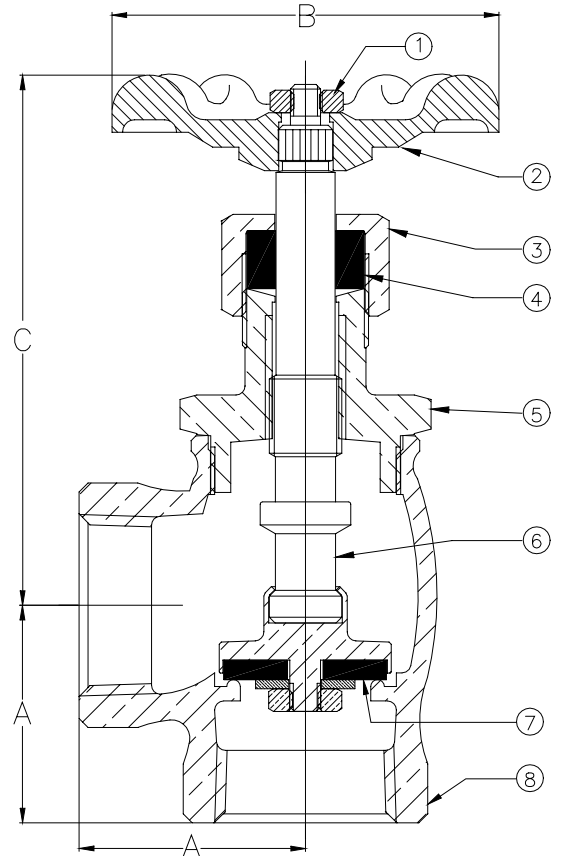
Threaded Ends

Rising Stem • Integral Seat



MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Hex Nut	Steel
2	Hand Wheel	Aluminum
3	Packing Nut	Brass
4	Packing	Graphite Non-Asbestos
5	Bonnet (½" – 1") Bonnet (1 ¼" – 2")	Brass Bronze
6	Stem & Seat Assembly	Brass
7	Disc	Buna N
8	Body	Bronze



Size	½"	¾"	1"	1 ¼"	1 ½"	2"
A	1.03	1.22	1.47	1.75	2.00	2.34
B	2.03	2.38	2.75	3.00	3.72	3.72
C (closed)	3.13	3.25	4.38	4.50	5.25	5.63
Ship Wt. (lbs.)	0.69	0.94	1.76	2.50	3.26	5.32
Qty. Unit Pack	12	6	6	4	2	2
Qty. Per Case	72	60	36	24	12	12



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Model 176PA Angle Valve

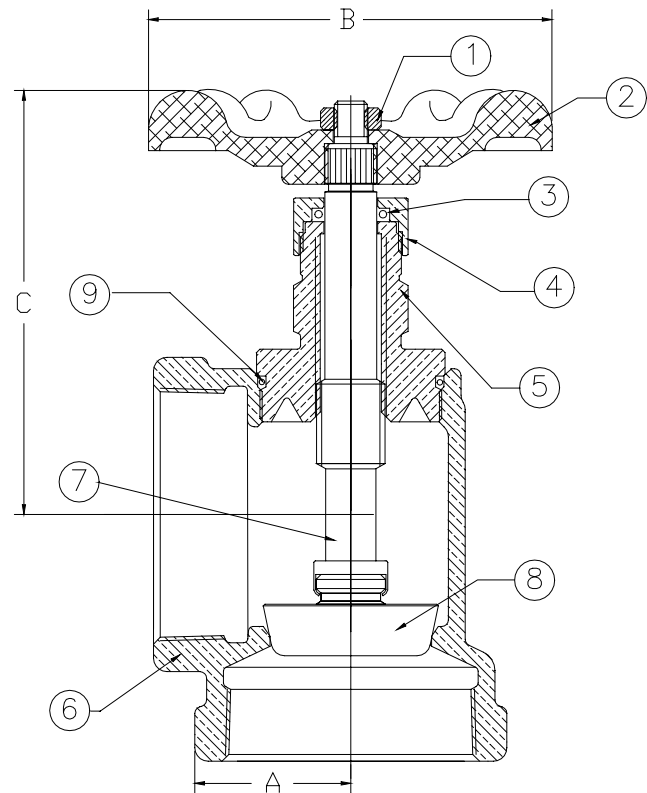
200 WOG @ 180 ° Max

100% Pressure Tested

Threaded Ends

Rising Stem • Integral Seat

Swivel Disc Holder



MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Jam Nut	Steel
2	Handwheel	Aluminum
3	Stem O-Ring	Buna-N
4	O-Ring Nut	Brass
5	Bonnet	Brass
6	Body	Bronze
7	Stem	Brass
8	Disc	Acetron GP
9	Bonnet O-Ring	Buna-N

Size	A	B	C (Open)	C (Closed)	Ship Wgt. (lbs)	Qty. Unit Pack	Qty. Per Case
2"	2.30	3.75	5.25	3.90	2.9	2	12

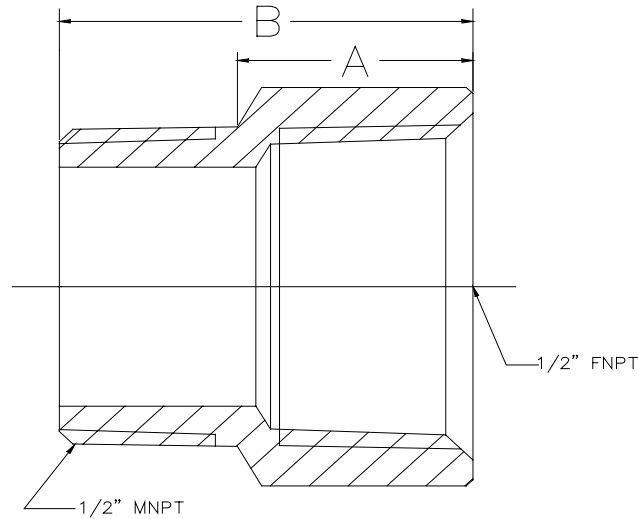


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Sprinkler Head Extensions

200 lbs. WOG
½ NPT Male X ½ NPT Female
Brass (ASTM B16)
Heavy Knurl



Part #	A Nominal Length	B Overall Length	Weight	Qty./Box
101	0.50	1.00	0.08	100
102	0.75	1.38	0.11	100
103	1.00	1.75	0.16	50
104	1.50	2.25	0.21	50
105	2.00	2.75	0.27	50

Part #101 Threads are shorter than standard to provide minimum length of extension. (Use this size only when absolutely necessary.) These fittings may not seal if mating parts are not made to ½" NPT gauge. Use care in applying sufficient thread sealant and tightening properly. Inspect for leaks.



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Model 99 Swing Check Valve

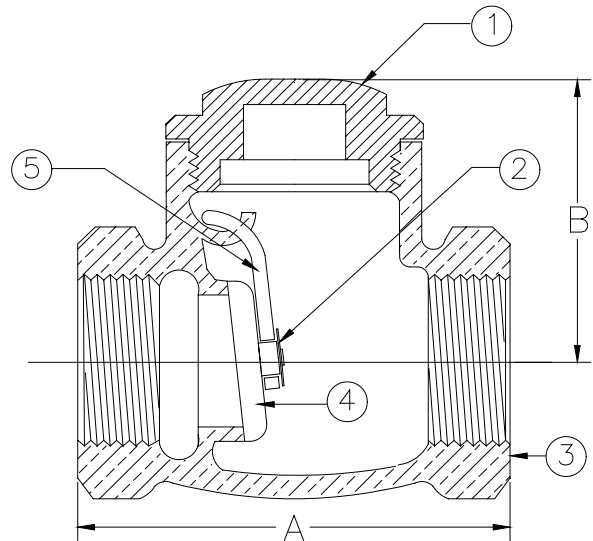


125 WSP @ 350° Max
200 WOG @ 180° Max
100% Pressure Tested
Threaded Ends • Metal Disc
Integral Seat

Install in horizontal position only.
Do not install laying on side. Keep seat clean.
Not Recommended for Pulsating or Vibrating Service!

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Cap (1/4" - 1") Cap (1 1/4" - 2")	Brass Bronze
2	Washer	Brass
3	Body	Bronze
4	Disc	Brass
5	Hinge	Stainless Steel



Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	1.89	1.89	2.14	2.51	3.03	3.45	3.81	4.44
B	1.22	1.22	1.28	1.53	2.06	2.20	2.20	2.86
Ship Wgt. (lbs.)	0.45	0.45	0.58	0.81	1.62	1.81	2.41	3.42
Qty. Unit Pack	12	12	12	12	6	6	4	2
Qty. Per Case	60	60	60	60	30	18	12	6



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Model 99S Swing Check Valve

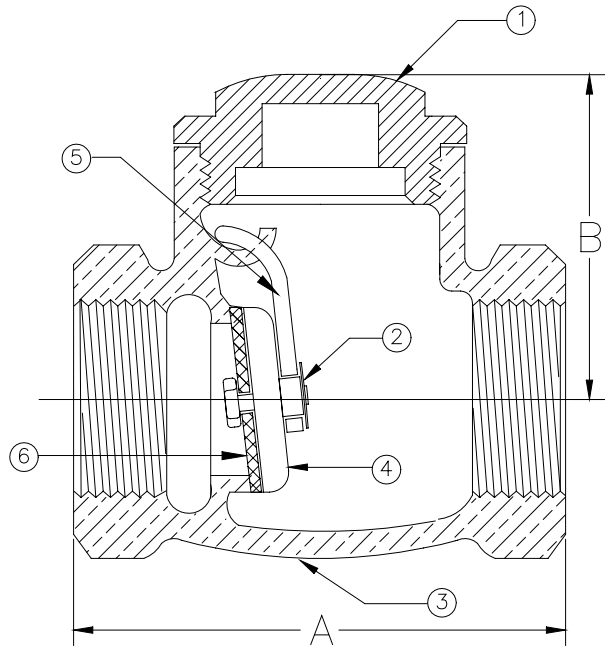


200 WOG @ 180 ° Max
100% Pressure Tested • Integral Seat
Threaded Ends • Soft Disc

Not recommended for pulsating or vibrating service.
Install in horizontal position only.
Do Not Install laying on side.
Keep seat clean.

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Cap (1/4" - 1") Cap (1 1/4" - 2")	Brass Bronze
2	Washer	Brass
3	Body	Bronze
4	Disc	Brass
5	Hinge	Stainless Steel
6	Disc	Buna-N



Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	1.89	1.89	2.14	2.51	3.03	3.45	3.81	4.44
B	1.22	1.22	1.28	1.53	2.06	2.20	2.20	2.86
Ship Wgt. (lbs.)	0.45	0.45	0.58	0.81	1.62	1.81	2.41	3.42
Qty. Unit Pack	12	12	12	12	6	6	4	2
Qty. Per Case	60	60	60	60	30	18	12	6



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Model 210 Swing Check Valve



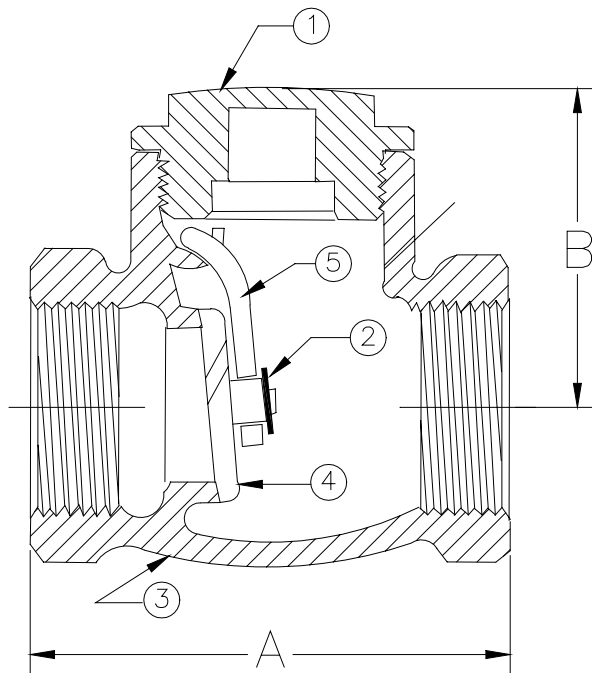
200 WOG @ 180 ° Max
100% Pressure Tested • Integral Seat
Threaded Ends • Metal Disc

*Swing Check Valve with 3/32" orifice in Clapper
 for use on automatic pressure switch line of fire pump
 installation as required by NFPA No. 20A-7-5.2.1.*

*Not Recommended for Pulsating or Vibrating Service!
 Install in horizontal position only!*

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Cap (1/4" - 1") Cap (1 1/4" - 2")	Bronze Brass
2	Washer	Brass
3	Body	Bronze
4	Disc	Brass
5	Hinge	Stainless Steel



Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	1.89	1.89	2.14	2.51	3.03	3.45	3.81	4.44
B	1.22	1.22	1.28	1.53	2.06	2.20	2.20	2.86
Ship Wgt. (lbs.)	0.45	0.45	0.58	0.81	1.62	1.81	2.41	3.42
Qty. Unit Pack	12	12	12	12	6	6	4	2
Qty. Per Case	60	60	60	60	30	18	12	6



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Tel: 800-334-3035 Fax: 800-498-4696 www.ubw.com



Model 210A Swing Check Valve

200 WOG @ 180 ° Max

**100% Pressure Tested • Integral Seat
Threaded Ends • Metal Disc**

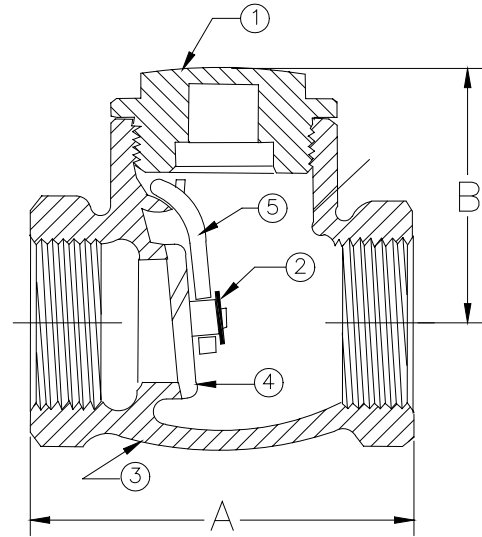
Swing Check Valve with 1/8" orifice in clapper.

***Not Recommended for Pulsating or Vibrating Service!
Install in horizontal position only!***



MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Cap (1/4" – 1") Cap (1 1/4" – 2")	Bronze Brass
2	Washer	Brass
3	Body	Bronze
4	Disc	Brass
5	Hinge	Stainless Steel



Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	1.89	1.89	2.14	2.51	3.03	3.45	3.81	4.44
B	1.22	1.22	1.28	1.53	2.06	2.20	2.20	2.86
Ship Wgt. (lbs.)	0.45	0.45	0.58	0.81	1.62	1.81	2.41	3.42
Qty. Unit Pack	12	12	12	12	6	6	4	2
Qty. Per Case	60	60	60	60	30	18	12	6



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Model 210S Swing Check Valve



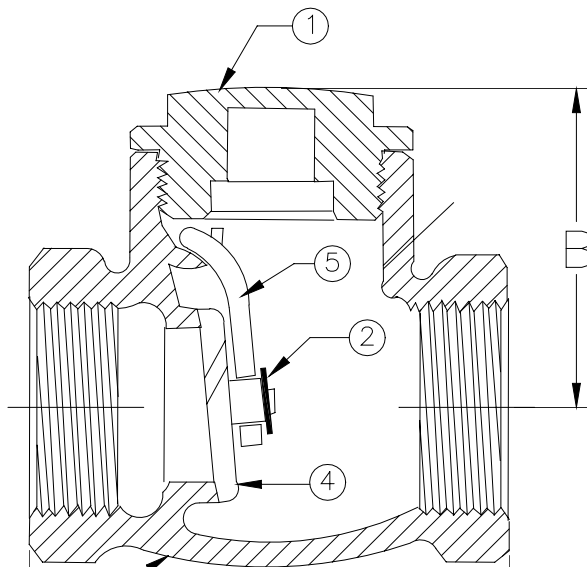
200 WOG @ 180 ° Max
100% Pressure Tested • Integral Seat
Threaded Ends • Metal Disc

*Swing Check valve Special with 1/32" Hole in Clapper
for use in Anti-Freeze Loop NFPA 13 5-5.4.*

*Not Recommended for Pulsating or Vibrating Service!
Install in horizontal position only!*

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Cap (1/4" – 1") Cap (1 1/4" – 2")	Bronze Brass
2	Washer	Brass
3	Body	Bronze
4	Disc	Brass
5	Hinge	Stainless Steel



Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	1.89	1.89	2.14	2.51	3.03	3.45	3.81	4.44
B	1.22	1.22	1.28	1.53	2.06	2.20	2.20	2.86
Ship Wgt. (lbs.)	0.45	0.45	0.58	0.81	1.62	1.81	2.41	3.42
Qty. Unit Pack	12	12	12	12	6	6	4	2
Qty. Per Case	60	60	60	60	30	18	12	6



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Model 50 Check Valve

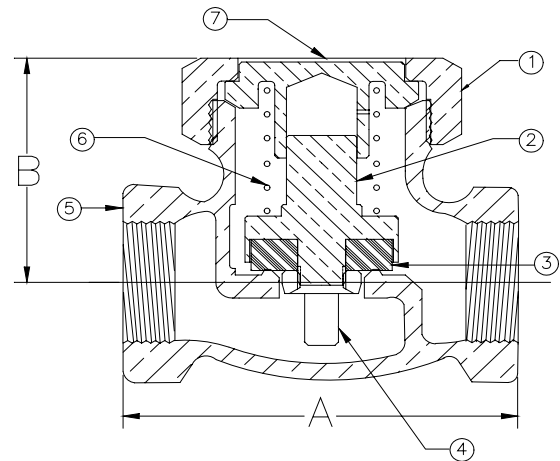
Spring Loaded Lift Check
Complies with MSS-SP-80-97

400 WOG @ 180 ° Max
100% Pressure Tested
Threaded Ends • Soft Disc
Integral Seat

*Equipped with 24S disc for water service,
Not recommended for steam.*

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Bonnet Nut (1/4" – 3/8") Bonnet Nut (1/2" – 2")	Brass Bronze
2	Disc Holder (1/4" – 3/4") Disc Holder (1" – 2")	Brass Bronze
3	Soft Disc	Buna
4	Disc Holder Nut (1/4" – 1 1/4") Disc Holder Nut (1 1/2" – 2")	Brass Bronze
5	Body	Bronze
6	Spring	Stainless Steel
7	Guide (1/4" – 3/4") Guide (1" – 2")	Brass Bronze



Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	2.19	2.36	2.59	3.17	3.75	4.28	4.78	5.88
B	1.19	1.50	1.88	1.81	2.06	2.38	2.63	3.25
Ship Wgt. (lbs.)	0.56	0.75	1.03	1.61	2.44	3.84	5.20	9.00
Qty. Per Ctn.	12	12	12	6	6	2	2	1



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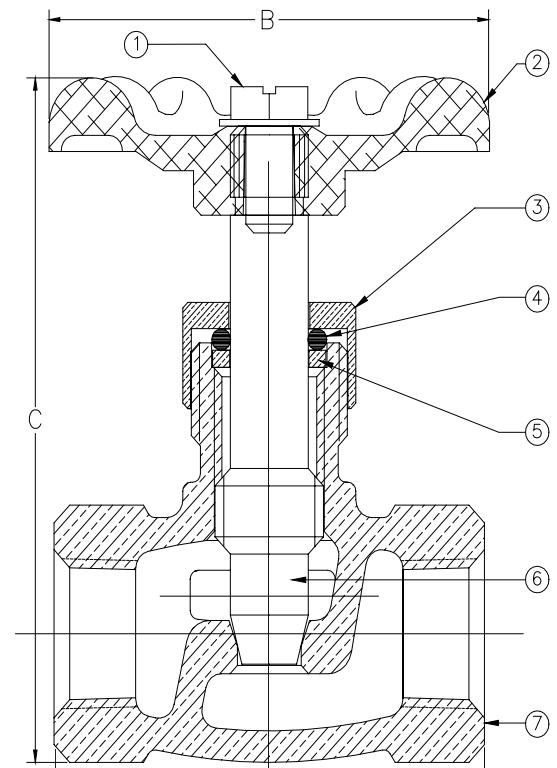


Model 76 Gauge Test Valve

300 WOG @ 180 ° Max
100% Pressure Tested
Screwed Ends

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Screw	Stainless Steel
2	Hand Wheel	Aluminum
3	Packing Nut	Brass
4	O-Ring	Nitrile
5	Washer	Brass
6	Stem	Brass
7	Body	Bronze



Size	1/4"
A	1.750
B	1.734
C	2.469
Ship Wgt. (lbs.)	0.34
Qty. Per Ctn.	25



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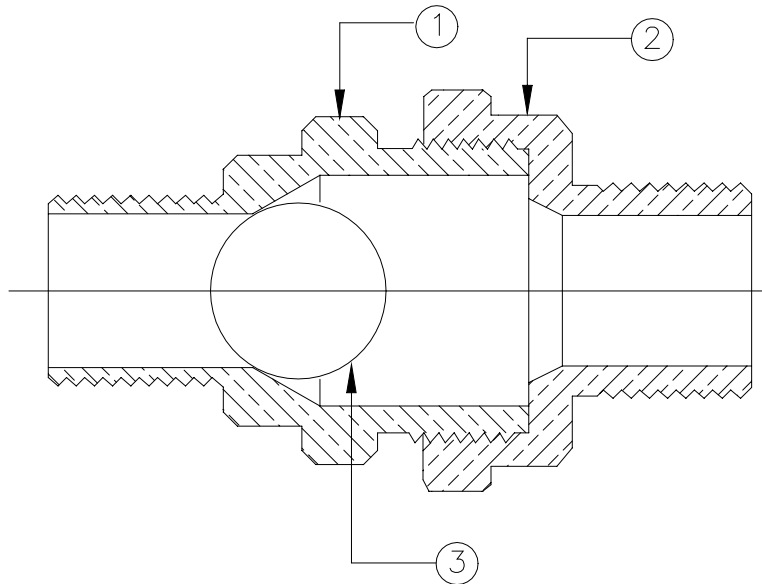


Model 235 Ball Drip Valve

200 lbs. WOG



*Valve unseats only by force of gravity
 causing ball to fall off seat.
 Use only in horizontal position.
 Do Not Use with more than
 1 ft. of head (water pressure) on ball check.*



MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Body	Brass
2	Tail Piece	Brass
3	Ball	Stainless Steel

Size	1/2"	3/4"
Ship Wgt. (lbs.)	0.43	0.56
Qty. Unit Pack	12	12



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Model 200 Strainer With Steel Plug

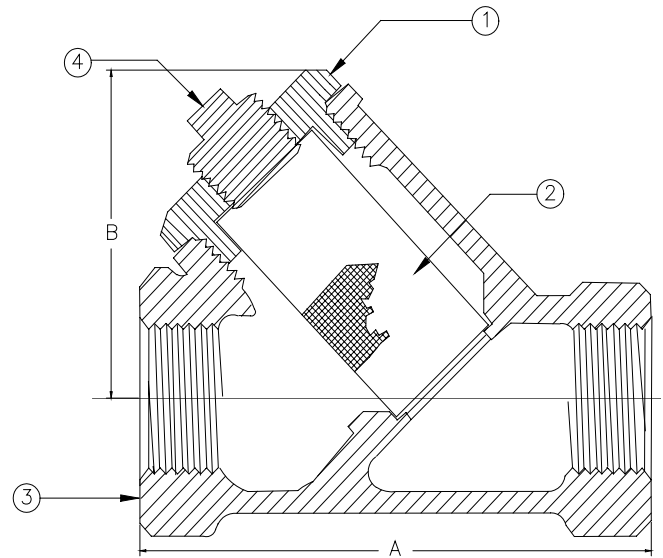
**200WSP @ 406° Max
 400 WOG
 100% Pressure Tested
 Threaded Ends**

All Available in 24, 50 or 100 Mesh screen sizes.



MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Cap (1/4" - 1") Cap (1 1/4" - 2")	Brass Bronze
2	Screen	Stainless Steel
3	Body	Bronze
4	Plug	Steel



Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	2.73	2.72	2.84	3.41	3.94	5.41	6.81	8.19
B	1.87	1.87	1.81	2.09	2.86	4.13	4.31	5.00
Ship Wgt. (lbs)	0.75	0.78	0.81	1.36	2.39	2.39	5.78	10.13
Qty. Per Ctn.	12	12	12	12	6	6	4	2



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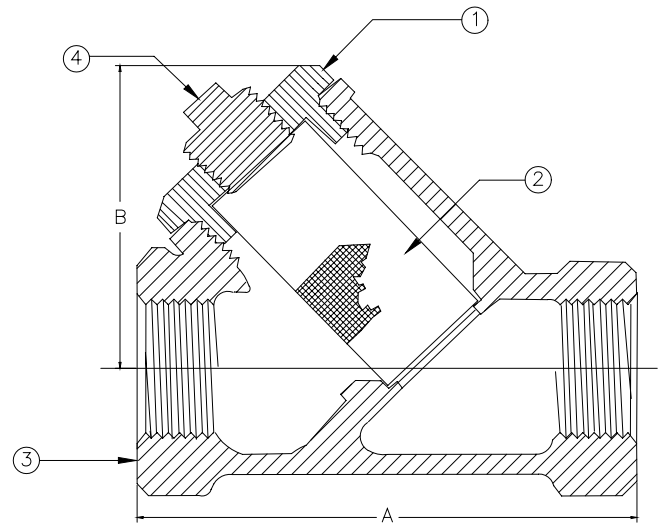
Model 200WBP Strainer With Brass Plug

**200WSP @ 406° Max
400 WOG**

**100% Pressure Tested
Threaded Ends**

All Available in 24, 50 or 100 Mesh screen sizes.

MATERIAL LIST		
NO.	DESCRIPTION	MATERIAL
1	Cap (1/4" - 1") Cap (1 1/4" - 2")	Brass Bronze
2	Screen	Stainless Steel
3	Body	Bronze
4	Plug	Brass



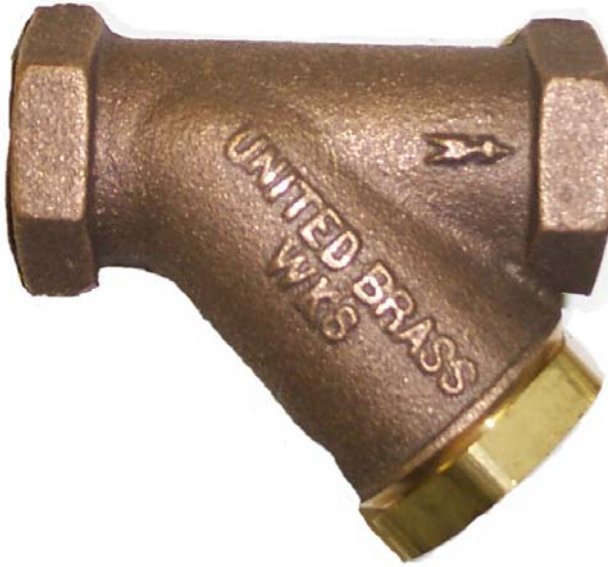
Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	2.73	2.72	2.84	3.41	3.94	5.41	6.81	8.19
B	1.87	1.87	1.81	2.09	2.86	4.13	4.31	5.00
Ship Wgt. (lbs)	0.75	0.78	0.81	1.36	2.39	2.39	5.78	10.13
Qty. Per Ctn.	12	12	12	12	6	6	4	2



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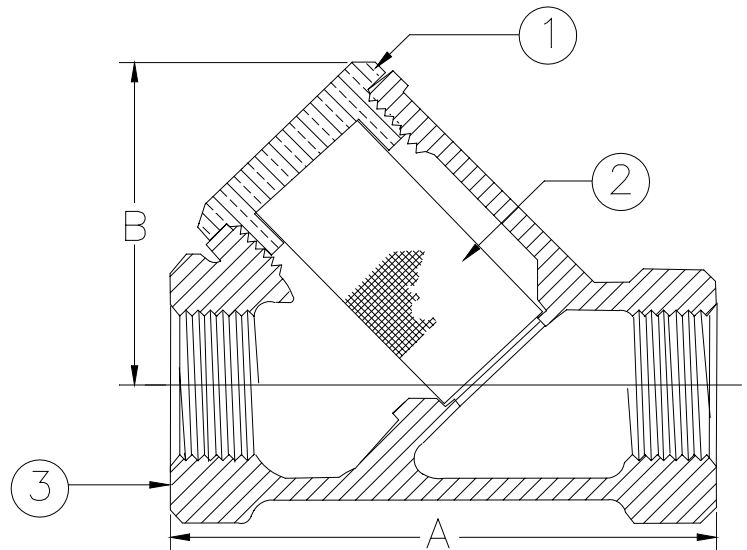
Model 200WSC Strainer With Solid Cap

200 WSP @ 406° Max
400 WOG
100% Pressure Tested
Threaded Ends

All Available in 24, 50 or 100 Mesh screen sizes.

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Cap (1/4" - 1") Cap (1 1/4" - 2")	Brass Bronze
2	Screen	Stainless Steel
3	Body	Bronze



Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	2.73	2.72	2.84	3.41	3.94	5.41	6.81	8.19
B	1.87	1.87	1.81	2.09	2.86	4.13	4.31	5.00
Ship Wgt. (lbs)	0.75	0.78	0.81	1.36	2.39	2.39	5.78	10.13
Qty. Per Ctn.	12	12	12	12	6	6	4	2



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Tel: 800-334-3035 Fax: 800-498-4696 www.ubw.com



Model 18 Gate Valve

Bronze Screwed Ends

Outside Screw & Yoke

UL Listed / FM Approved @ 175 lbs. WOG

200 WOG @ 180 ° Max

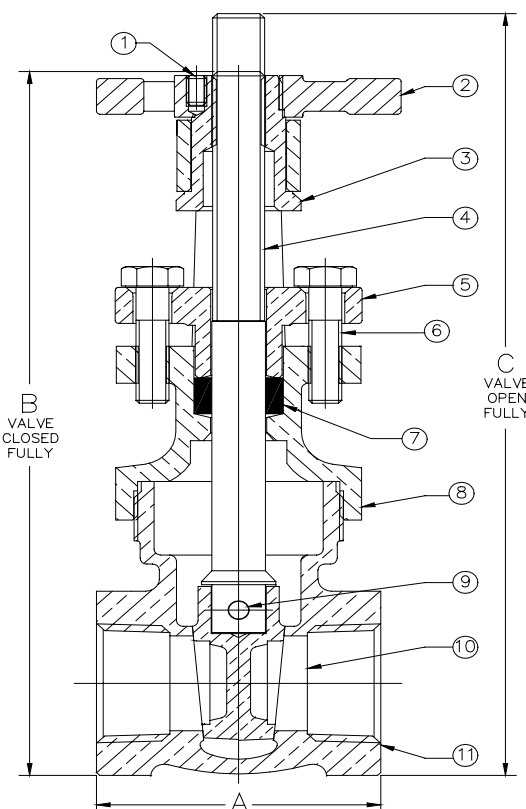
100% Pressure Tested

Rising Stem

MEA Approval 255-93-E

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Set Screw	Steel
2	Hand Wheel	Iron
3	Yoke Bushing	Brass
4	Stem	Brass
5	Packing Gland	Brass
6	Cap Screw	Steel
7	Packing	Graphite Non-Asb.
8	Bonnet	Bronze
9	Spirol Pin	Stainless Steel
10	Wedge	Bronze
11	Body	Bronze



Size	A	B	C	Ship Wgt. (lbs.)	Qty. Unit Pack	Qty. Per Case
1	2.55	6.55	7.97	3.85	6	18
1 ¼"	2.81	7.61	9.47	6.26	2	12
1 ½"	2.86	7.84	9.75	6.55	2	6
2"	3.09	8.88	11.22	9.96	2	6



UNITED BRASS WORKS, INC.

714 S. Main St., Randleman, NC 27317

Tel: 800-334-3035 Fax: 800-498-4696 www.ubw.com



Model 132 Inspector's Test & Relief Valve

UL Listed

Relief Pressure 175 PSI

Soft Disc • 200 WOG @ 180 ° Max

100% Pressure Tested

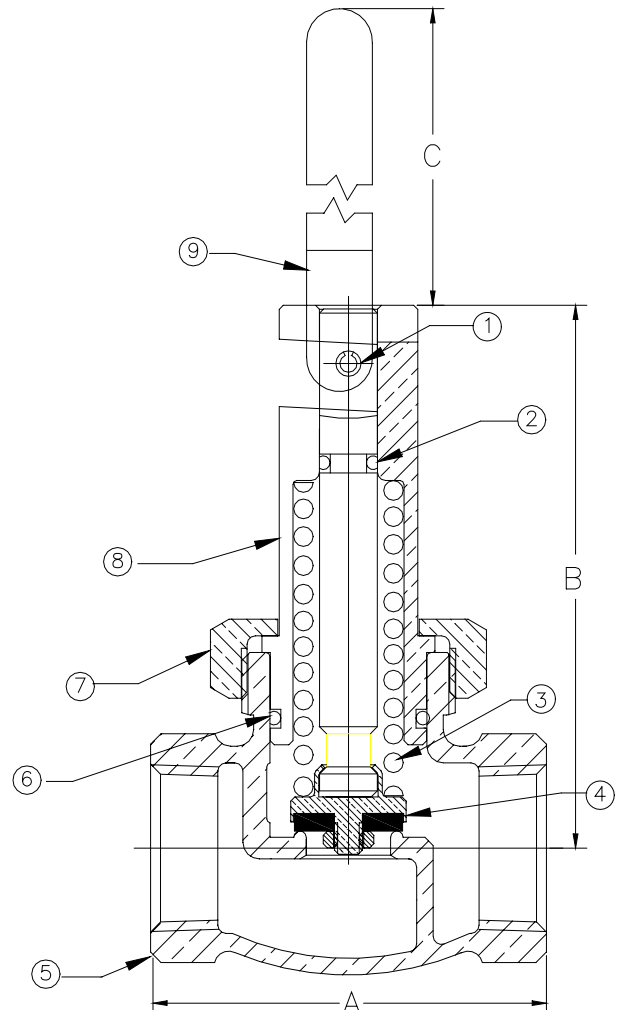
Threaded Ends • Swivel Disc Holder

Rising Stem • Integral Seat

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Spring Pin	Steel
2	Stem O-Ring	Buna-N
3	Spring	Steel
4	Stem / Disc Holder	Brass
5	Body	Bronze
6	O-Ring	Buna-N
7	Bonnet Nut	Brass
8	Bonnet	Brass
9	Lever	Brass

Size	1"
A	3.06
B	4.13
C	2.85
Ship Wgt.	2.30
Qty. Case	1





UNITED BRASS WORKS, INC.

714 S. Main St., Randleman, NC 27317

Tel: 800-334-3035 Fax: 800-498-4696 www.ubw.com



Model 70P High Pressure Indicator

With Polycarbonate Window*

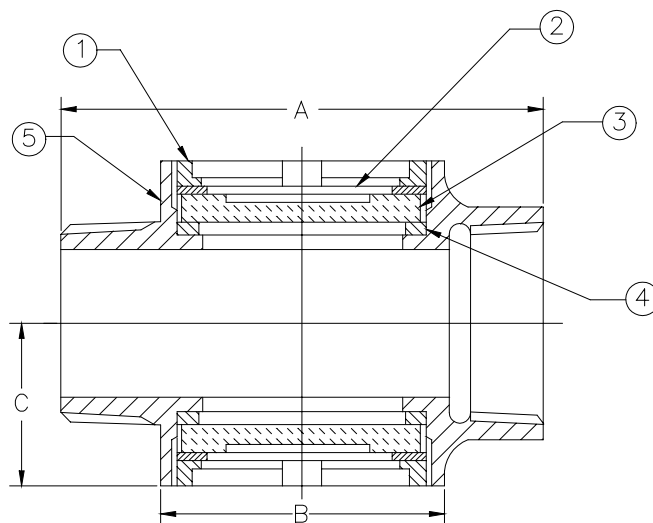
175 WOG @ 150° Max

100% Pressure Tested

Male X Female Configuration

* *Continuous use above 150° can cause embrittlement and reduce strength of Polycarbonate Window.*

MATERIAL LIST		
NO.	DESCRIPTION	MATERIAL
1	Ring	Brass
2	Gasket	Cork
3	Window	Polycarbonate
4	Gasket	Buna
5	Body	Bronze



Size	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"***
Operating Pressure (PSI) ***	175	175	175	175	175	175	175
A	4.00	4.00	4.00	6.19	6.19	6.38	3.88
B	1.63	1.63	1.63	2.43	2.43	2.43	2.91
C	1.69	1.69	1.75	2.25	2.25	2.25	2.52
Ship Wgt. (lbs)	1.37	1.50	1.50	4.69	4.56	5.25	8.25
Qty. Unit Pack	4	4	4	2	2	1	1
Unit Per Case	40	40	40				

** 3" Double Female Only

*** Higher Pressure Glass Available As Special



UNITED BRASS WORKS, INC.

714 S. Main St., Randleman, NC 27317

Tel: 800-334-3035 Fax: 800-498-4696 www.ubw.com



Model 70HRP Sprinkler Systems Flow Indicator

175 WOG @ 150° Max

100% Pressure Tested

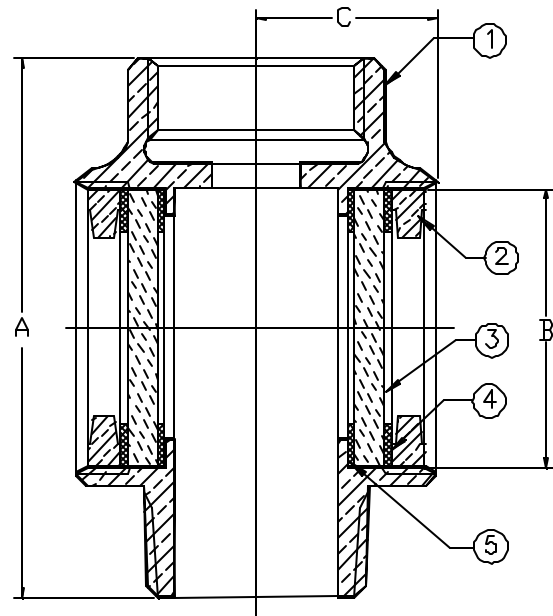
Male X Female Configuration

Built-In 1/2" Restricting Orifice

* Continuous use above 150° can cause embrittlement and reduce strength of Polycarbonate Window.

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Body	Bronze
2	Ring	Brass
3	Window	Polycarbonate
4	Gasket	Cork
5	Gasket	Buna



Size	1"	1 1/4"
Operating Pressure (PSI) ***	175	175
A	4.00	4.00
B	1.63	1.63
C	1.69	1.75
Ship Wgt. (lbs)	1.50	1.50
Qty. Unit Pack	4	4
Unit Per Case	40	40



UNITED BRASS WORKS, INC.

714 S. Main St., Randleman, NC 27317

Tel: 800-334-3035 Fax: 800-498-4696 www.ubw.com



Model 90 Wafer Check Valve



UL Listed • FM Approved*

**As antiwater hammer check valve for fire pump service only!*

250 WOG @ 180° Max

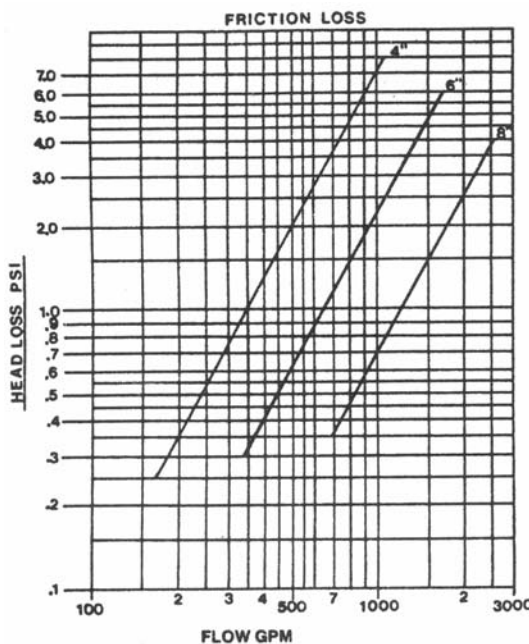
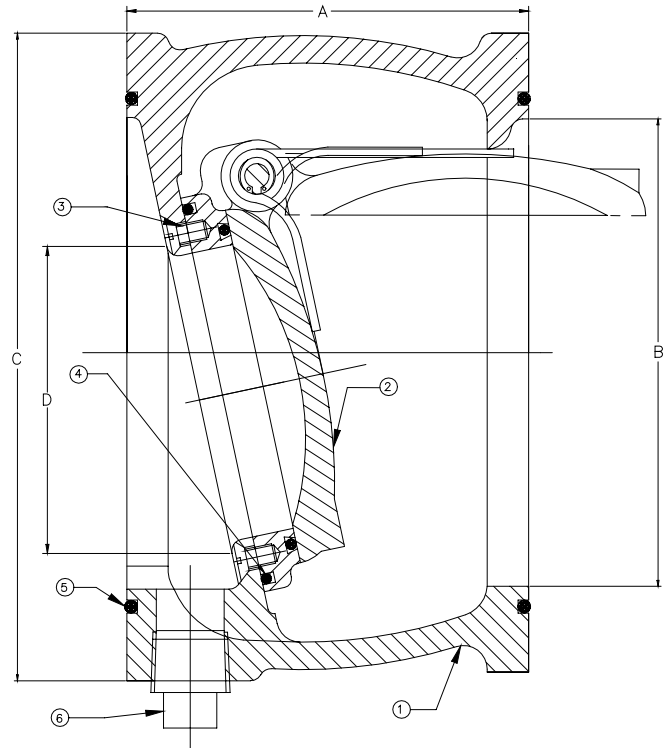
100% Pressure Tested

Approved by New York City Board of Standards & Appeals under Calendar No. 157-84-SA.

The 4" size is provided with ½" pipe plug in drain port as standard configuration.

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Body	Ductile Iron
2	Seat Ring Assembly	Bronze
3	Screw	Stainless Steel
4	Seat Ring O-Ring	Buna-N
5	Face O-Ring	Buna-N
6	Pipe Plug	Steel



Size	A	B	C	D	Ship Wt. (lbs)	Qty. Per Ctn.
4"	4.25	4.03	6.86	3.00	15.0	1
6"	3.75	6.06	8.50	4.50	19.0	1
8"	3.75	7.98	11.00	6.00	29.0	1



UNITED BRASS WORKS, INC.
 714 S. Main St., Randleman, NC 27317
 Tel: 800-334-3035 Fax: 800-498-4696 www.ubw.com



Model 90WBD Wafer Check Valve

UL **US** UL Listed • FM Approved*

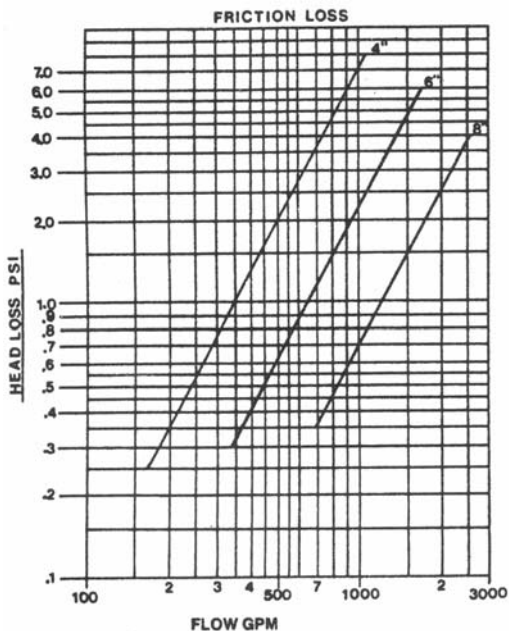
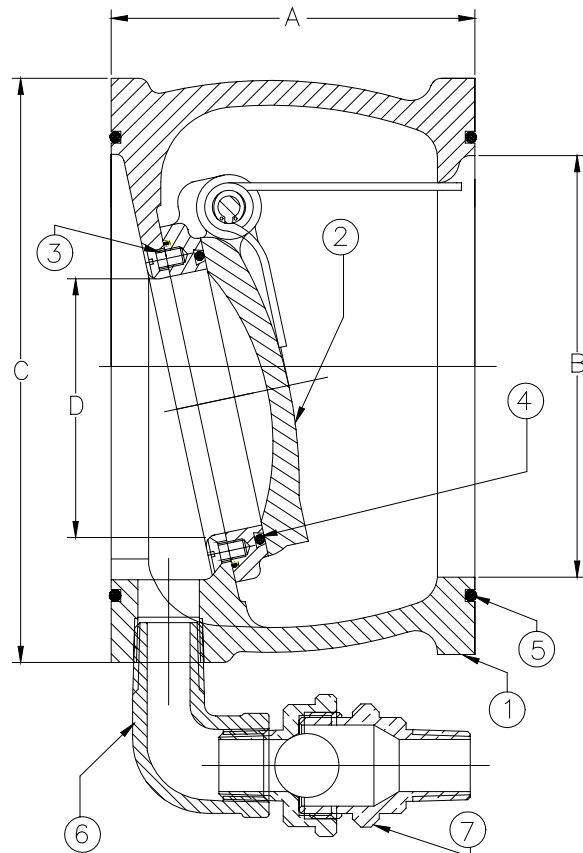
**As antiwater hammer check valve for fire pump service only!*

250 WOG @ 180 ° Max
100% Pressure Tested

*Approved by New York City Board of Standards & Appeals
 under Calendar No. 157-84-SA.*

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Body	Ductile Iron
2	Seat Ring Assembly	Bronze
3	Screw	Stainless Steel
4	Seat Ring O-Ring	Buna-N
5	Face O-Ring	Buna-N
6	Street Elbow	Galvanized Steel
7	Ball Drip	(See spec for 235 1/2")



Size	A	B	C	D	Ship Wt. (lbs)	Qty. Per Ctn.
4"	4.25	4.03	6.86	3.00	15.0	1



UNITED BRASS WORKS, INC.
 714 S. Main St., Randleman, NC 27317
 Tel: 800-334-3035 Fax: 800-498-4696 www.ubw.com



Model 68 Threaded Check Valve

Male NPT x Female NPT

UL Listed • FM Approved

**As antiwater hammer check valve for fire pump service only!*

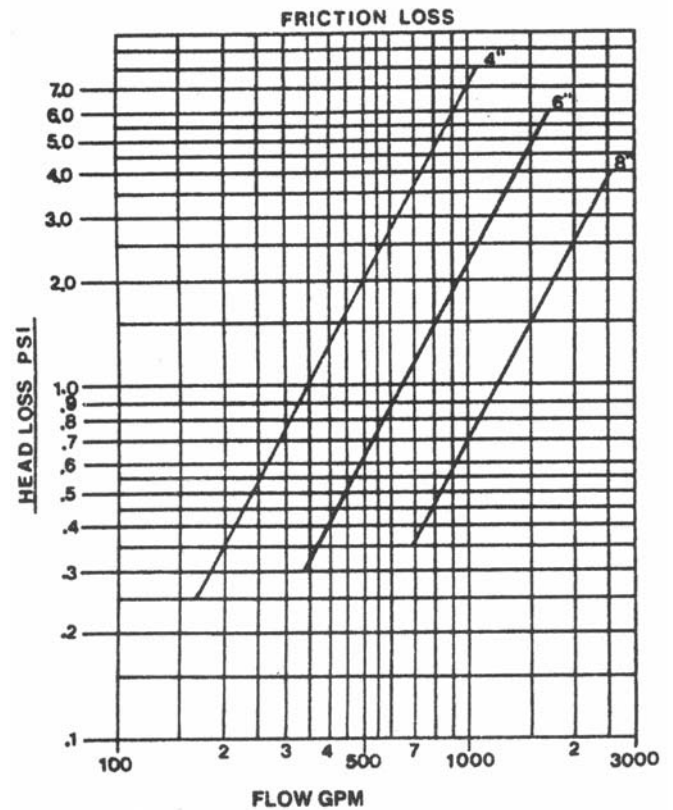
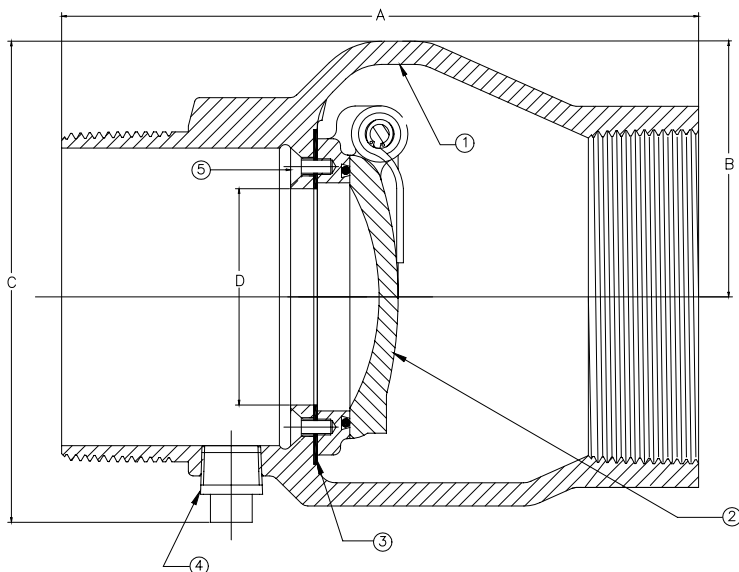
250 WOG @ 180 ° Max

100% Pressure Tested

Threaded Ends

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Body	Ductile Iron
2	Seat Ring Assembly	Bronze
3	Seat Ring Gasket	Buna
4	Pipe Plug	Steel
5	Screw	Stainless Steel



Size	A	B	C	D
4"	8.56	3.44	6.25	3.00

Ship Wgt. (lbs.)	Qty. Per Ctn.
17.0	1



UNITED BRASS WORKS, INC.
 714 S. Main St., Randleman, NC 27317
 Tel: 800-334-3035 Fax: 800-498-4696 www.ubw.com



Model 67 Grooved Check Valve



UL Listed • FM Approved*

**As antiwater hammer check valve for fire pump service only!*

250 WOG @ 180 ° Max

100% Pressure Tested

Grooved Ends

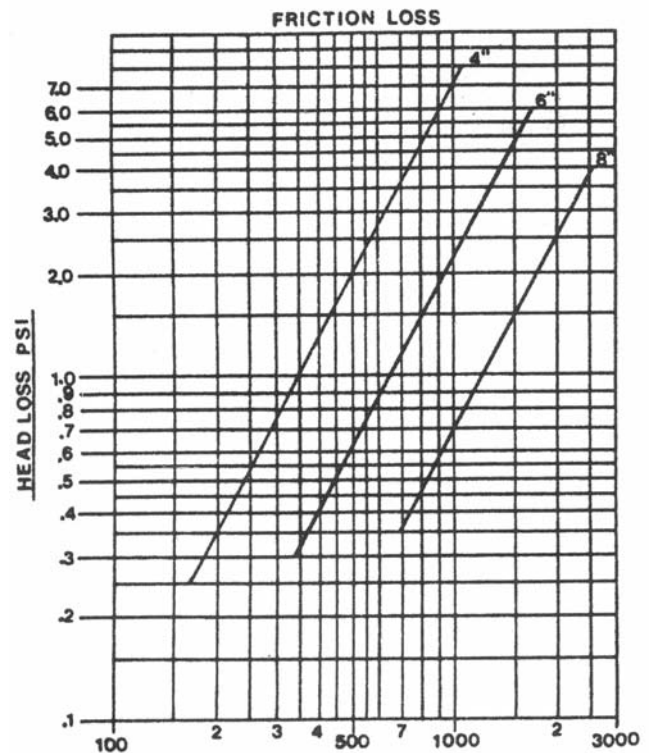
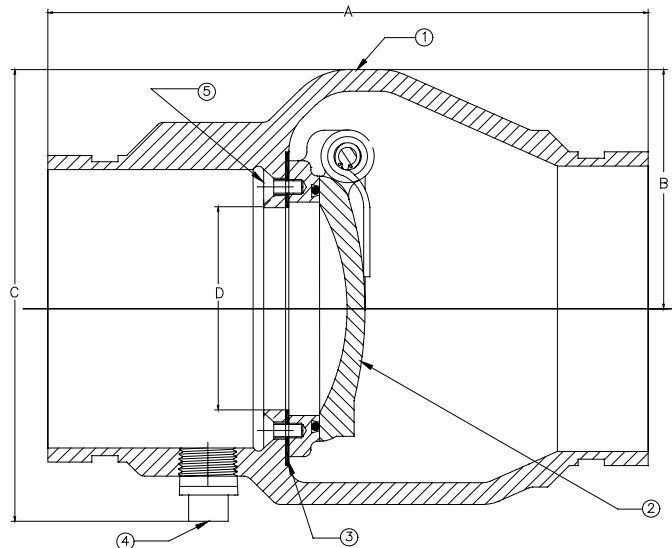


*4" size standard drilled, tapped
and fitted with 1/2" drain plug.*

(Will also allow installation of UBW #235 Ball Drip Valve)

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	Body	Ductile Iron
2	Seat Ring Assembly	Bronze
3	Seat Ring Gasket	Buna
4	Pipe Plug	Steel
5	Screw	Stainless Steel



Size	A	B	C	D
4"	8.56	3.44	6.25	3.00

Shit Wgt. (lbs.)	Qty. Per Ctn.
17.0	1

TERMS AND CONDITIONS OF SALE

1. United Brass Works, Inc.. agrees to sell products pursuant to its standard terms and conditions, unless it agrees to other terms in writing signed by both parties. The printed provisions on the reverse of any customer Purchase Order or on any other form supplied unilaterally by any customer shall be deemed rejected by United Brass Works, Inc. and shall be void and of no effect.
2. Where shown, valves will be shipped in multiples of packaged quantities. Order quantities will be changed to coincide with multiples of packaged quantities.
3. All prices are listed net, FOB, Randleman, North Carolina with freight allowed in Bronze and/or Iron Valves of 750 lbs. or more to all points in the U.S. (excluding Alaska and Hawaii) and to the nearest port of embarkation for foreign shipments (including Alaska and Hawaii), on all orders and back orders United Brass' responsibility terminates upon receipt of a bill of lading by the carrier.
4. Minimum merchandise invoice amount shall be \$25.00 per order. All orders received for merchandise that totals to less than \$25.00 shall be invoiced at the minimum charge.
5. Prices are subject to change without notice and orders will be invoiced at price in effect at time of shipment.
6. Terms are thirty days net, provided credit is approved. Where no credit information is available, shipments will be made COD or sight draft Charge accounts are extended to businesses, institutions, and organizations only, not to individuals. To qualify for open account privileges, an account must be rated satisfactory in Dun & Bradstreet or supply names of three commercial vendors who have extended credit. Allow four weeks to establish account when references other than a satisfactory Dun & Bradstreet rating are furnished.
7. No material shall be accepted for credit or replacement without prior return authorization being obtained and an RMA number being issued for the material. All materials must be returned prepaid.
8. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. During the first ninety (90) days after date of delivery of this product to the original purchaser. United Brass Works, Inc., will remedy any defect or malfunction found therein. However, the original purchaser shall be responsible for all labor costs. United Brass Works, Inc., extends this limited 90-Day Warranty to the original purchaser of this product only, and not to any subsequent transferees.

This warranty does not apply to conditions resulting from improper installation, inadequate maintenance, misuse, abuse, accident or alteration. This is the only warranty applicable to products manufactured by United Brass Works, Inc., and the Company neither assumes nor authorizes anyone to assume for

it any other obligation or liability in connection with such products.

ANY IMPLIED WARRANTIES OR MERCHANT-ABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED INDURATION TO THE PERIOD OF THE ABOVE 90-DAY WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

UNITED BRASS WORKS, INC., SHALL NOT BE LIABLE FOR COMMERCIAL CONSEQUENTIAL DAMAGES SUCH AS PROPERTY DAMAGES AND INCIDENTAL EXPENSES RESULTING FROM BREACH OF THIS WARRANTY. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

9. All United Brass merchandise may be returned for credit if unused and in new condition after receipt of prior authorization within 60 days of purchase. Merchandise will not be accepted for return beyond 60 days after purchase. (This does not apply to defective merchandise.) A 15% restocking charge will be levied unless United Brass Works was in error. **Please call for Return Material Authorization number before returning merchandise.**
10. There will be a 15% surcharge on all merchandise drop shipped unless the invoice amount exceeds \$50.00.
11. All claims for short shipments must be made within 10 days of receipt of material. Claims made after 10 days of receipt will not be honored.
12. United Brass Works, Inc., reserves the right to ship orders by means we deem most expedient and least expensive unless your order contains specific instructions and provided these instructions do not entail additional expense for the company.
13. All cancellations must be in writing and any expense incurred processing your order prior to the cancellation shall be invoiced to you.
14. All telephone and telegraph orders must be confirmed in writing.
15. All orders taken by salesmen are subject to approval by home office.
16. United Brass Works, Inc., reserves the right to make partial shipment if such is necessary, unless order has specific instruction to the contrary.
17. All delivery dates are approximate and United Brass Works, Inc., is not responsible for failure to meet dates specified.