

# Cast Iron Screwed Fittings

UL Listed at 175 psi water working pressure



Cast Iron Screwed Fitting dimensions conform to ANSI B16.4 Class 125. Fitting Material conforms to ASTM A126. Threading in compliance with ANSI B1.20.1 (B2.1)

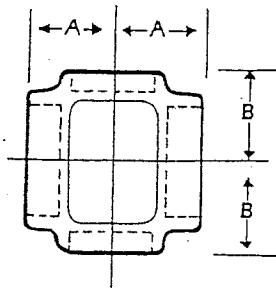
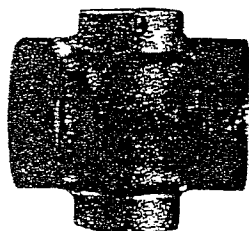


FIG 316 REDUCING CAST IRON CROSS

Nominal Size	Measurement		Weight Lbs.	Inner Box	Master Ctn
	A	B			
1 1/4" x 1 1/4" x 1 x 1	1.67"	1.58"	2.05	10	20
1 1/2 x 1 1/2 x 1 x 1	1.80"	1.65"	2.40	8	16
2 x 2 x 1 x 1	2.02"	1.73"	3.38	—	15

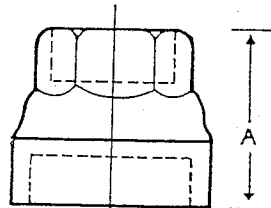
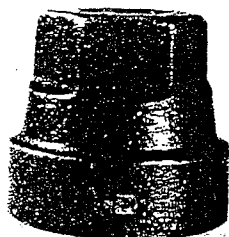


FIG 323 CAST IRON REDUCING COUPLING

Nominal Size	Measurement A	Weight Lbs.	Inner Box	Master Ctn
1" x 1/2"	1.75	0.65	60	120
1 x 3/4"	1.75	0.80	50	100

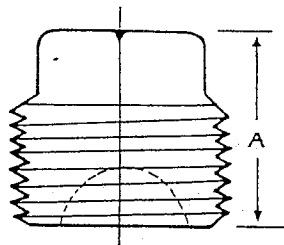
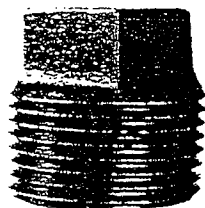


FIG 328 CAST IRON PLUG SQUARE HEAD

Nominal Size	Measurement A	Weight Lbs.	Inner Box	Master Ctn	Type
1/2"	0.94"	.10	120	720	Solid
3/4"	1.07	.17	80	480	Solid
1	1.25	.28	50	300	Hollow
1 1/4	1.36	.44	30	180	Hollow
1 1/2	1.45	.62	20	120	Hollow
2	1.56	.91	12	72	Hollow

**DUCTILIC, INC.**

1420 W. 240TH ST., UNIT B HARBOR CITY,  
CA. 90710 U. S. A.

TEL: (310)534-5478 FAX: (310)534-0438

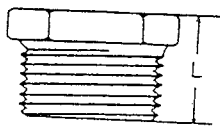
# Ductile Iron Screwed Fittings

UL listed at 300 psi working pressure



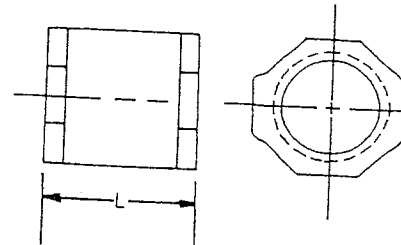
(M) Ductile Iron Screwed Fitting Dimensions conform to ANSI B16.3;  
Material conforms to ASTM A536; Threading is to ANSI B1.20.1 (B2.1)

FIG 227 HEX. BUSHING (HB)



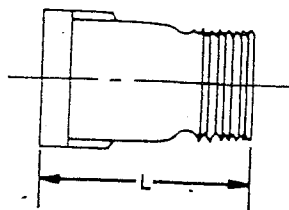
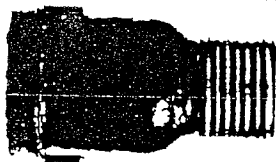
Size	Measurement L	Weight Lbs	Inner Box	Master Ctn
1 x 1/2"	1.02	.21	150	300
1 x 3/4"	1.02	.17	150	300
1 1/4" x 1"	1.15	.32	80	160
1 1/2" x 1"	1.25	.53	50	120
1 1/2" x 1 1/4"	1.25	.38	50	120
2" x 1"	1.35	.75	40	100
2" x 1 1/2"	1.35	.64	40	80

FIG 219 STRAIGHT COUPLING (HC)



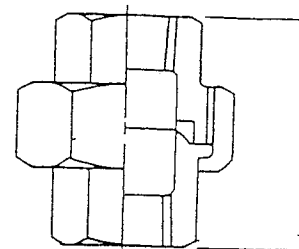
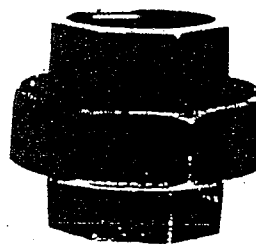
Size	Measurement L	Weight Lbs	Inner Box	Master Ctn
1/2"	1.34	.18	200	400
3/4"	1.52	.26	100	200
1"	1.67	.40	75	150
1 1/4"	1.93	.57	40	80
1 1/2"	2.15	.75	30	60
2"	2.53	1.15	20	40
2 1/2"	2.88	2.51	—	24

FIG 236 EXTENSION PIECES (X)



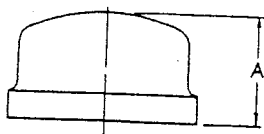
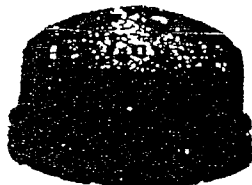
Size	Measurement L	Weight Lbs	Inner Box	Master Ctn
1/2" x 1 1/2" L	1.50	.20	200	400
1/2" x 2" L	2.00	.26	160	320
3/4" x 1 1/2" L	1.75	.30	100	200

FIG 231 UNIONS BRASS TO IRON SEAT (BCU)



Size	Measurement L	Weight Lbs	Inner Box	Master Ctn
1/2"	1.88	.48	55	110
3/4"	2.00	.72	40	80
1"	2.25	1.10	20	40
1 1/4"	2.50	1.54	18	36
1 1/2"	2.75	1.98	18	36
2"	3.00	3.10	—	16

FIG 218 CAP (BCA)



Size	Measurement A	Weight Lbs	Inner Box	Master Ctn
1"	1.16	.32	125	250
1 1/4"	1.28	.43	60	120
1 1/2"	1.33	.60	50	100
2"	1.45	.91	—	80
2 1/2"	1.70	2.00	—	50

DUCTILIC, INC.  
1420 W. 240th St. Unit B  
Harbor City, CA 90710  
Tel: 310-534-5478

# Cast Iron Screwed Fittings

UL Listed at 175 psi water working pressure



Cast Iron Screwed Fitting dimensions conform to ANSI B16.4 Class 125. Fitting Material conforms to ASTM A126. Threading in compliance with ANSI B1.20.1 (B2.1)

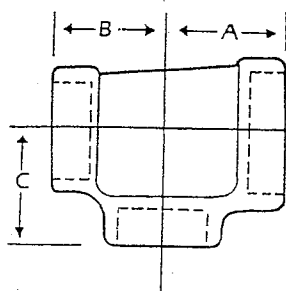
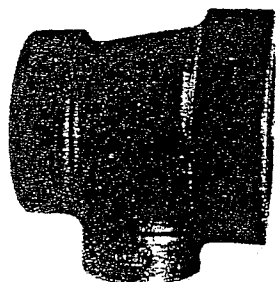


FIG 312 CAST IRON TEE REDUCING

Nominal Size	Measurement			Weight Lbs.	Inner Box	Master Ctn
	A	B	C			
1" x 1" x 1/2"	1.26"	1.26"	1.36"	1.02	30	60
1" x 1" x 3/4"	1.37	1.37	1.45	1.14	25	50
1" x 1/2" x 1"	1.50	1.36	1.50	1.08	30	60
1" x 3/4" x 1"	1.50	1.45	1.50	1.18	25	50
1 1/4" x 1" x 1/2"	1.34	1.26	1.53	1.25	20	40
1 1/4" x 1" x 3/4"	1.45	1.37	1.62	1.38	20	40
1 1/4" x 1" x 1"	1.58	1.50	1.57	1.52	18	36
1 1/4" x 1" x 1 1/4"	1.75	1.67	1.75	1.80	15	30
1 1/4" x 1 1/4" x 1/2"	1.34	1.34	1.53	1.42	18	36
1 1/4" x 1 1/4" x 3/4"	1.45	1.45	1.62	1.56	18	36
1 1/4" x 1 1/4" x 1"	1.58	1.58	1.67	1.70	15	30
1 1/2" x 1" x 1/2"	1.41	1.34	1.66	1.41	15	30
1 1/2" x 1" x 3/4"	1.52	1.37	1.75	1.65	15	30
1 1/2" x 1" x 1"	1.65	1.50	1.80	1.65	15	30
1 1/2" x 1" x 1 1/4"	1.82	1.67	1.88	2.00	15	30
1 1/2" x 1" x 1 1/2"	1.94	1.80	1.94	2.30	10	20
1 1/2" x 1 1/4" x 1/2"	1.41	1.34	1.66	1.71	15	30
1 1/2" x 1 1/4" x 3/4"	1.52	1.45	1.75	1.78	15	30
1 1/2" x 1 1/4" x 1"	1.65	1.58	1.80	1.94	12	24
1 1/2" x 1 1/2" x 1/2"	1.41	1.41	1.66	1.65	15	30
1 1/2" x 1 1/2" x 3/4"	1.52	1.52	1.75	1.90	15	30
1 1/2" x 1 1/2" x 1"	1.65	1.65	1.80	2.10	12	24
1 1/2" x 1 1/2" x 1 1/4"	1.82	1.82	1.88	2.40	10	20
2" x 2" x 1/2"	1.49	1.49	1.88	2.80	—	24
2" x 2" x 3/4"	1.60	1.60	1.97	2.89	—	24
2" x 2" x 1"	1.73	1.73	2.02	3.15	—	18
2" x 2" x 1 1/4"	1.90	1.90	2.10	3.41	—	15
2" x 2" x 1 1/2"	2.02	2.02	2.16	3.72	—	15
2" x 1 1/2" x 1/2"	1.49	1.41	1.88	2.24	—	24
2" x 1 1/2" x 3/4"	1.60	1.52	1.97	2.40	—	24
2" x 1 1/2" x 1"	1.73	1.65	2.02	2.54	—	18
2" x 1 1/2" x 1 1/4"	1.90	1.82	2.10	2.85	—	15
2" x 1 1/2" x 1 1/2"	2.02	1.94	2.16	3.25	—	15
2" x 1 1/2" x 2"	2.25	2.16	2.25	3.75	—	15
2" x 1 1/4" x 2"	2.25	2.10	2.25	3.63	—	18
2" x 1" x 2"	2.25	2.02	2.25	3.40	—	15
2 1/2" x 2" x 3/4"	1.74	1.60	2.32	3.50	—	12
1" x 1" x 1 1/4"	1.67	1.67	1.58	1.52	15	30
1" x 1" x 1 1/2"	1.80	1.80	1.65	1.73	12	24
1 1/4" x 1" x 1 1/2"	1.88	1.80	1.82	2.05	12	24
1 1/4" x 1 1/4" x 1 1/2"	1.88	1.88	1.82	2.21	12	24
1 1/2" x 1 1/4" x 2"	2.16	2.10	2.02	2.80	—	18
1 1/2" x 1 1/2" x 2"	2.16	2.16	2.02	3.28	—	18
2" x 2" x 2 1/2"	2.60	2.60	2.39	5.10	—	10

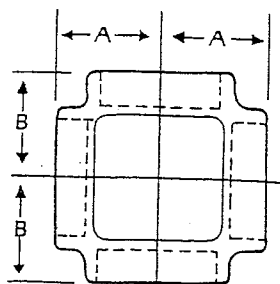
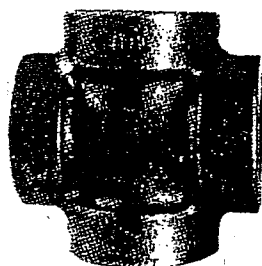


FIG 315 CAST IRON CROSS

Nominal Size	Measurement		Weight Lbs.	Inner Box	Master Ctn
	A	B			
1"	1.50"	1.50"	1.54	15	30
1 1/4"	1.75	1.75	2.40	8	16
1 1/2"	1.94	1.94	2.70	6	12
2"	2.25	2.25	4.20	—	10

# Cast Iron Screwed Fittings

UL Listed at 175 psi water working pressure



Cast Iron Screwed Fitting dimensions conform to ANSI B16.4 Class 125. Fitting Material conforms to ASTM A126. Threading in compliance with ANSI B1.20.1 (B2.1)

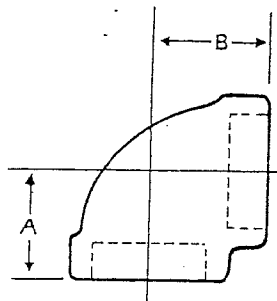
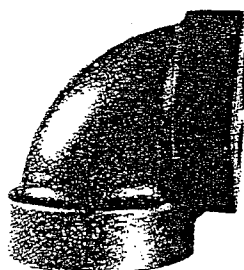


FIG 302 CAST IRON ELBOW 90°

Nominal Size	Measurement		Weight Lbs.	Inner Box	Master Ctn
	A	B			
1"	1.50"	1.50"	.92	30	60
1 1/4"	1.75	1.75	1.45	20	40
1 1/2"	1.94	1.94	1.98	12	24
2"	2.25	2.25	3.20	—	18
2 1/2"	2.70	2.70	5.00	—	12

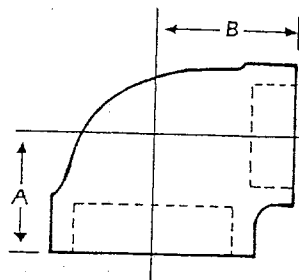
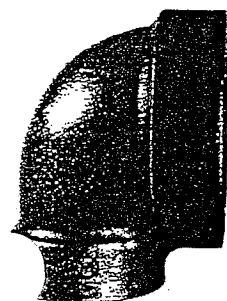


FIG 303 CAST IRON ELBOW 90° REDUCING

Nominal Size	Measurement		Weight Lbs.	Inner Box	Master Ctn
	A	B			
1" x 1/2"	1.26"	1.36"	.67	50	100
1" x 3/4"	1.37	1.45	.87	40	80
1 1/4" x 1/2"	1.34	1.53	.96	30	60
1 1/4" x 3/4"	1.45	1.62	1.13	25	50
1 1/4" x 1"	1.58	1.67	1.16	20	40
1 1/2" x 1"	1.65	1.80	1.51	18	36
2" x 3/4"	1.60	1.97	2.16	—	30
2" x 1 1/2"	2.02	2.16	2.60	—	24

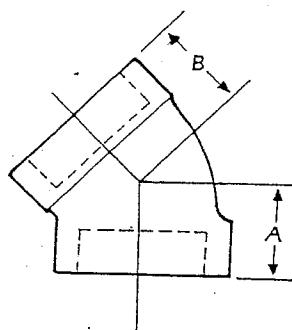
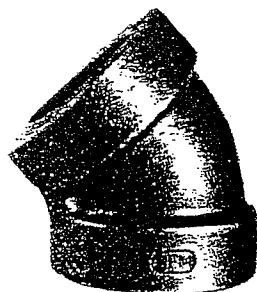


FIG 304 CAST IRON ELBOW 45°

Nominal Size	Measurement		Weight Lbs.	Inner Box	Master Ctn
	A	B			
1"	1.12"	1.12"	.86	36	72
1 1/4"	1.29	1.29	1.40	20	40
1 1/2"	1.43	1.43	1.80	15	30
2"	1.68	1.68	2.90	—	20

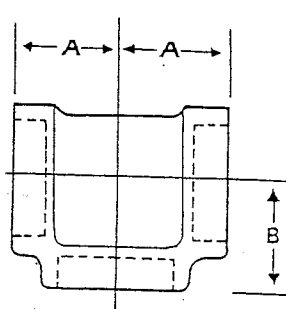
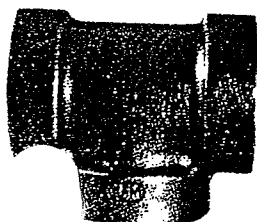


FIG 311 CAST IRON TEE STRAIGHT

Nominal Size	Measurement		Weight Lbs.	Inner Box	Master Ctn
	A	B			
1"	1.50"	1.50"	1.30	20	40
1 1/4"	1.75	1.75	2.06	12	24
1 1/2"	1.94	1.94	2.60	10	20
2"	2.25	2.25	4.20	—	15

# BRONZE SWING CHECK VALVES

## Working pressures:

W.O.G. Non-Shock 200 lbs.  
Saturated Steam 125 lbs.

- Sizes: 1/2" through 2"
- Renewable Composition Soft Disc
- Regrinding Type

HYDROSTATIC TEST PRESSURE: Seat — 200 psi., Shell — 300 psi.

Part No.	Description	Material	A.S.T.M. Spec.
1	Cap	Bronze	B-62
2	Body	Bronze	B-62
3	Hinge Pin	Bronze	B-140 Alloy C31400
4	Hinge	Bronze	B-62
5	Disc Holder Nut	Bronze	B-97 Alloy C65500
6	Disc Holder	Bronze	B-62
7	Disc	Buna N	
8	Disc Nut	Bronze	B-16 or B-97 C65500
9	Side Plug (Not shown)	Bronze	B-140 Alloy C32000
10	Seat Disc Washer		B-124 Alloy C65500



FIG. 440-SD  
Swing Check Valve

SIZE	A	B
1/2	27/16	1 11/16
3/4	2 15/16	1 7/8
1	3 9/16	2 5/16
1 1/4	4 3/16	2 11/16
1 1/2	4 1/2	2 15/16
2	5 1/4	3 13/16

## WEIGHTS—POUNDS

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
WT.—LBS.	.6	1.0	1.5	2.2	2.9	5.0
CARTON QUANTITIES	50	50	30	20	10	10

## BODY MARKING

ONE SIDE

125

SWP

200

WOG

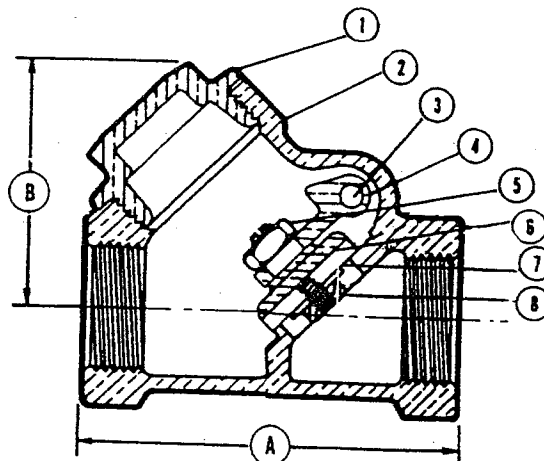
KENNEDY

OTHER SIDE

SIZE

ARROW INDICATING

FLOW DIRECTION



FEDERAL SPECIFICATION: WW-V-51d Class A, Type IV & MSS SP-80

# BRONZE ANGLE VALVES

## Working pressures:

W.O.G. Non-Shock 175 lbs.

Saturated Steam 125 lbs.

- Sizes to 1/2" through 2"
- Rising Stem
- Screwed Bonnet
- Renewable Composition Soft Disc
- UL Listed (1 1/4"-2" only)

HYDROSTATIC TEST PRESSURE: Seat — 200 psi., Shell — 300 psi.

Part No.	Description	Material	A.S.T.M. Spec.
1	Wheel Nut	Bronze	B-16
2	Ident. Plate	Aluminum	
3	Handwheel	Aluminum	B-85 Alloy A03800
4	Stem	Sil. Bronze	B-584 Alloy C87500
5	Packing Gland	Bronze	B-62
6	Packing Nut	Bronze	B-62
7	Packing	Non-Asbestos Fibers	
8	Bonnet	Bronze	B-62
9	Disc Holder Nut	Bronze	B-62
10	Disc Holder	Bronze	B-62
11	Seat Disc	Buna N	
12	Disc Nut	Bronze	B-62
13	Body	Bronze	B-62

SIZE	B	H	J
1/2	3 1/2	1 5/16	1 5/16
3/4	4 15/16	1 9/16	1 9/16
1	5 11/16	1 7/8	1 7/8
1 1/4	6 1/8	2 3/16	2 3/16
1 1/2	7 3/16	2 3/8	2 3/8
2	7 1/4	2 1/4	2 1/4

\*Stem and Disc Holder are integral.  
No Packing gland, packing only in this size.

## WEIGHT—POUNDS

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
WT.-LBS.	1.0	1.5	2.6	3.4	5.2	8.2
CARTON QUANTITIES	100	100	50	20	10	10

## BODY MARKINGS

ONE SIDE

125

SWP

175

WOG

KENNEDY

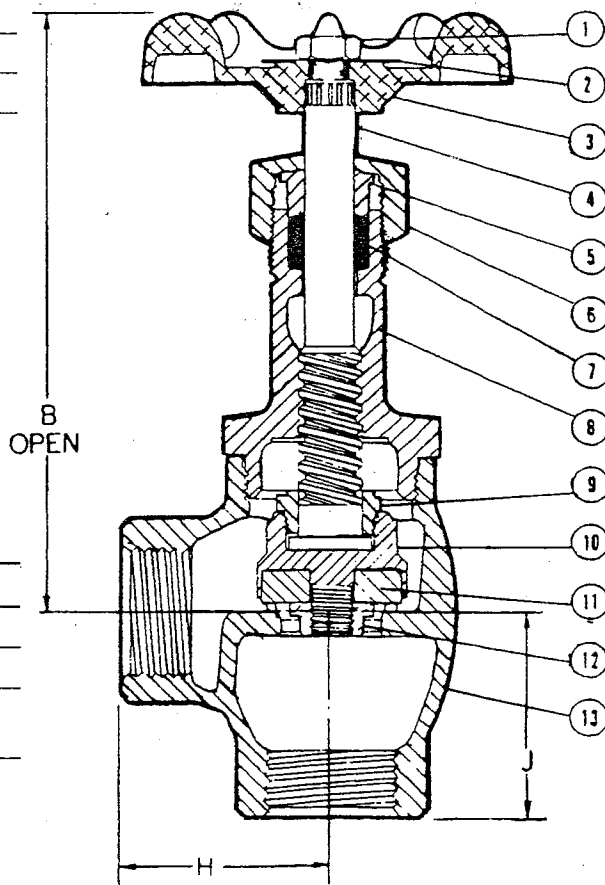
OTHER SIDE

SIZE

YEAR



FIG. 98-SD  
Angle



# BRONZE GLOBE VALVES

## Working pressures:

2"-, W.O.G. Non-Shock 175 lbs.

1 1/4"-2" W.O.G. Non-Shock 200 lbs.

Saturated Steam 125 lbs.

• Sizes to 1/2" through 2"

• Rising Stem

• Screwed Bonnet

• Renewable Composition Soft Disc

HYDROSTATIC TEST PRESSURE: Seat — 200 psi., Shell — 300 psi.

Part No.	Description	Material	A.S.T.M. Spec.
1	Wheel Nut	Bronze	B-16
2	Ident. Plate	Aluminum	
3	Handwheel	Aluminum	B-85 Alloy A03800
4	Stem	Sil. Bronze	B-371-62 Alloy C69400
5	Packing Gland	Bronze	B-62
6	Packing Nut	Bronze	B-62
7	Packing	Non-Asbestos Fibers	
8	Bonnet	Bronze	B-62
9	Disc Holder Nut	Bronze	B-140 or B-62
10	Disc Holder	Bronze	B-62
	Seat Disc	Buna N	
	Disc Nut	Bronze	B-62
13	Body	Bronze	B-62

SIZE	A	B
*1/2	2 <sup>9</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>8</sub>
3/4	3 <sup>1</sup> / <sub>16</sub>	4 <sup>3</sup> / <sub>4</sub>
1	3 <sup>11</sup> / <sub>16</sub>	5 <sup>11</sup> / <sub>16</sub>
1 1/4	4 <sup>5</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>8</sub>
1 1/2	4 <sup>11</sup> / <sub>16</sub>	7 <sup>3</sup> / <sub>16</sub>
2	5 <sup>5</sup> / <sub>8</sub>	7 <sup>15</sup> / <sub>16</sub>

\*Stem and Disc Holder are integral.

No Packing gland, packing only in this size.

## WEIGHT—POUNDS

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
WT.—LBS.	1.0	1.5	2.6	3.4	5.2	8.2
CARTON QUANTITIES	100	100	50	10	10	6

## BODY MARKINGS

ONE SIDE

125

SWP

200

WOG

KENNEDY

OTHER SIDE

SIZE

YEAR

FEDERAL SPECIFICATION: WW-V-51d Class A, Type I

Kennedy Valve/Bronze Gate Valves

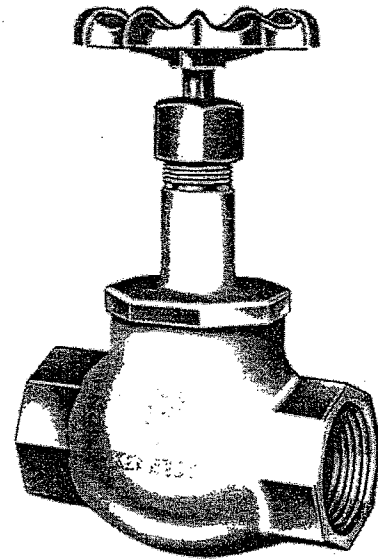
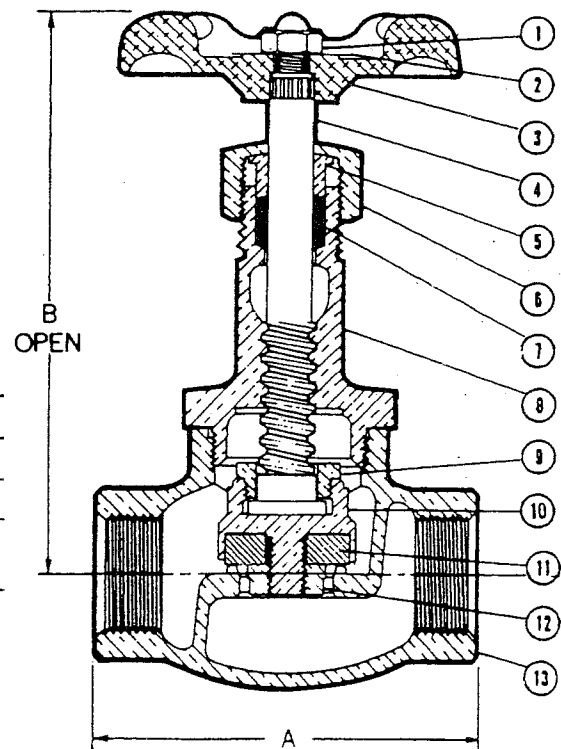


FIG. 97-SD  
Globe

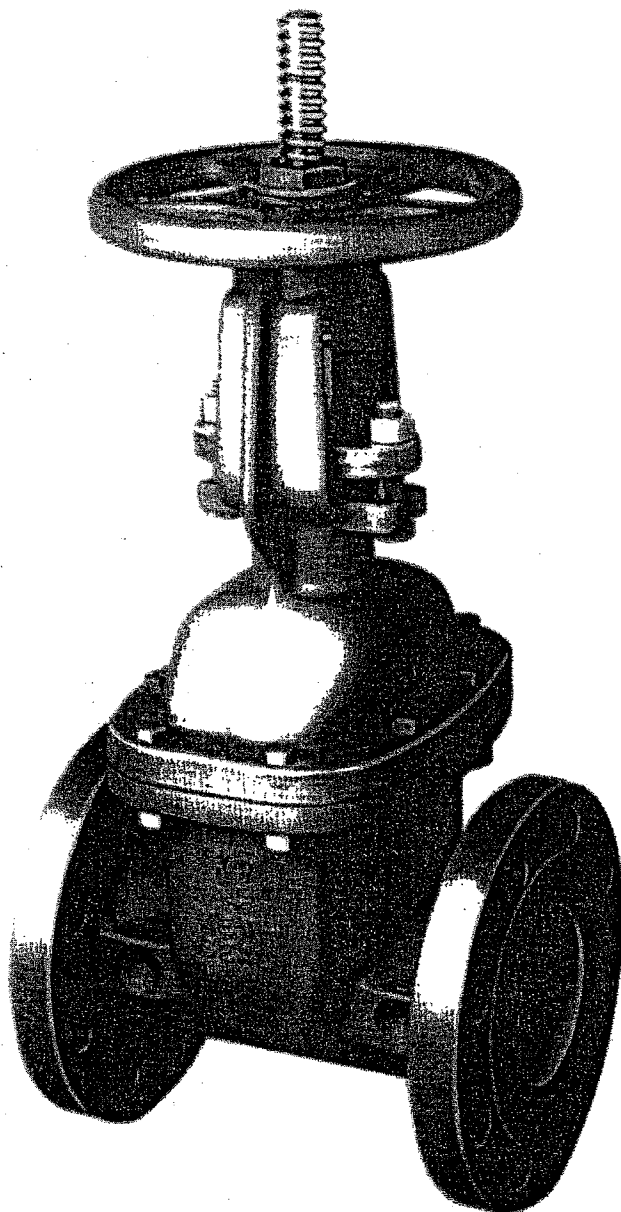


# HI-RISER IRON GATE VALVE FIG. 3068

## UL APPROVED

### FEATURES

- Heavier Flange (250 lb. ANSI Raised Face)
- 300 psi Working Pressure
- 600 psi Test Pressure
- Designed for Higher Pressures Associated with High-Rise Buildings
  - Available in sizes 3, 4, 6, 8
  - Bubble Tight Shut Off-Zero Leakage
- Full Size Waterway for Unobstructed Flow
- Listed by Underwriters' of Canada



### APPLICATIONS

Any high-pressure service where better than normal performance is desired.

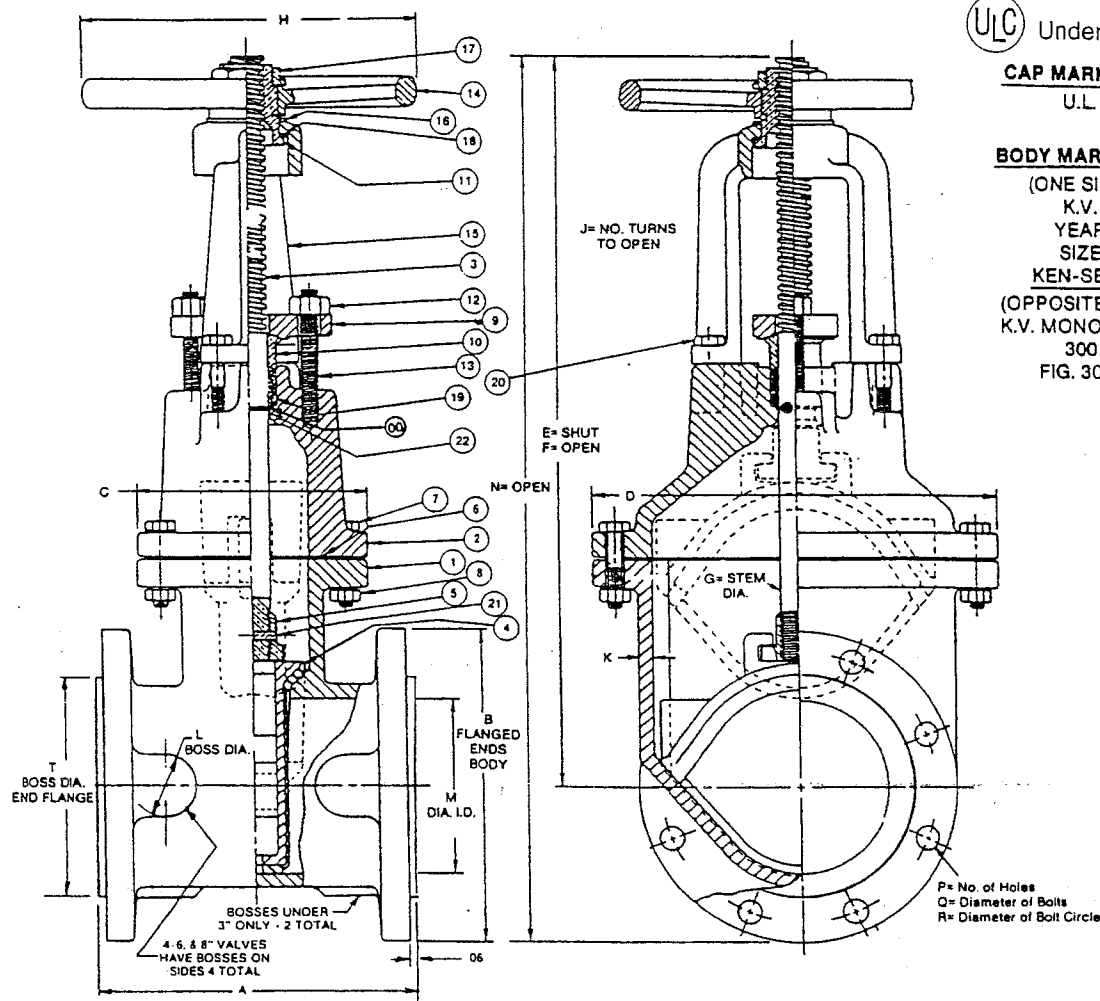
### TESTING:

The Kennedy Hi-Riser has been cycle tested thousands of times in excess of the required standard and has still maintained a bubble tight seal.





# Technical/Dimensional Data - Figure 3068 - UL Listed Hi-Rise Valve



ULC Underwriters' of Canada

## CAP MARKINGS

U.L.

## BODY MARKINGS

(ONE SIDE)

K.V.

YEAR

SIZE

KEN-SEAL

(OPPOSITE SIDE)

K.V. MONOGRAM

300

FIG. 3068

SIZE	3"	4"	6"	8"
A	8.62	11.75	13.62	14.12
B	8.25	10.00	12.50	15.00
C	7.44	7.88	8.31	9.56
D	10.00	11.00	13.81	16.31
E	17.50	18.88	25.56	32.66
F	21.00	23.44	32.12	41.25
G	1.12	1.12	1.25	1.38
H	10.00	10.00	12.00	14.00
J	11	14	33	43
K	.41	.41	.47	.53
L	1.75	1.75	2.25	2.50
M	3	4	6	8
N	25.12	28.44	38.38	48.75
P	8	8	12	12
Q	**	.88	.88	1.00
R	6.62	7.88	10.62	13.00
	6	8	10	12
	5.68	6.94	9.68	11.94
J.L.	109	133	245	379

\*\*3" size has 2 3/4" UNC tapped holes

ITEM	DESCRIPTION	QTY.	MATERIAL	A.S.T.M. SPEC.
00	Magnet	1	Ceramic	
1	Body	1	Ductile Iron	A-536 Grade-80-55-06
2	Cap	1	Cast Iron	A-126 Grade-B
3	Stem	1	Brass Rod	8-16
4	Encapsulated Disc	1	Cast Iron-Coated w/Buna-n	
5	Stem Head	1	Mang. Bronze	B584 C864
6	Seal-Cap to Body	1	Buna-n	D-735
7	Hex Head Bolt	S	R.P. Steel	A-307 Grade-B
8	Hex Nut	S	R.P. Steel	A-307 Grade-B
9	Gland Follower	1	Cast Iron	A-126 Grade-B
10	Gland	1	Bronze	B-62
11	Yoke Nut	1	Bronze	B-62
12	Hex Nut	2	Brass	B-16
13	Stud	2	R.P. Steel	A-307 Grade-B
14	Hand Wheel	1	Cast Iron	A-126 Grade-B
15	Yoke*	1	Cast Iron	A-126 Grade-B
16	Washer	1	Bronze	B-62
17	Hand Wheel Lock Nut	1	Bronze	B-62
18	Thrust Washer	1	Nylatron	
19	Packing	4	Graphite	
20	Hex Head Bolt (6-12" only)	4	R.P. Steel	A-307 Grade-B
21	Locking Pin	1	Brass Rod	B-16
22	Cap Bushing***	1	Bronze	B-135 Alloy-A

\*Only the 3" and 4" size, the cap and yoke are cast integral.

\*\*\*Part is only available as part of an assembly with cap.