

Kennedy Iron Swing Check Valves UL/FM

*Underwriters' / Factory Mutual
Underwriters' Canada*

Kennedy Swing Check Valves are for use where backflow is to be prevented. The disc is designed with ample tolerances to compensate for seat ring wear. The spinning action of the disc creates a regrinding effect that cleans the seat ring of foreign particles. The disc is also self-adjusting. All moving parts of these valves are bronze to bronze, minimizing wear and corrosion problems.

These valves are listed by Underwriters' Laboratories and approved by Factory Mutual Fire Research Corp. and have body markings "UL" and "◀ FM ▶" signifying the listing and approval.

Working Pressure: Cold Water, Non-Shock, 175 Lbs. (2½"-12")

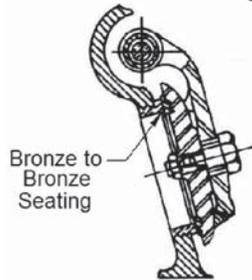
Hydrostatic Test Pressure: Seat and shell, 350 PSI. (2½"-12")

Construction: Bronze Mounted with Bronze Disc or Resilient Disc

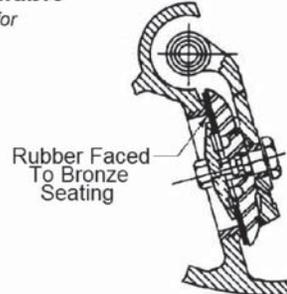


Two Styles Available

See Next Page for
Further Detail



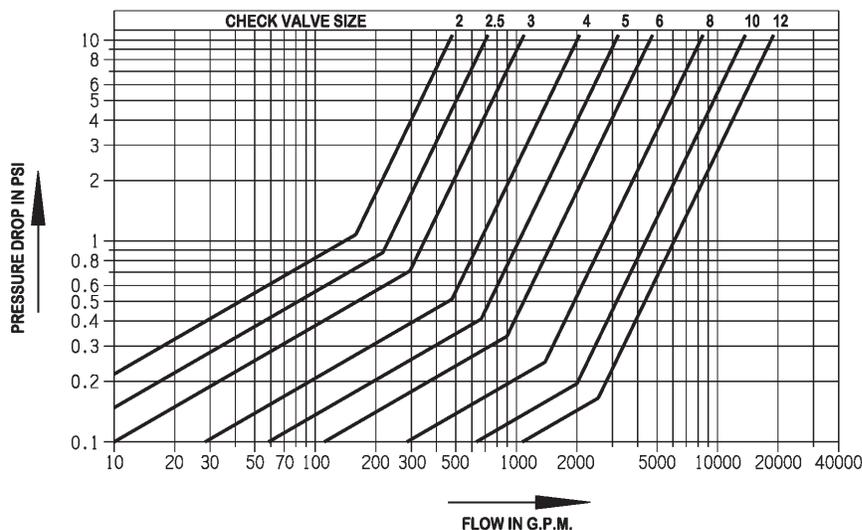
**FIG. 1126
BRONZE DISC
FLANGED ENDS
SIZE: 2½" THRU 12"**



**FIG. 1126A
RESILIENT DISC
FLANGED ENDS
SIZE: 2½" THRU 12"**

FLOW VERSUS PRESSURE DROP

Data Representative of Kennedy Figure 1126 and 1126A Swing Check Valves



Iron Swing Check Valves

Underwriters'/Factory Mutual/ULC
APPROVED BY N.Y.C. BOARD OF STDS.

- Bronze Mounted with:
- Rubber Faced Disc
–or–
- Bronze Faced Disc

Working Pressures: 2 1/2"-12" Cold Water, Non-Shock, 175 II

Approvals: UL/FM/ULC - 2 1/2"-12" Fig. 1126 and 1126A

Factory Test Pressure: Seat and Shell 350 PSI

End Flange Drilling: 125 LB American Standard

Work with Page 15-9

Common Parts: Use with all Figures

| Part No. | Description | Material | A.S.T.M. Spec. |
|----------|----------------------------|------------------------------|----------------|
| 1 | Cap Bolts | Stainless Steel 18-8 | F593C |
| 2 | Cap | Cast Iron | A-126 Class B |
| 3 | "O" Ring | Buna "N" | |
| 5 | Body | Cast Iron | A-126 Class B |
| 6 | Hinge Pin | Stainless Steel | A-276 (304) |
| 7 | Hinge Bushings | Sint. Bronze | + 4" Thru 12" |
| 12 | Seat Ring | Bronze | B-62 |
| 13 | Drain Plug | Steel Socket 3/4" Pipe Plug@ | A-126 Class B |
| 28 | Side Plugs with O-Ring 28A | Bronze Rod | B-16 |
| 28A | O-Ring for Side Plug 28 | Buna "N" | |

+Cannot be ordered separately, only with hinge.
@9/16 Allen Wrench Req'd for Removal/Installation

Fig. 1126 Bronze Disc Assembly Sizes 2 1/2" and 3"

| | | | |
|----|----------|--------------|-----------------|
| 8 | Hinge | Mang. Bronze | B584 Alloy C864 |
| 10 | Disc Nut | Bronze Rod | B-16 |
| 11 | Disc | Bronze | B-62 |

Fig. 1126 Bronze Faced Disc Assembly Sizes 4" through 14"

| | | | |
|----|-----------|----------------|-------|
| 14 | "O" Rings | Buna "N" | |
| 15 | Disc Bolt | Bronze Rod | B-16 |
| 17 | Hinge | Malleable Iron | A-47 |
| 18 | Disc | Malleable Iron | A-47 |
| 19 | Disc Ring | Bronze | B-62* |

*Cannot be ordered separately.

Fig. 1126A Rubber Faced Disc Sizes 2 1/2" and 3"

| | | | |
|----|--------------------|-----------------|------|
| 29 | Disc Holder | Bronze | B-62 |
| 21 | Disc | 4,6 EPDM Rubber | |
| 30 | Disc Plate | Bronze Rod | B-16 |
| 24 | Disc Nut (2 Req'd) | Bronze Rod | B-16 |
| 27 | Disc Bolt Bushing | Sint. Bronze | + |

+Cannot be ordered separately.

Fig. 1126A Rubber Faced Disc Sizes 4" through 12"

| | | | |
|----|--------------------|------------------------------|------|
| 20 | Disc Holder | Malleable Iron | A-47 |
| 21 | Disc | 8-12 Nitrile (Buna N) Rubber | |
| 22 | Disc Plate | Bronze | B-62 |
| 23 | Disc Bolt | Bronze Rod | B-16 |
| 24 | Disc Nut (1 Req'd) | Bronze Rod | B-16 |
| 25 | "O" Rings | Buna "N" | |
| 27 | Disc Bolt Bushing | Sint. Bronze | + |

+Cannot be ordered separately, only with hinge.

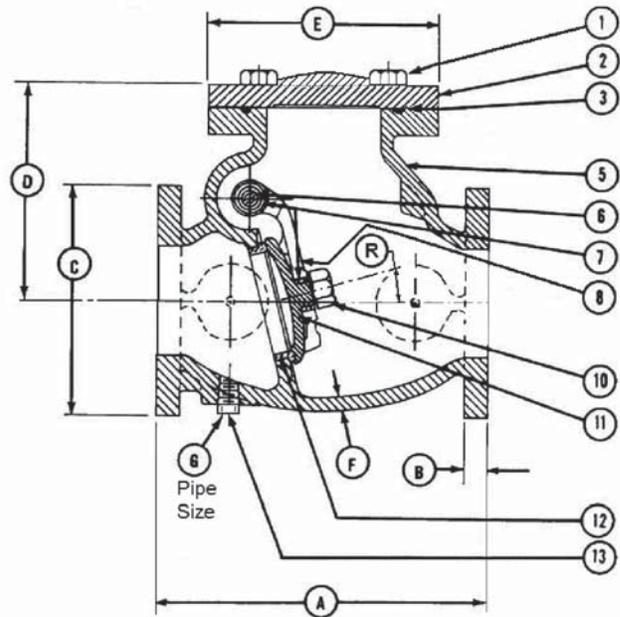
Common Reference Dimensions

| SIZE | A | B | C | D | E | F | G | R |
|-------|--------|--------|--------|---------|--------|--------|-----|------|
| 2 1/2 | 10 | 1 1/16 | 7 | 6 7/16 | 7 | 1 3/32 | 3/4 | 10.0 |
| 3 | 10 1/4 | 3/4 | 7 1/2 | 6 9/8 | 7 1/2 | 7/16 | 3/4 | 8.0 |
| 4 | 13 | 1 9/16 | 9 | 8 7/16 | 9 | 1/2 | 3/4 | 8.0 |
| 6 | 16 | 1 | 11 | 10 1/8 | 11 | 5/8 | 3/4 | 12.0 |
| 8 | 19 | 1 1/8 | 13 1/2 | 11 7/8 | 13 1/2 | 3/4 | 3/4 | 15.0 |
| 10 | 22 | 1 9/16 | 16 | 13 9/16 | 16 3/4 | 1 1/16 | 3/4 | 15.0 |
| 12 | 26 | 1 1/4 | 19 | 15 9/16 | 19 | 7/8 | 3/4 | 15.0 |

WEIGHT - POUNDS

| SIZE | 2 1/2" | 3" | 4" | 5" | 6" | 8" | 10" | 12" |
|-----------|--------|----|-----|-----|-----|-----|-----|-----|
| FIG. 126 | 52 | 62 | 114 | 145 | 193 | 319 | 475 | 680 |
| FIG. 126A | 53 | 62 | 117 | 145 | 196 | 322 | 480 | 685 |

FIG. 1126 - FIG. 1126A
Flanged Ends



Common Parts, Dimensions, and Fig. 1126 2.5" & 3" Internal Components

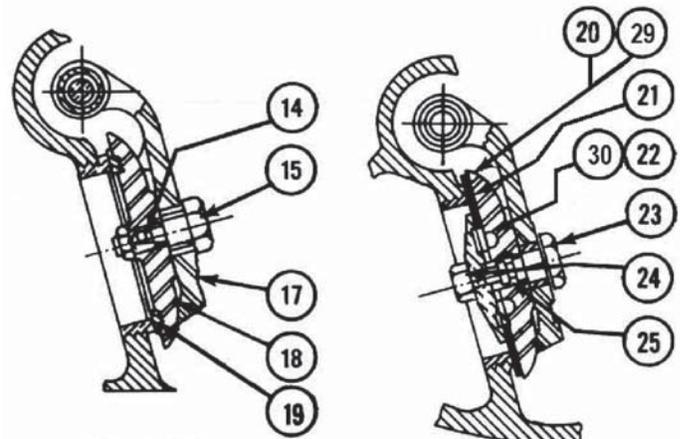


FIG. 1126
Internal Components
Bronze Faced Disc
4" through 12"

FIG. 1126A
Internal Components
Rubber Faced Disc

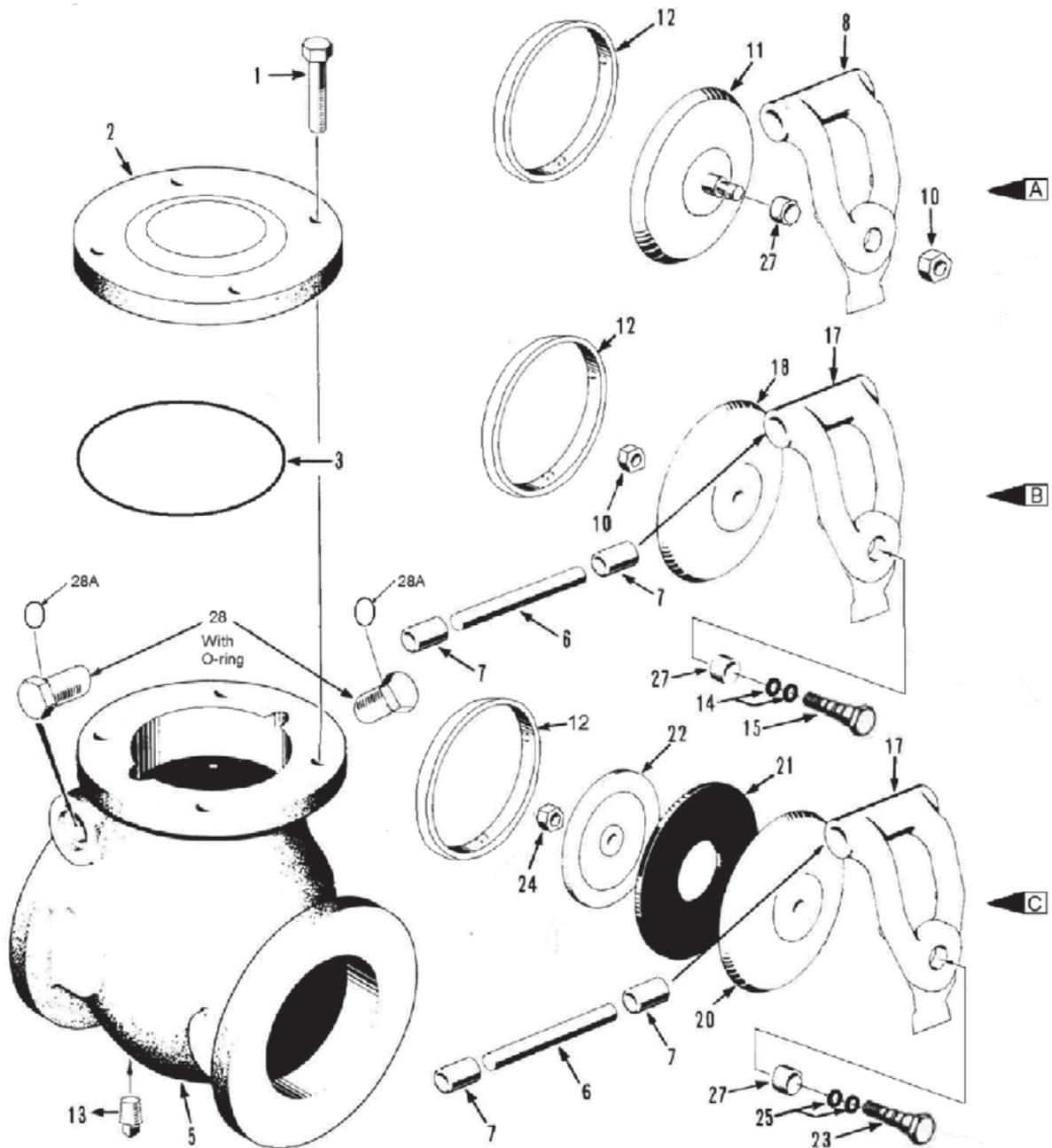
Iron Swing Check Valves

*Underwriters' / Factory Mutual
Underwriters' Canada*

- Bronze Mounted with
Rubber Faced Disc or Bronze Faced Disc

Exploded View

- A** FIG. 1126 Bronze Disc Assembly, Size 2 1/2" and 3" Center
 - B** FIG. 1126 Bronze Faced Disc Assembly, Size 4" thru 12" Bottom
 - C** FIG. 1126A Rubber Disc Assembly, Size 4" thru 12"
 - FIG. 1126A Rubber Disc Assembly, Size 2 1/2" and 3" - Not Shown
- See Page 15-8 for Detail. Also see Page 15-8 for Number Identification

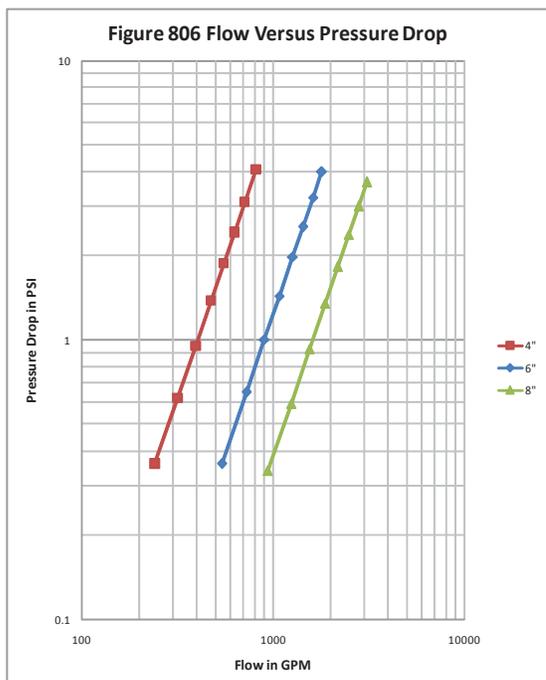
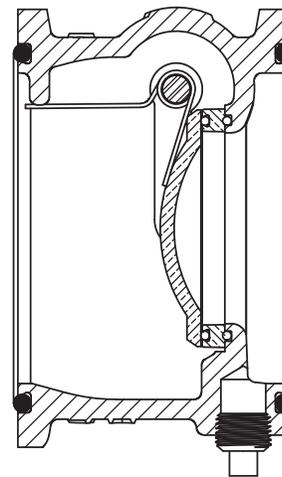
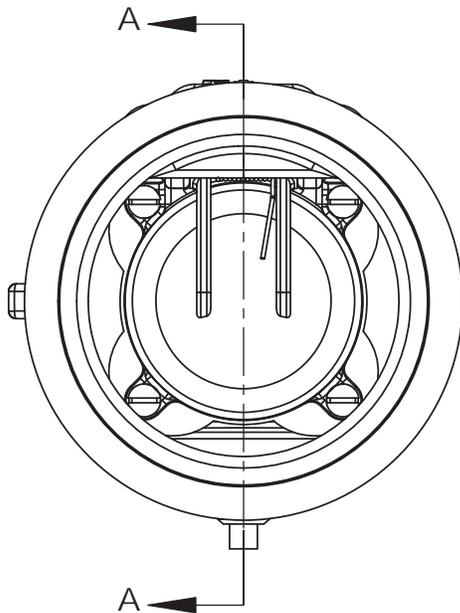


KENNEDY VALVE FIGURE 806 WAFER CHECK VALVES

UL/ULC Listed and FM Approved

300 psi rated working pressure, non-shock
Hydrostatically tested at the factory to
600 psi, seat and shell

- Sizes 4, 6, and 8 inch
- Ductile Iron Body
- Aluminum Bronze Clapper and Seat Ring
- Resilient Seating
- "O" Ring End Seals
- Stainless Steel Spring and Clapper Pin
- All Components Lead Free
- Fusion Bonded Epoxy Coated Interior and Exterior

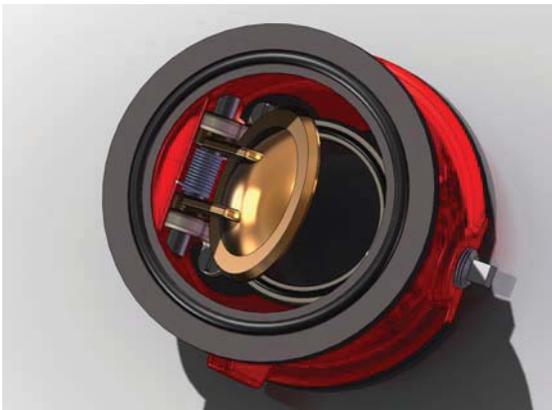
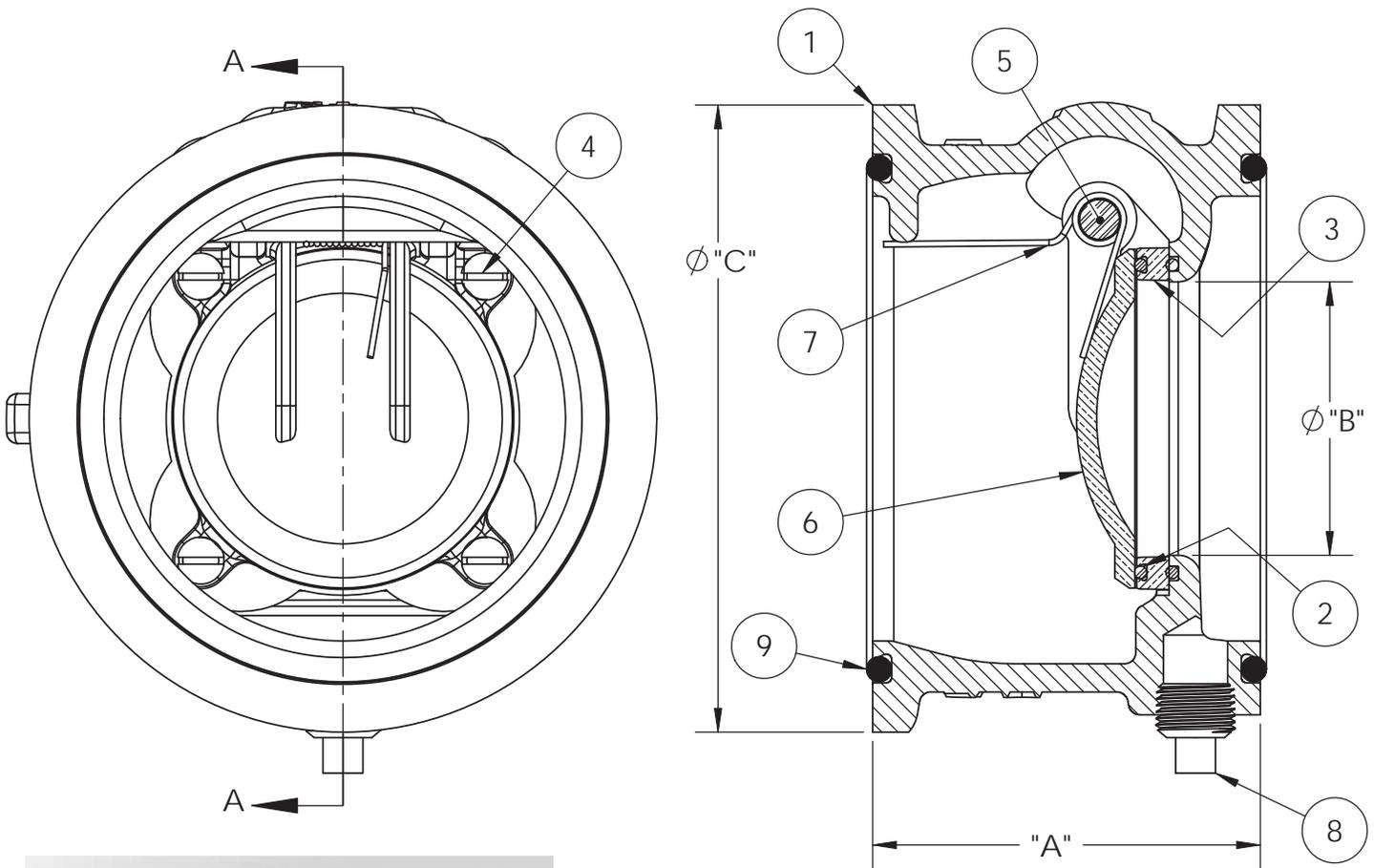


Compact, for installation between standard ASME B16.1 class 125 or class 150 flanges.
Mounting between class 250/300 flanges requires use of spacers.
Kennedy WAFER CHECK VALVES have spring loaded aluminum bronze clappers, resilient seating, and utilize "O" rings rather than gaskets for end seals.

Flow Verses Pressure Drop Data from
Utah Water Research Laboratory
Report No. 2040 and 2073

Wafer Check Valves Technical/Dimensional Data

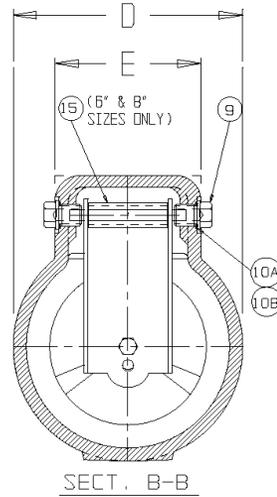
| ITEM NO. | DESCRIPTION | MATERIAL | QTY. |
|----------|--------------------|--|-------------------|
| 1 | Body | Ductile Iron, ASTM A536 grade 70-50-5 | 1 |
| 2 | Oring | Buna-N | 2 |
| 3 | Seat Ring | Aluminum Bronze, ASTM B806 C95400/C95500 | 1 |
| 4 | Screw | 18-8 Stainless Steel | 4 (8" SIZE HAS 6) |
| 5 | Pin | 18-8 Stainless Steel | 1 |
| 6 | Clapper | Aluminum Bronze, ASTM B806 C95400/C95500 | 1 |
| 7 | Spring | 302 Stainless Steel | 1 |
| 8 | 1/2" NPT Pipe Plug | Steel | 1 (4" SIZE ONLY) |
| 9 | Oring | Buna-N | 2 |



| SIZE | "A" | "B" | "C" | WT lbs |
|------|------|------|-------|--------|
| 4" | 4.25 | 3.00 | 6.88 | 12 |
| 6" | 4.25 | 4.50 | 8.75 | 18 |
| 8" | 4.25 | 6.00 | 11.00 | 26 |

KENNEDY VALVE FIGURE 726 GROOVED CHECK VALVES

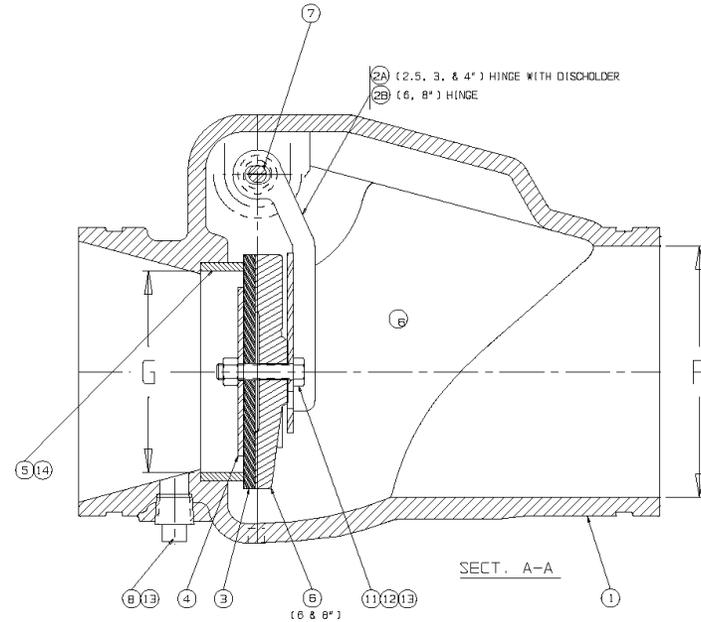
| SIZE | A | B | C | D | E | F | G |
|------|-------|-----|------|-----|-----|-----|-----|
| 2.5 | 8.63 | 3.1 | 5.6 | 4.8 | 4.0 | 2.5 | 2.0 |
| 3 | 9.13 | 3.4 | 6.0 | 5.3 | 4.0 | 3.0 | 2.4 |
| 4 | 10.00 | 3.8 | 6.8 | 6.0 | 4.0 | 4.0 | 3.0 |
| 6 | 13.28 | 6.0 | 10.0 | 7.9 | 5.0 | 6.0 | 4.6 |
| 8 | 14.50 | 8.8 | 13.6 | 9.6 | 5.0 | 8.0 | 6.2 |



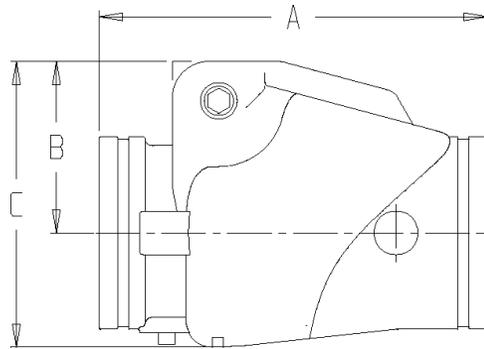
SECT. B-B

| MARK. | QTY. | PART NAME | MATERIAL | REMARKS |
|-------|------|-----------------------------------|-------------------------------|-------------|
| 1 | 1 | VALVE BODY | DUCTILE IRON | |
| 2A | 1 | HINGE WITH DISC HOLDER (INTEGRAL) | STAINLESS STEEL (SS304) | SIZE 2.5-4" |
| 2B | | HINGE | STAINLESS STEEL (SS304) | SIZE 6 & 8" |
| 3 | 1 | RESILIENT DISC | EPDM (2.5-6"), Buna N (8") | |
| 4 | 1 | DISC PLATE | STAINLESS STEEL (SS304) | |
| 5 | 1 | SEAT RING | BRASS- TIN COATED | |
| 6 | 1 | DISC HOLDER | DUCTILE IRON | SIZE 6 & 8" |
| 7 | 1 | HINGE PIN | STAINLESS STEEL (SS304, 18-8) | |
| 8 | 1 | 1/2" PIPE PLUG | STEEL | |
| 9 | 2 | SIDE PLUG | STAINLESS STEEL (SS304, 303) | |
| 10A | 2 | O-RING - DASH 110 | UL NITRILE | SIZE 2.5-4" |
| 10B | 2 | O-RING - DASH 113 | UL NITRILE | SIZE 6 & 8" |
| 11 | 1 | NUT | STAINLESS STEEL (18-8) | |
| 12 | 1 | BOLT | STAINLESS STEEL (18-8) | |
| 13 | 1 | SEALANT | | |
| 14 | 1 | SEALANT | | |
| 15 | 1 | SPACER | BRASS 1/2" PIPE | SIZE 6 & 8" |

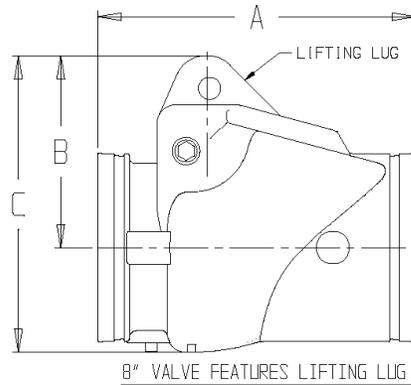
NOTE: REFER TO BILL OF MATERIAL FOR DRAWINGS AND SPECIFIC SIZES OF HARDWARE.



SECT. A-A



3", 4", 6" VALVE



B" VALVE FEATURES LIFTING LUG

| BODY MARKING | |
|--------------|-----------|
| OTHER SIDE | THIS SIDE |
| 300W | 726 |
| Size UL | FM |
| YEAR | KENNEDY |

| REV | DATE | BY | DESCRIPTION |
|-----|-------|----|----------------------------|
| 2 | 11/15 | | ADDED TABULATION |
| 1 | 12/15 | | RELEASE FOR PRODUCTION RUN |

| | |
|--------------------|--|
| MATERIAL: | KENNEDY VALVE |
| MATL. WEIGHT | ELMIRA, NY 14901 |
| MACHINED TOLERANCE | GROOVED END, ENCLOSED CHECK VALVE ASSEMBLY - FIG 726 |
| FILE PATH | RATED 300PSI |
| DRAWN BY: JEB-BES | DWG NO. 81729 |
| ISSUED: 11/23/15 | SCALE NONE |
| | REV 02 |