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

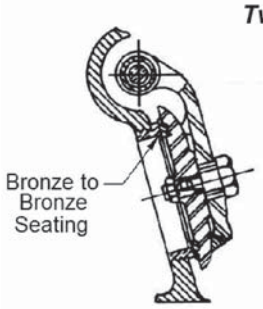


FIG. 1126
BRONZE DISC
FLANGED ENDS
SIZE: 2½" THRU 12"

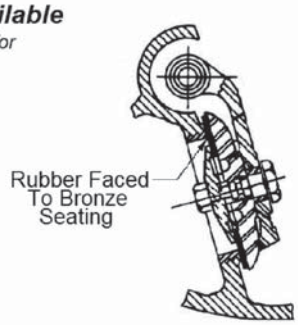
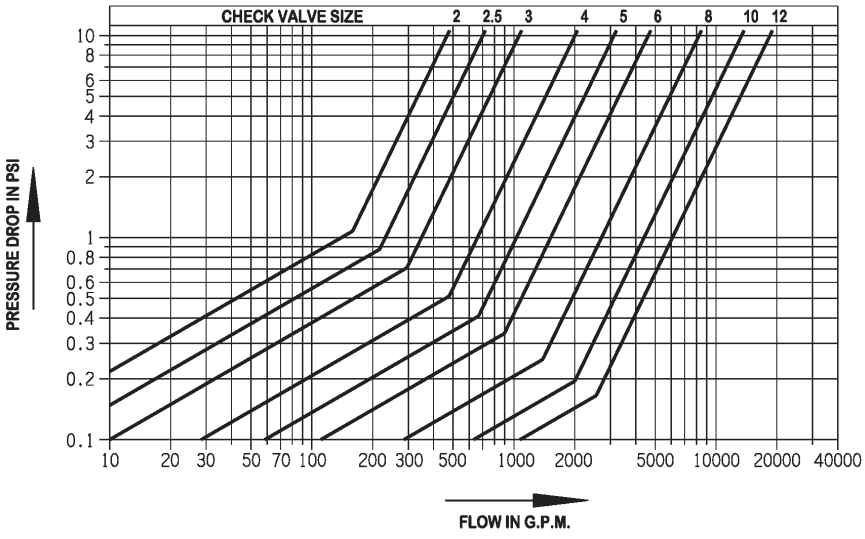


FIG. 1126A
RESILIENT DISC
FLANGED ENDS
SIZE: 2½" THRU 12"

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: 2½"-12" Cold Water, Non-Shock, 175 ll

Approvals: UL/FM/ULC - 2½"-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 2½" 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 2½" 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 Dimansions

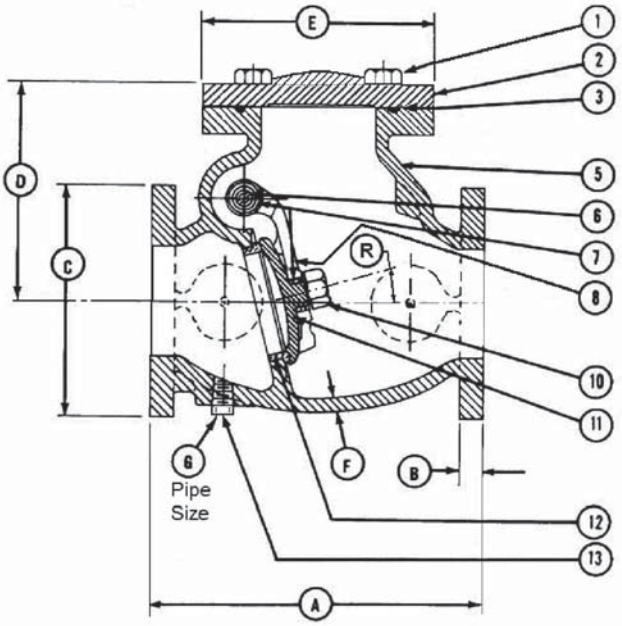
SIZE	A	B	C	D	E	F	G	R
2½	10	11/16	7	6 7/16	7	1 3/32	3/4	10.0
3	10 1/4	3/4	7 1/2	6 5/8	7 1/2	7/16	3/4	8.0
4	13	15/16	9	8 7/16	9	1/2	3/4	8.0
6	16	1	11	10 1/8	11	5/8	3/4	12.0
8	19	1 1/8	13 1/2	11 7/8	13 1/2	3/4	3/4	15.0
10	22	1 3/16	16	13 5/16	16 3/4	1 3/16	3/4	15.0
12	26	1 1/4	19	15 9/16	19	7/8	3/4	15.0

WEIGHT - POUNDS

SIZE	21/2"	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

BODY MARKING	OPPOSITE SIDE
UL ◀ FM ▶ KENNEDY SIZE – 175	YEAR FIG. 1126 OR 1126A



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

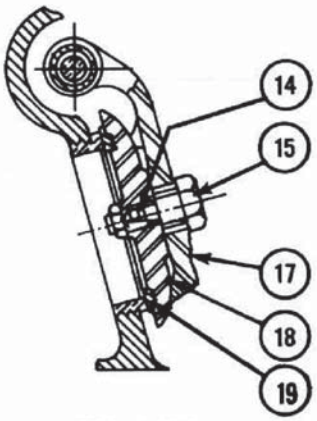


FIG. 1126
Internal Components
Bronze Faced Disc
4" through 12"

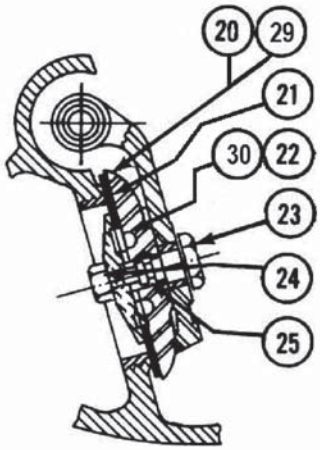


FIG. 1126A
Internal Components
Rubber Faced Disc

Iron Swing Check Valves

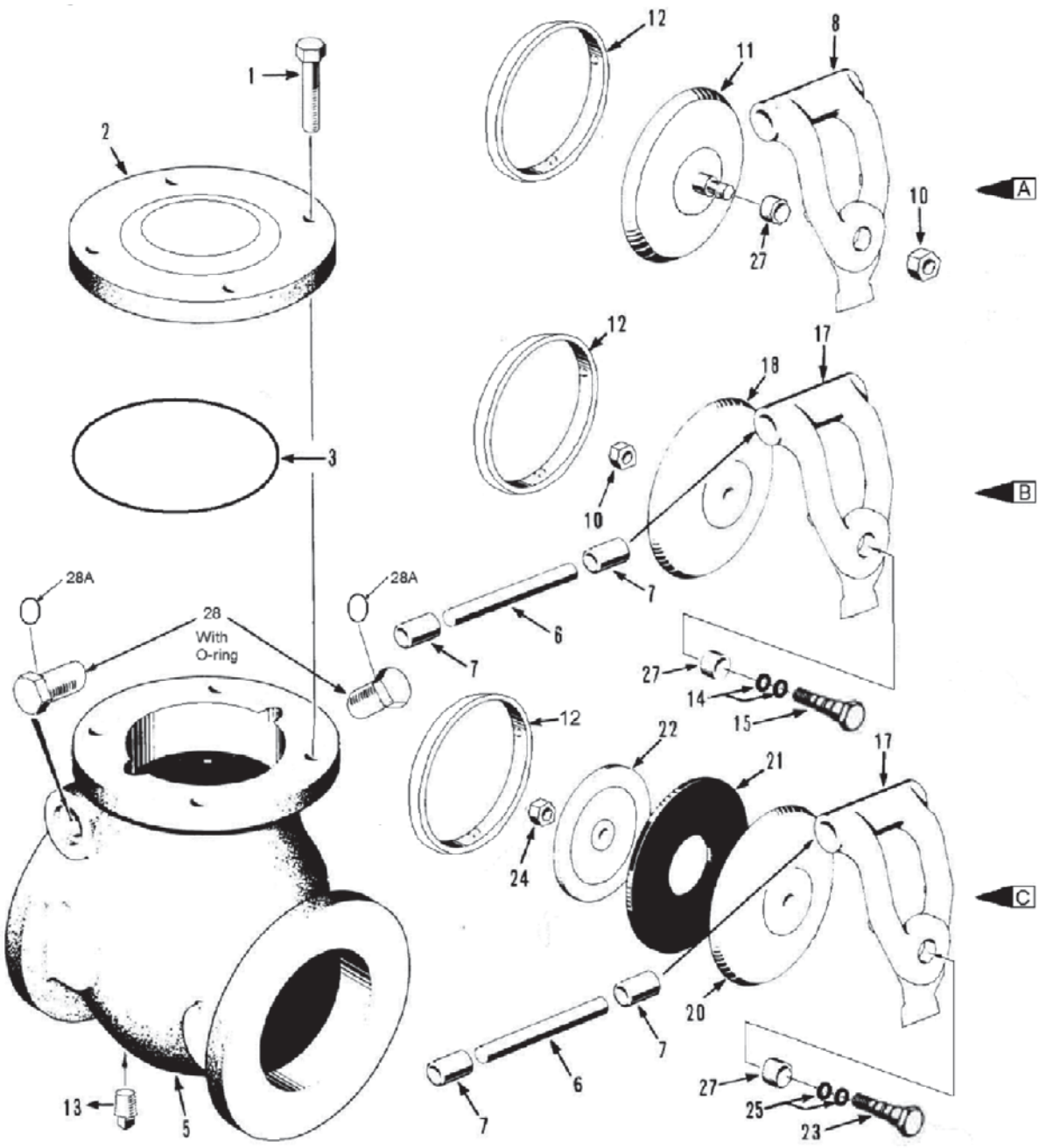
Underwriters'/Factory Mutual
Underwriters' Canada

- 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 CHECK VALVES

It is generally recommended, that when using Kennedy swing check valves, that you locate the valve at least 5 to 10 pipe diameters down stream from any flow disturbance or obstruction (valve, pump, elbow, reducer, etc.). Turbulence close to the check valve may result in valve "chatter" resulting in premature failure of the check valve.

As stated in AWWA C508, *"Conditions of water hammer, hydraulic pulsation, and excessive operating noise are results of system design rather than valve design and are beyond the scope of this standard and require special design and construction considerations."*