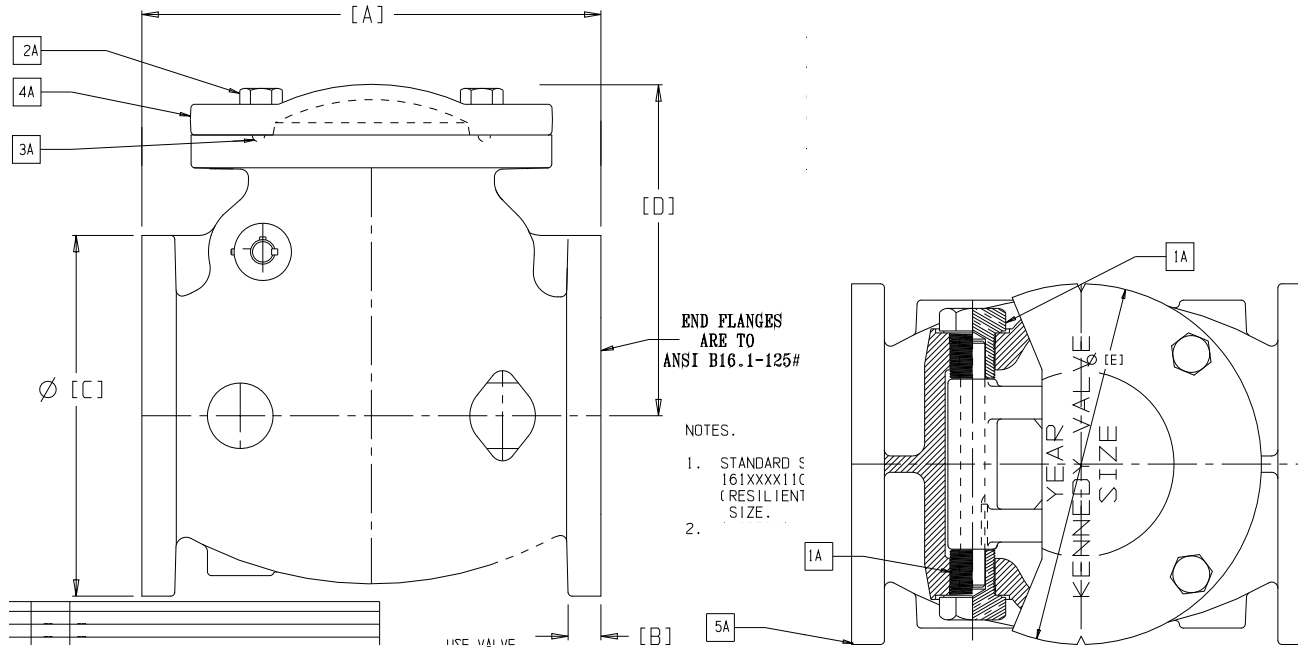


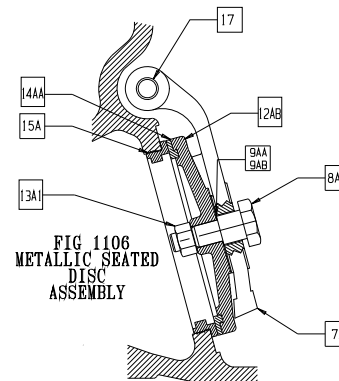
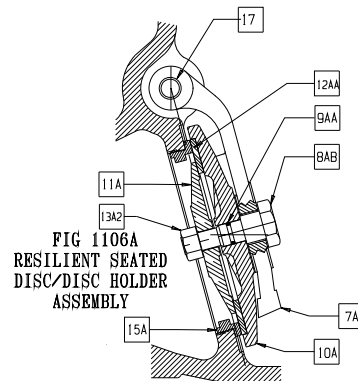


KENNEDY VALVE

FIG. 1106 / 1106A - AWWA STANDARD CHECK VALVE FULL WALL / DOMESTIC



DIMENSIONS						
	DA LG	FLG THK	FLG DD	DA HT	COVER DD	WALL THK
Size	A	B	C	D	E	J
2"	8"	0.66"	6"	6"	6"	0.34"
2.5"	8.5"	0.72"	7"	6.44"	7"	0.41"
3"	9.5"	0.78"	7.5"	6.85"	7.5"	0.44"
4"	11.5"	1.00"	9"	8.69"	9"	0.50"
6"	14"	1.06"	11"	10.51"	11"	0.62"
8"	19.5"	1.25"	13.5"	12.56"	13.5"	0.75"
10"	24.5"	1.31"	16"	14.07"	16.75"	0.81"
12"	27.5"	1.38"	19"	16.13"	19"	0.88"



COVER / BODY ATTACHMENTS			
No.	QTY.	Description	Material
1A	2	Side Plug	Bronze B371 C69300
2A	A/R	Hex Bolt	Stainless Steel 18-8
3A	1	O-Ring Seal Cover to Body	Buna-N
4A	1	Check Valve Cap	Gray, Cast Iron ASTM A 126B
5A	1	Body	Gray, Cast Iron ASTM A 126B
7A	1	Hinge	Bronze (2"-3") / Ductile Iron (4"-12")
8AA	1	Disc Bolt (Metal to Metal)	Bronze (10" & 12")
8AA	1	Disc Bolt (Metal to Metal)	Steel (4"-12") (N/A 2"-3", Integral w/ Disc)
8AB	1	Disc Bolt (Resilient)	Bronze (4"-12") (N/A 2"-3", Integral w/ Disc)
9AA	2	Disc Bolt O-Ring, Fig. 1106	Buna-N (10" & 12")
9AA	2	Disc Bolt, Fig. 1106A	Buna-N (4"-12") (N/A 2"-3")
9AB	2	Disc Bolt Gasket	Fibre (4"-8")
10A	1	Disc Holder	Gray, Cast Iron (4"-12", ex. 8")
10A	1	Disc Holder	Ductile Iron (8")
10A	1	Disc Holder w/ Integral Bolt	Bronze (2"-3")
11A	1	Disc Plate	Stainless Steel (2"-3"), Bronze (4"-12")
12AA	1	Replaceable Rubber Disc	Nitrile (Buna N) Rubber
12AB	1	Disc w/ Integral Bronze Ring	Gray Cast Iron (4"-12")
12AB	1	Disc w/ Integral Bolt & Ring	Bronze (2" - 3")
13A1	1	Hex Nut - Disc	SS18-8 (2-12") Metal to Metal
13A2	1	Hex Nut - Disc Holder	SS18-8, 2 Nuts (2"-3")
14AA	1	Disc Ring - Integral w/ Disc	Solid Bronze Disc (2"-3"), Bronze (4"-12")
15A	1	Seat Ring	Bronze ASTM B584 C89833 / C87850
17	1	Hinge Pin	Stainless Steel A-276 (304)

NOTES:

- Standard syntax for a standard check valve is: 161XXXX1106 (Brass to Brass) or 161XXXX1106A (Resilient to Brass), where "XXXX" signifies the size.
- A special "Buy America" valve can be obtained by specifying "DOM" after the standard number.
- Use valve flow horizontal or vertical with flow up.



KENNEDY VALVE

AWWA C508 Standard Swing Check Valves

General Information

Fig. 1106 (Standard), 1106LW (Lever & Weight), 1106LS (Lever & Spring).

"A" signifies optional resilient seal.

General:

Check Valves shall be all iron body, bronze mounted, full opening swing type. Valve clapper shall swing full open permitting a "full flow" thru the valve equal to the nominal pipe diameter. They shall comply with AWWA Standard C-508 latest revision.

- Sizes 2" - 36"
- Water / Sewage Service
- Limit Switch Option Available

Rating:

Check Valves (2" through 12") shall be rated at 200 psi water working pressure, 400 psi hydrostatic test for structural soundness. Check valves (14" through 36") shall be rated at 150 psi water working pressure, 300 psi hydrostatic test. Pressure testing shall be done in accordance with AWWA C508.

Materials:

All cast iron shall conform to ASTM-A-126 Class B. Casting shall be clean and sound without defects that will impair their service.

- Clappers 2"-3" shall be bronze or faced with rubber.
- Clappers 4"-12 shall be faced with bronze or rubber.
- Clappers 14"-36" shall be rubber faced.
- Body Rings / Seats shall be bronze.
- Hinge pins shall be SS304 stainless steel with bronze side plugs (2"-12"), or packing with a Ductile Iron packing gland with 18-8 fasteners (14"-36").

Coating:

The inside and outside of all valves, together with the working parts except bronze and machined surfaces, shall be coated in accordance with AWWA standards.

Limit Switch Option:

Customer may order limit switch as an option to be mounted on the same side as the lever with a 1106LW* or 1106LS. Kennedy Valve uses an Allen Bradley Switch (802T model).

*Needs to be horizontal for switch mounting.

Note:

It is generally recommended that when using KV swing check valves that you locate the valve at least 5 pipe diameters downstream 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.

End Configuration:

Check Valves shall be furnished with 125# ANSI flanged end connections.

Design:

Check Valves are constructed to permit top entry for complete removal of internal components without removing the valve from the line.

Plain Check Valves 2"-12" shall have O-ring sealed side plugs. Levered Check Valves in all sizes shall have conventional packing & packing gland design.

When specified, for application conditions of rapid flow reversal or vertical installation, check valve shall be equipped with adjustable outside lever & spring or lever & weight to accomplish faster closing and to minimize slamming effect.

All valves 14" and larger shall have extended hinge pins for future addition of levers and springs if required. Valves shall be suitable for installation in either horizontal or vertical position.

Markings:

Markings shall be in accordance with AWWA C-508 and shall include size, working pressure, cast arrow to indicate direction of flow, name of manufacturer, and year of manufacture.