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.

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.

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.