

Kennedy Swing Check Valves

A.W.W.A. C508 was developed in 1976 to set a standard for the manufacture, testing and application of Iron Body Bronze Mounted (IBBM) Check Valves. The valves are designed with an iron body and include either metal-to-metal or composition-to-metal seating.

Kennedy Swing Check Valves are designed and manufactured in conformance with A.W.W.A. C508 and are for use on water, oil and gas lines. Under certain circumstances where it is desirable to have more positive control of the closing of the disc, the valves can be supplied with either lever-and-spring or lever-and-weight. For restricted spacing requirements Kennedy Valve manufactures a Wafer Check Valve that also helps to control water hammer.

Features



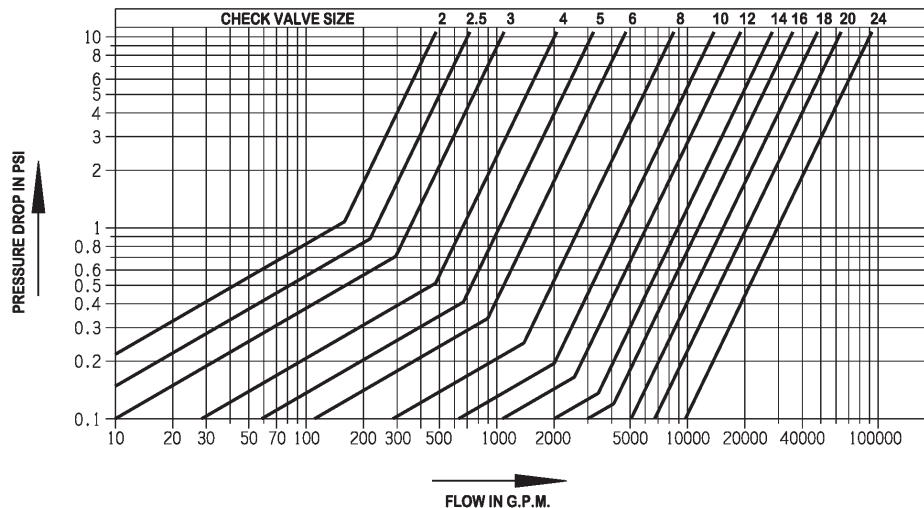
Swing Check Valve-AWWA

- Stainless steel hinge pin.
- Working parts are removable through the top of the valve.
- Tapped bosses available.
- Available with lever-and-spring or lever-and-weight.
- Double bronze side plug construction.
- Bodies are made of high strength cast iron with reinforced flanges - ANSI B 16.1/125 # flanges.
- May be installed in a vertical line with the flow up.

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|----------------------------------|----------------|
| • Figure #1106 Series | <u>2"-12"</u> |
| Test Pressure - Seat and Shell | 400 PSI |
| Working Pressure - non-shock CWP | 200 PSI |
| • Figure #106 Series | <u>14"-24"</u> |
| Test Pressure - Seat and Shell | 300 PSI |
| Working Pressure - non-shock CWP | 150 PSI |

FLOW VERSUS PRESSURE DROP

Data Representative of Kennedy Figure 1106 and 1106A Swing Check Valves





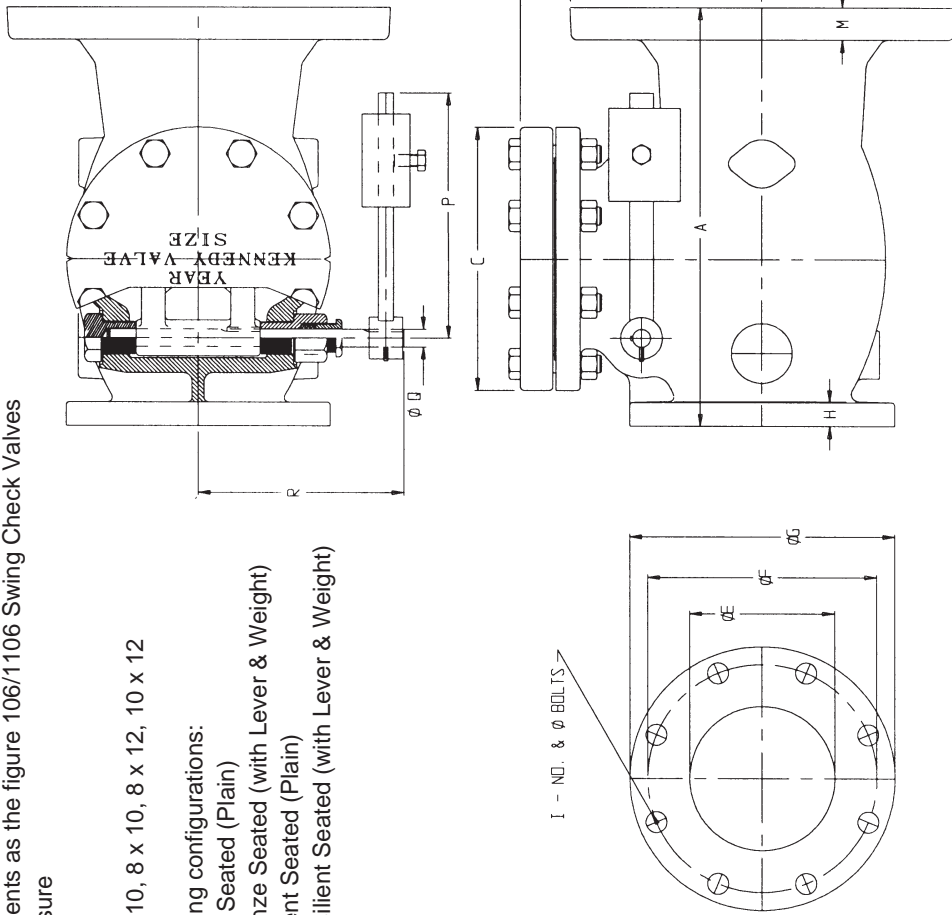
KENNEDY CHECK VALVES

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."


FEATURES:

- Utilizes same components as the figure 106/1106 Swing Check Valves
- 200 psi Working Pressure
- 400 psi Test Pressure
- Available in sizes:
 - 4 x 6, 4 x 8, 6 x 8, 6 x 10, 8 x 10, 8 x 12, 10 x 12
- Available in the following configurations:
 - Figure 1306 – Bronze Seated (Plain)
 - Figure 1306LW – Bronze Seated (with Lever & Weight)
 - Figure 1306A – Resilient Seated (Plain)
 - Figure 1306AW – Resilient Seated (with Lever & Weight)



SIZE	A	B	C	D	E	F	G	H APPROX.	I	J	K	L	M	N	P	Q	R
4X6	13.50	8.31	9	10.1	4	7.50	9	0.94	8-0.63	6	9.50	11	1	8-0.75	8.25	0.63	8.19
4X8	15	8.31	9	10.1	4	7.50	9	0.94	8-0.63	8	11.75	13.50	1.13	8-0.75	8.25	0.63	8.19
6X8	17	10.06	11	10.9	6	9.50	11	1	8-0.75	8	11.75	13.50	1.13	8-0.75	10.25	0.75	9.00
6X10	17.50	10.06	11	10.9	6	9.50	11	1	8-0.75	10	14.25	16	1.19	12-0.88	10.25	0.75	9.00
8X10	20	12.38	13.50	12.4	8	11.75	13.50	1.13	8-0.75	10	14.25	16	1.19	12-0.88	14.5	0.88	10.19
8X12	21	12.38	13.50	12.4	8	11.75	13.50	1.13	8-0.75	12	17	19	1.25	12-0.88	14.5	0.88	10.19
10X12	22.50	13.93	16.75	14.7	10	14.25	16	1.19	12-0.88	12	17	19	1.25	12-0.88	18	1.00	11.63

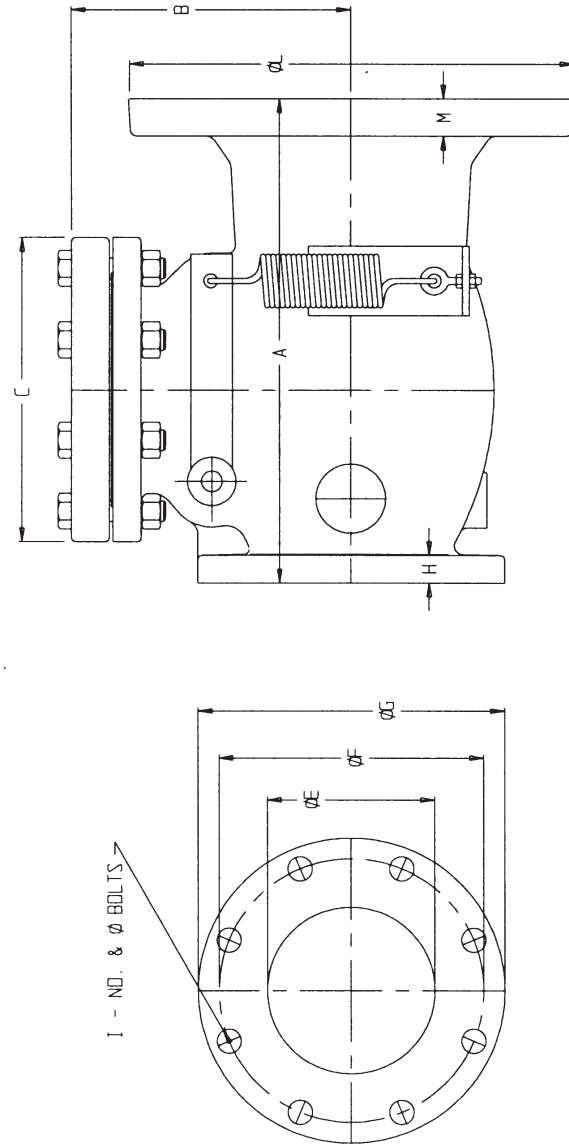
INCREASING CHECK DIMENSIONS
W/LEVER & WEIGHT



 DRAWN BY PMP
 CHECKED
 APPROVED
 DATE 5-2-01
 SCALE NONE
 DWG NO. 31946
 REV.

FEATURES:

- Utilizes same components as the figure 106/1106 Swing Check Valves
- 200 psi Working Pressure
- 400 psi Test Pressure
- Available in sizes: 4 x 6, 4 x 8, 6 x 8, 6 x 10, 8 x 10, 8 x 12, 10 x 12
- Available in the following configurations:
- Figure 1306 – Bronze Seated (Plain)
- Figure 1306LS – Bronze Seated (with Lever & Spring)
- Figure 1306A – Resilient Seated (Plain)
- Figure 1306AS – Resilient Seated (with Lever & Spring)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N
4X6	13.50	8.31	9	8.19	4	7.50	9	0.94	8-0.63	6	9.50	11	1	8-0.75
4X8	15	8.31	9	8.19	4	7.50	9	0.94	8-0.63	8	11.75	13.50	1.13	8-0.75
6X8	17	10.06	11	9	6	9.50	11	1	8-0.75	8	11.75	13.50	1.13	8-0.75
6X10	17.50	10.06	11	9	6	9.50	11	1	8-0.75	10	14.25	16	1.19	12-0.88
8X10	20	12.38	13.50	10.19	8	11.75	13.50	1.13	8-0.75	10	14.25	16	1.19	12-0.88
8X12	21	12.38	13.50	10.19	8	11.75	13.50	1.13	8-0.75	12	17	19	1.25	12-0.88
10X12	22.50	13.93	16.75	11.63	10	14.25	16	1.19	12-0.88	12	17	19	1.25	12-0.88

N - NO. & ø BOLTS →

INCREASING CHECK DIMENSIONS
W/SPRING & LEVER

DRAWN BY PMP	DATE 5-2-01
CHECKED	SCALE NONE
APPROVED	
Kennedy Valve	
DWG NO.	31935
REV.	