

**CLOW HORIZONTAL SWING
CHECK VALVES**

CLOW VALVE COMPANY

**CLOW AWWA Horizontal Swing Check Valves
Meet or Exceed the Requirements
of AWWA Standard C508**

Size Range	Water working Pressure psi	Hydrostatic Test psi
2"-12"	200	400
14"-30"	150	300

Available End Connections & Size Range

Figure No.

Flanged	2"-24" (Plain)	Style 1106
Flanged	14"-30" (Plain)	Style 59-02
Flanged	2"-12" Outside Weight & Lever	Style 1106LW
Flanged	14"-30" Outside Weight & Lever	Style 159-02
Flanged	2"-12" Outside Spring & Lever	Style 1106SL
Flanged	14"-30" Outside Spring & Lever	Style 259-02
Flanged	4"-12" Cushion Check	Style 1206
Flanged	14"-30" Cushion Check	Style 206

Resilient Hinge Check Valve

Flanged	4"-12" Resilient Hinged Check	Style 506
	250 psi Working Pressure	
	500 psi Hydrostatic Test	

Accessories

Outside Weight & Lever	Limit Switchest
Outside Spring & Lever	Rubber Faced Gates
Tapped Bosses (Drain-Bypass)	

Style 1106

HORIZONTAL SWING CHECK
VALVES 2"-12"
PLAIN - GENERAL DIMENSIONS
CLOW VALVE COMPANY

Dimensional Data 2"-12" 1106/1106LW/106LS

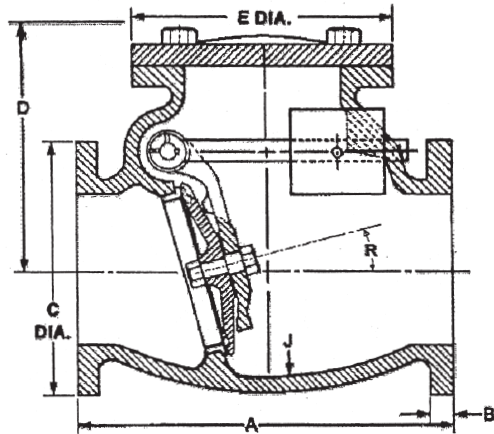
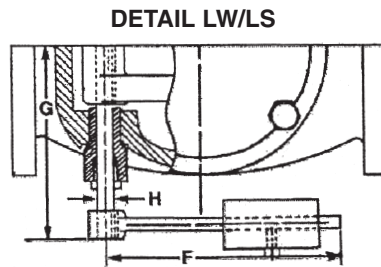
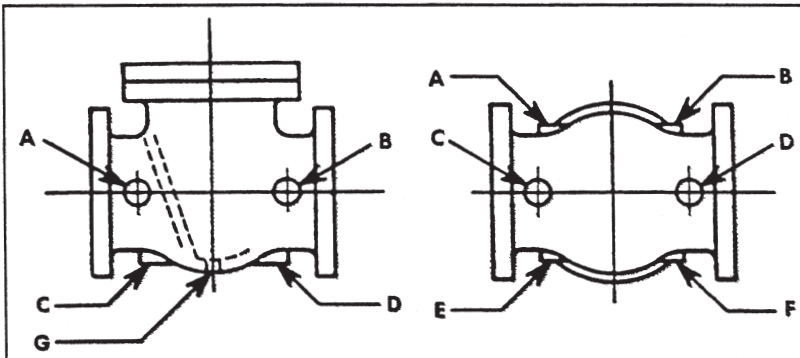


FIG. 1106LW SHOWN. SAME DIMENSIONS APPLY TO 1106 AND 1106LS



L-BOLT CIRCLE DIA. END FLANGES
M-NO. OF BOLTS PER FLAT END FLANGES
N-BOLT HOLE DIA.
END FLANGES CONFORM TO ANS1 B16.1

SIZE	A	B	C	D	E	F	G	H	J	L	M	N	Q*	R
2"	8.00	0.65	6.00	6.00	6.56	5.00	4.72	.50	0.34	4.75	4	.75	4	10.0
2 1/2"	8.50	.069	7.00	6.44	6.56	5.25	4.94	.50	0.41	5.50	4	.75	4	8.0
3"	9.50	0.78	7.50	6.85	6.56	6.00	5.34	.50	0.44	6.00	4	.75	4	8.0
4"	11.50	1.00	9.00	8.69	9.00	7.75	8.19	.62	0.41	7.50	8	.75	4	12.0
6"	14.00	1.03	11.00	10.51	11.00	9.75	9.00	.75	0.43	9.50	8	.87	4	15.0
8"	19.50	1.25	13.50	12.56	13.50	14.13	10.18	.87	0.75	11.75	8	.87	4	15.0
10"	24.50	1.31	16.00	14.07	16.75	18.00	11.62	1.00	0.81	14.25	12	1.00	6	15.0
12"	27.50	1.38	19.00	16.13	19.00	18.00	13.75	1.00	0.87	17.00	12	1.00	6	15.0



BOSS AND DRAIN TAPPING SCHEDULE

VALVE SIZE (In.) 2-3 1/2 4-5 6 8,10,12

MAX. SIZE PIPE TAP (NPT) 3/4 1 1 1/4 2

When ordering Check Valves tapped for by-pass or drain, specify exact location and size of tap using letters above for boss designation. These locations of drain and by-pass tappings conform to the Manufacturers Standardization Society Specification SP-45-1953.

RECOMMENDED SPECIFICATIONS FOR CLOW SWING CHECK VALVES

CLOW VALVE COMPANY

- Check valves shall be of swing type and shall meet the material and design requirements of AWWA specification C508. The valve shall be iron body, bronze mounted, 2" - 12" and iron body-resilient seat 14" - 30" single gate for non-shock working pressure 200 psi 2" - 12", 150 psi 14" - 30" and hydrostatically tested at double the working pressure. Ends shall be 125 # ANSI flanged.
- When there is no flow through the line, the gate shall hang lightly against the seat.
- The valve shall be so constructed that by simply unbolting and lifting off the cover, the internal working parts may easily be removed and replaced without removing the valve from the line. The valve shall be furnished plain or with outside lever and spring or outside lever and weight.
- Check valves shall be suitable for mounting in horizontal lines or vertical lines when water flow is up.
- Check valves shall have stainless steel hinge pin.
- Hinge pin shall operate in bronze support bearings.

Check Valve Ordering Information - AWWA

- Please furnish all the information requested below:
- Quantity
- Size: Available in 2" - 30"
- Type: Whether plain, outside lever and weight, outside lever and spring
- End types: Flanged
- Special features: Rubber faces or bronze gates - Cushion Device
- Check valve type:

2" - 12"	Plain	Style	1106
14" - 30"	Plain	Style	59-02
2" - 12"	W/L	Style	1106LW
14" - 30"	W/L	Style	159-02
2" - 12"	S/L	Style	1106LS
14" - 30"	S/L	Style	259-02

Check Valve Ordering Information - UL/ULC

- Quantity
- Size: Available in 2½" - 12"
- Type: Plain
- End types: Style 1126 Fig. (Bronze faced gate)
- Special features: Style 1126A Fig. (Rubber faced gate)