

**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

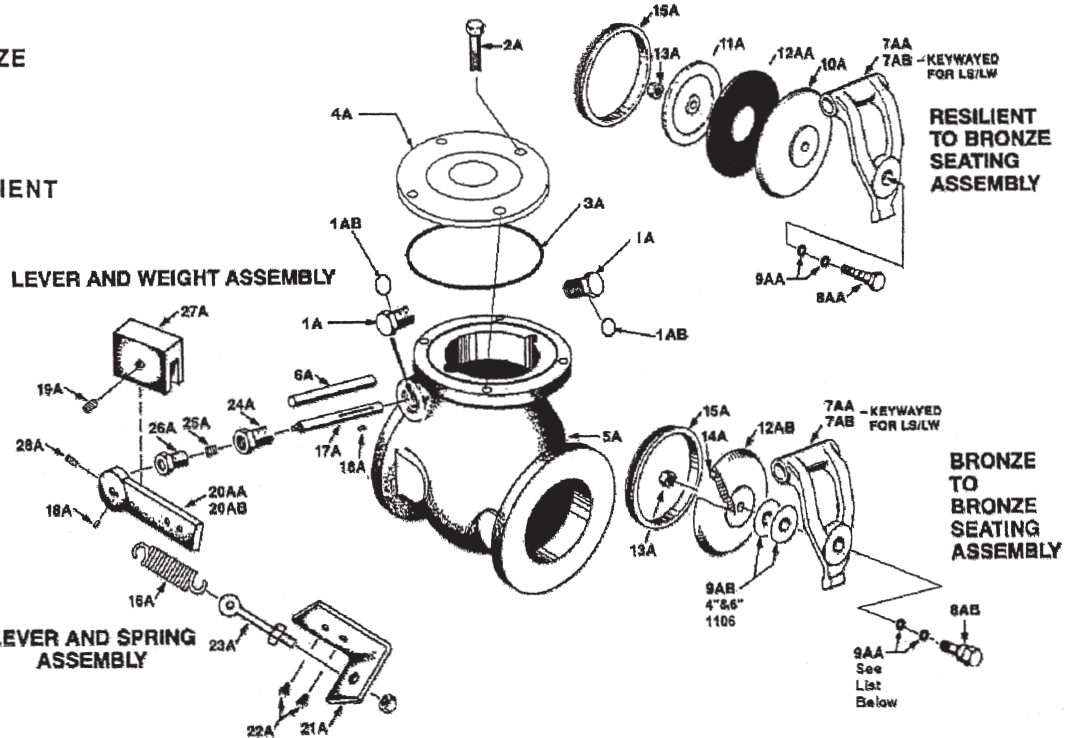
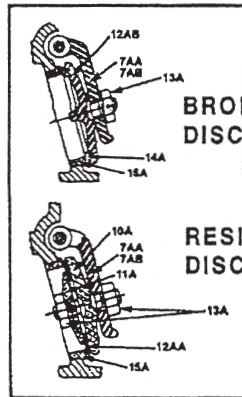
Outside Weight & Lever	Limit Switchest
Outside Spring & Lever	Rubber Faced Gates
Tapped Bosses (Drain-Bypass)	

DISC ARRANGEMENT 2" - 3"

Style 1106

SWING CHECK VALVES 2"-12" TECHNICAL DATA & PARTS LIST

CLOW VALVE COMPANY



Part. No.	Qty.	Description	Material &ASTM Spec.
1A With 1AB (O-Ring)	2 1 for LS/W	Side Plug With O-Ring	Bronze
2A	* See foot note	Cap Bolts	ss-18-8ASTM F593C
3A	1	O-Ring	Syn. Rubber
4A	1	Cap	C.I.A-126 Cl.B
5A	1	Body	C.I.A-126 Cl.B
6A	1	Hinge Pin	SS A-276 (304)
7AA	1	Hinge	Bronze (2"-3") D.I. A-536 (4"-12")
7AB	1	Hinge w/keyway for LS/LW	Bronze (2"-3") D.I. A-536 (4"-12")
8AA	1	Disc Bolt (4"-12")	Bronze (10"-12") Steel (4"-8")
8AB	1	Disc Bolt (4"-12")	Bronze (10"-12") Steel (4"-8")
9AA	2	Disc Bolt O-Ring (4"-12" 1106A, 8"-12" 1106)	Syn. Rubber
9AB	2	Disc Bolt Gasket (4" & 8" 1106)	
10A	1	Disc Holder	Bronze (2"-3") C.I.A-126 Cl.B (4"-12")
11A	1	Disc Plate	Bronze

Part. No.	Qty.	Description	Material &ASTM Spec.
12AA	1	Disc	Nitrile (Buna N) Rubber
12AB	1	Disc	Bronze (2"-3") C.I.A-126 Cl.B (4"-12")
13A	1 2 w/resilient disc (2"-3")	Disc Nut	SS18-8 ASTM F593C
14AA	1	Disc Ring (4"-12")	Bronze
15A	1	Seat Ring	Bronze
16A	1	Spring	Steel
17A	1	Extended Hinge Pin for LS/LW	SS A-276 (304)
18A	2	Key for LS/LW	SS A-276 (304)
19A	1	Set Screw	Steel
20AA	1	Lever Arm for LS	Steel
20AB	1	Lever Arm for LW	Steel
21A	1	Bracket	Steel
22A	2	Hex Head Bracket Bolt	Steel
23A	1	Eye Bolt w/2 Hex Nuts	Steel
24A	1	Stuffing Box	Bronze
25A	-	Packing	Graphite Filled
26A	1	Gland	Bronze
27A	1	Weight	C.I.A-126 Cl.B
28A	1	Set Screw	Steel

Style 1106

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

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

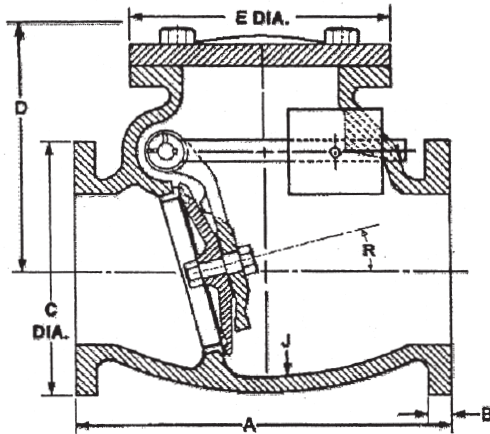
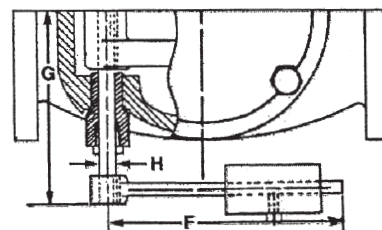


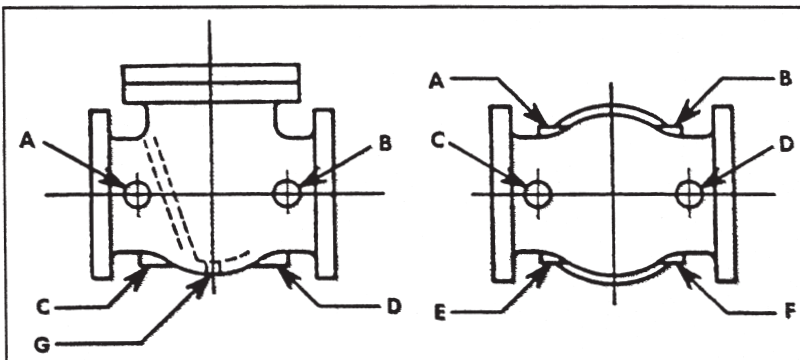
FIG. 1106LW SHOWN. SAME DIMENSIONS
APPLY TO 1106 AND 1106LS

DETAIL LW/LS



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