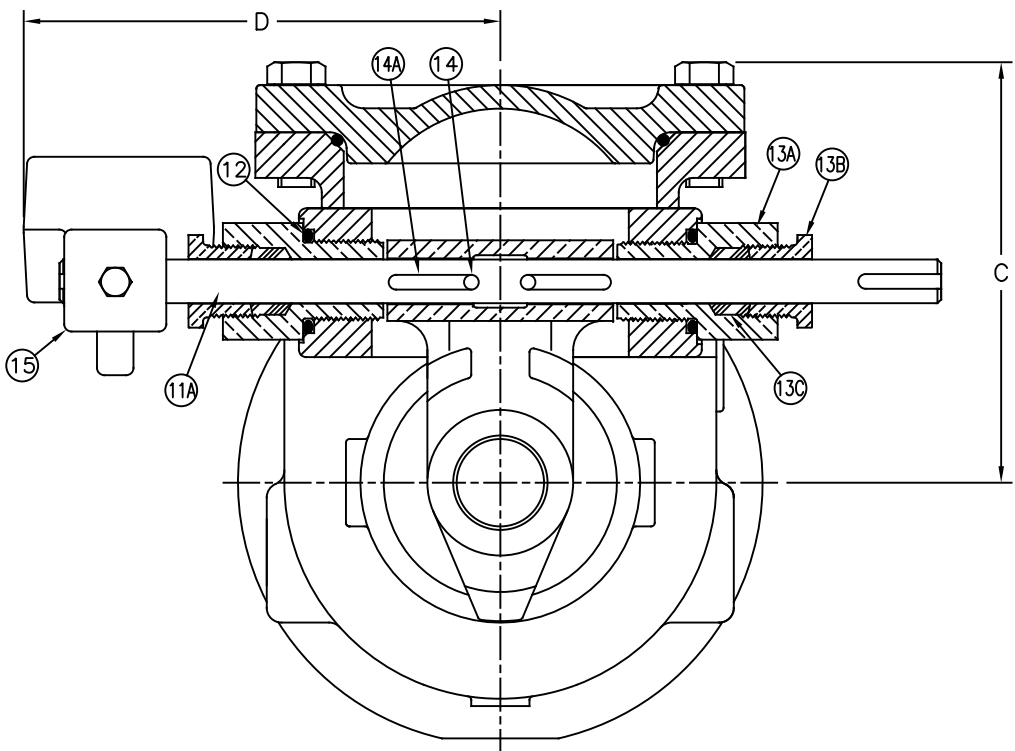
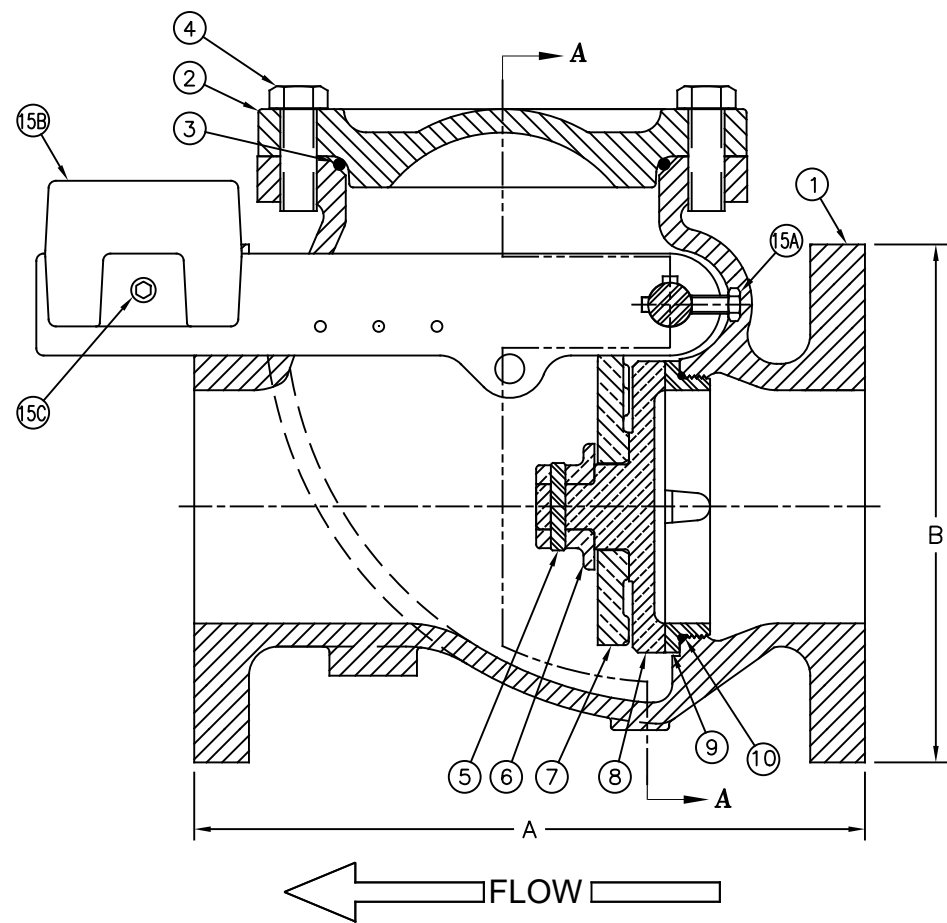


# Swing Check Valves

Sizes 4" / 100 mm  
AIS COMPLIANT

Model 92LW **FLOMATIC**  
Flomatic Corporation



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# Swing Check Valve

Sizes 4" / 100 mm  
AIS COMPLIANT

Model 92LW



Flomatic Corporation

## Materials (Lever & Weight)



Max Temp 180°F (82°C)  
Max Pressure 200psi (14bar)

Item #	Qty	Description	Material	ASTM	Item #	Qty	Description	Material	ASTM
1	1	Body (Epoxy Coated)	Ductile Iron	65-45-12	12	2	Bearing O-Ring	Buna-N	N6000AA
2	1	Cover (Epoxy Coated)	Cast Iron	A126	13A	2	Support Bearing (Open End)	Bronze	B140
3	1	Cover O-Ring	Buna-N	N6000AA	13B	2	Packing Nut	Bronze	B140
4	4	Cover Bolt	Stainless Steel	18-8	13C	8	Teflon Packing	Teflon	-----
5	1	Clapper Screw & Nut	Stainless Steel	316	14	1	Screw	Stainless Steel	18-8
6	1	Clapper End Cap	Bronze	C89833	14A	3	Key Stock	Stainless Steel	18-8
7	1	Clapper Arm	Bronze	C89833	15	1	Lever Arm (Epoxy Coated)	Ductile Iron	65-45-12
8	1	Clapper Plate	Bronze	C89833	15A	1	Bolt	Stainless Steel	18-8
9	1	Seat Ring	Stainless Steel	304	15B	1	Weight (Epoxy Coated)	Cast Iron	A126
10	1	Seat Ring O-Ring	Buna-N	N6000AA	15C	1	Bolt	Stainless Steel	18-8
11A	1	Clapper Shaft	Stainless Steel	17-4	Optional resilient seat (Nitrile) available, add "R" to end of part number				

## Dimensions (150# ANSI B16.42 Flanges)

Size		Part #	A		B		C		D		Weight	
inch	mm		inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg
4	100	3707LW	11-1/2	292	8-57/64	226	7-7/32	183	8-3/16	208	125	57

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# Swing Check Valve

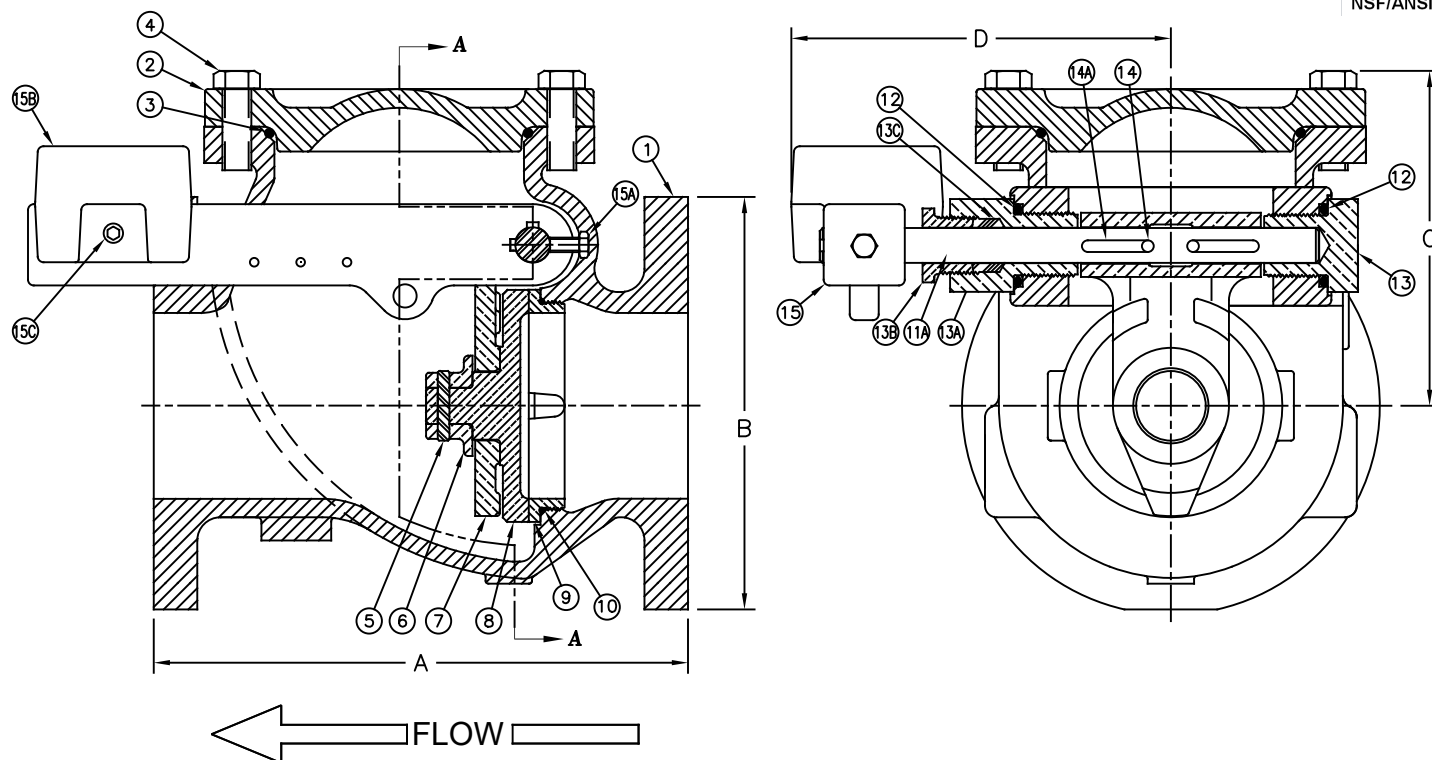
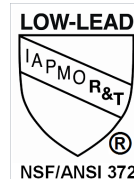
Sizes 6" / 150 mm  
AISI COMPLIANT

Model 92LW

**FLOMATIC**

Flomatic Corporation

## Materials (Lever & Weight)



Max Temp 180°F (82°C)  
Max Pressure 200psi (14bar)

Item #	Qty	Description	Material	ASTM	Item #	Qty	Description	Material	ASTM
1	1	Body+ (Epoxy Coated)	Cast Iron	A126	12	2	Bearing O-Ring	Buna-N	N6000AA
2	1	Cover (Epoxy Coated)	Cast Iron	A126	13	1	Support Bearing (Closed End)	Bronze	B140
3	1	Cover O-Ring	Buna-N	N6000AA	13A	1	Support Bearing (Open End)	Bronze	B140
4	4	Cover Bolt	Stainless Steel	18-8	13B	1	Packing Nut	Bronze	B140
5	1	Clapper Screw & Nut	Stainless Steel	316	13C	4	Teflon Packing	Teflon	-----
6	1	Clapper End Cap	Bronze	C89833	14	1	Screw	Stainless Steel	18-8
7	1	Clapper Arm	Bronze	C89833	14A	3	Key Stock	Stainless Steel	18-8
8	1	Clapper Plate	Bronze	C89833	15	1	Lever Arm (Epoxy Coated)	Ductile Iron	65-45-12
9	1	Seat Ring	Bronze	C89833	15A	1	Bolt	Stainless Steel	18-8
10	1	Seat Ring O-Ring	Buna-N	N6000AA	15B	1	Weight (Epoxy Coated)	Cast Iron	A126
11A	1	Clapper Shaft	Stainless Steel	17-4	15C	1	Bolt	Stainless Steel	18-8

Optional resilient seat (Nitrile) available, add "R" to end of part number

## Dimensions (125# ANSI B16.1 Flanges)

Size		Part #	A		B		C		D		Weight	
inch	mm		inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg
6	150	3709LW	14	356	10-3/4	273	8-17/32	217	9-7/32	234	224	102

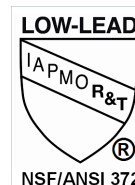
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**FLOMATIC** VALVES

November 19, 2004  
Dwg No: S3707LW Rev H (8/23)

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## INSTALLATION OPERATION & MAINTENANCE INSTRUCTION FOR FLOMATIC SERIES

### 4" & 6" 92, 92LW, 92LS SWING CHECK VALVES

#### INSTALLTION INSTRUCTIONS:

1. INSURE ALL SHIPPING WEDGES ARE REMOVED FROM CLAPPER ASSEMBLY.
2. CHECK VALVE FOR OPERATION BY LIFTING LEVER ARM OR CLAPPER ASSEMBLY.
3. INSTALL CHECK VALVE WITH FLOW ARROW IN DIRECTION OF FLOW.
4. VALVE MAY BE INSTALLED VERTICALLY OR HORIZONTALLY.

#### INSPECTION DISASSEMBLY:

1. ISOLATE VALVE FROM SYSTEM PRESSURE BY CLOSING UPSTREAM AND DOWNSTREAM SHUT-OFF VALVES.
2. REMOVE COVER BOLTS.
3. REMOVE COVER AND O-RING.
4. LIFT CLAPPER ASSEMBLY AND INSPECT VALVE SEAT RING AND CLAPPER ASSEMBLY FOR DAMAGE. REPLACE PARTS IF NECESSARY.

#### VALVE REASSEMBLY:

1. AFTER REPLACEMENT OR INSPECTION OF INTERNAL COMPONENTS, REASSEMBLE VALVE IN REVERSE ORDER OF DISASSEMBLY INSTRUCTIONS.
2. IF VALVE LEAKS AROUND SHAFT PACKING, TURN PACKING NUT CLOCKWISE UNTIL LEAKING HALTS.

### RECOMMENDED SPARE PARTS FOR FLOMATIC 4" & 6" SERIES 92, 92LW, 92LS

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
8	CLAPPER PLATE	1
9	SEAT RING	1
13C	PACKING	A/R
14A	SHAFT KEY	3
3	COVER O-RING	1
12	BEARING O-RING	2
10	SEAT RING O-RING	1

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