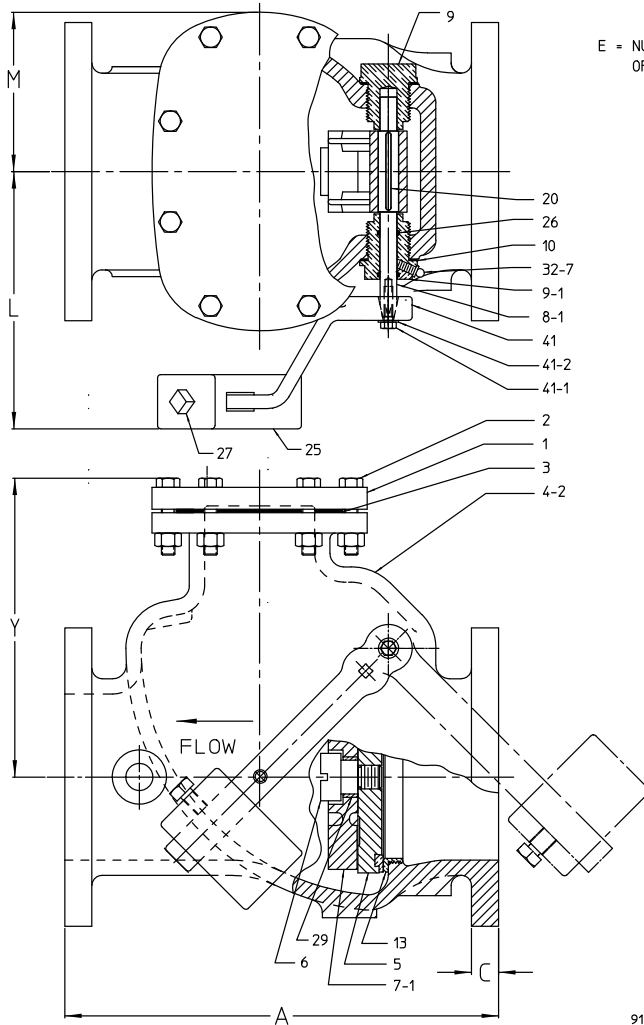
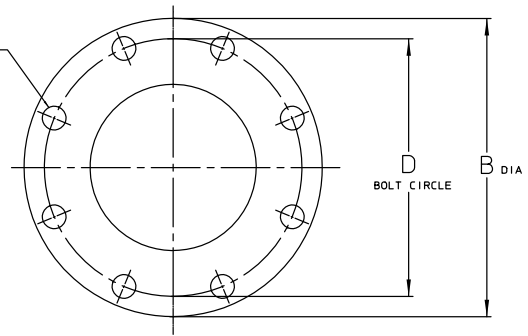


AMERICAN Flow Control Submittal Information

3" - 16" SERIES 52SC LEVER & WEIGHT SWING CHECK VALVE



E = NUMBER & SIZE
OF BOLT HOLES



Ref. No.	Description	Material
1	Bonnet	Gray iron ASTM A126 Class B
2	Bonnet Bolts & Nuts	Plated Steel
3	Bonnet Gasket	Composition Rubber
4-2	Flanged Ends Case	Gray Iron ASTM A126 Class B
5	Disc	See Note 5
6	Disc Stud	Bronze
7-1	Clapper Arm	Ductile Iron ASTM A536 Grade 65-45-12
8-1	Clapper Arm Shaft Assembly	See Note 6
9	Retainer Plug	Bronze ASTM B763 UNS C86700
9-1	Retainer Plug for Lever	Bronze ASTM B763 UNS C86700
10	Retainer Plug Gasket	Composition Rubber
13	Seat Ring	Bronze ASTM B763 UNS C84400
20	Shaft Key	Stainless Steel ASTM A582 Type 416
25	Weight	Gray Iron ASTM A126 Class B
26	O-Ring	Carboxylated Nitrile
27	Weight Set Screw	Steel
29	Disc Stud Bushing	Bronze
32-7	Grease Fitting	Steel
41	Lever	Ductile Iron ASTM A536 Grade 65-45-12
41-1	Lever Bolt	0304 Stainless Steel
41-2	Lever Washer	0304 Stainless Steel

91-21438

Size	3	4	6	8	10	12	14	16
A	11.00	13.00	16.00	19.50	24.50	27.50	31.00	32.50
B	7.50	9.00	11.00	13.50	16.00	19.00	21.00	23.50
C	0.75	0.94	1.00	1.13	1.19	1.25	1.38	1.44
D	6.00	7.50	9.50	11.75	14.25	17.00	18.75	21.25
E	4 - 0.75	8 - 0.75	8 - 0.88	8 - 0.88	12 - 1.00	12 - 1.00	12 - 1.13	16 - 1.13
L	5.85	6.57	9.43	10.66	12.35	13.01	15.56	16.96
M	3.94	4.50	5.88	7.13	8.19	9.38	11.25	12.25
Y	7.38	9.00	10.75	12.75	14.75	18.00	20.38	21.75
Weight	61 lbs.	98 lbs.	167 lbs.	274 lbs.	445 lbs.	620 lbs.	1010 lbs.	1180 lbs.

NOTES:

- Construction, materials and testing comply with ANSI/AWWA C508.
- End flanges conform to ANSI B16.1 Class 125 or ANSI/AWWA C110/A21.10.
- Valves have manufacturer's name, pressure class and year of manufacture cast on side of case.
- All gray iron is ASTM A126 Class B.
- Disc on 3" is bronze, ASTM B763, UNS C99500. 4" and above are gray iron with bronze face disc. Disc has lug on outside diameter to prevent rotation.
- Clapper arm shaft is stainless steel ASTM A582 Type 416. Assembly includes lever, lever bolt, lever washer and shaft key.
- Lever is furnished on side and position shown unless otherwise specified. Lever shown by dot and dash lines is the position furnished when valve is to be installed in a vertical line with upward flow.
- Working pressure - 3" - 12" - 200 psig. - 14" - 16" - 150 psig.



AMERICAN
FLOW CONTROL

THE RIGHT WAY

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