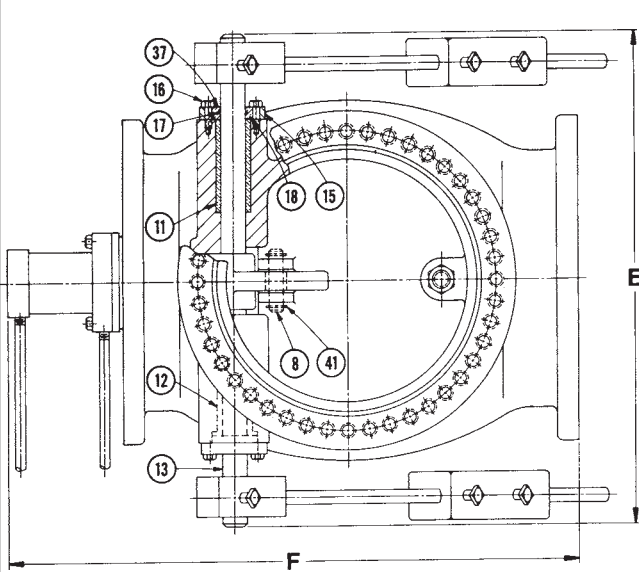
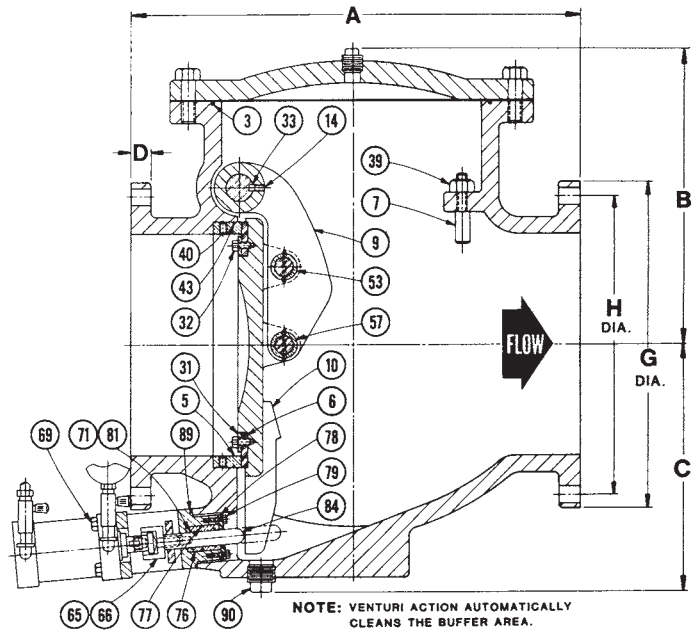
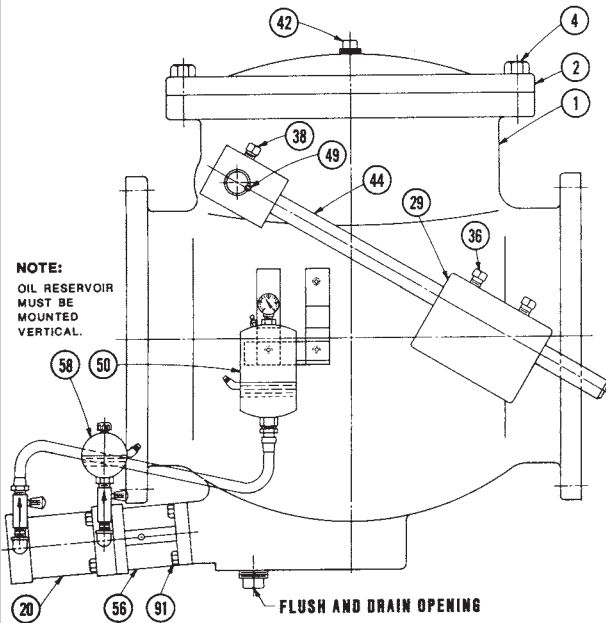


CUSHIONED SWING CHECK VALVE OIL CONTROL BOTTOM BUFFER



VALVE SIZE	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"	54"	60"	66"
MODEL NO.	6008B	6010B	6012B	6014B	6016B	6018B	6020B	6024B	6030B	6036B	6042B	6048B	6054B	6060B	6066B
A	18	23	28	33	36	40	40	48	56	63	70	78	87	97	108
B	12	14 $\frac{1}{4}$	16	19 $\frac{3}{4}$	24	24	26	30	37 $\frac{7}{8}$	45	56	51	63	66	68
C	10 $\frac{1}{4}$	13 $\frac{3}{4}$	17 $\frac{1}{2}$	21	21 $\frac{1}{4}$	22	24	26	31	36	39	41	52	58	64
E	25	30	31 $\frac{1}{2}$	46	46	58	64	67	77	83	98	115	130	140	152
F	28	33 $\frac{1}{2}$	42	48	50	56	60	65	76	86	95	108	120	130	140
G	13 $\frac{1}{2}$	16	19	21	23 $\frac{1}{2}$	25	27 $\frac{1}{2}$	32	38 $\frac{3}{4}$	46	53	59 $\frac{1}{2}$	66 $\frac{1}{4}$	73	80
H	11 $\frac{3}{4}$	14 $\frac{1}{4}$	17	18 $\frac{3}{4}$	21 $\frac{1}{4}$	22 $\frac{3}{4}$	25	29 $\frac{1}{2}$	36	42 $\frac{3}{4}$	49 $\frac{1}{2}$	56	62 $\frac{3}{4}$	69 $\frac{1}{4}$	76
D	1 $\frac{1}{8}$	1 $\frac{3}{16}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{7}{16}$	1 $\frac{1}{2}$	1 $\frac{11}{16}$	1 $\frac{7}{8}$	2 $\frac{1}{8}$	2 $\frac{3}{8}$	2 $\frac{5}{8}$	2 $\frac{3}{4}$	3	3 $\frac{1}{8}$	3 $\frac{7}{16}$
DIA. OF HOLES	7/8	1	1	1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	2	2	2
NO. OF HOLES	8	12	12	12	16	16	20	20	28	32	36	44	44	52	52
G	15	17 $\frac{1}{2}$	20 $\frac{1}{2}$	23	25 $\frac{1}{2}$	28	30 $\frac{1}{2}$	36	43	50	57	65	TO BE SUPPLIED BY CUSTOMER		
H	13	15 $\frac{1}{4}$	17 $\frac{3}{4}$	20 $\frac{1}{4}$	22 $\frac{1}{2}$	24 $\frac{3}{4}$	27	32	39 $\frac{1}{4}$	46	52 $\frac{3}{4}$	60 $\frac{3}{4}$			
D	1 $\frac{5}{8}$	1 $\frac{7}{8}$	2	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{8}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{3}{8}$	3 $\frac{11}{16}$	4			
DIA. OF HOLES	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{3}{8}$	1 $\frac{3}{8}$	1 $\frac{5}{8}$	2	2 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$			
NO. OF HOLES	12	16	16	20	20	24	24	28	32	36	40				

- NOTE:**
- SIZES 8", 10" AND 12" HAVE ONLY ONE COUNTERWEIGHT. (RIGHT SIDE)
 - LEVER ARM EXTENDS BEYOND OUTLET FLANGE.
 - SPECIFY IF OTHER THAN HORIZONTAL INSTALLATION BECAUSE ANGLE OF LEVER ARM AND OIL RESERVOIR MUST BE CHANGED.



DET.	DESCRIPTION	MATERIAL	DET.	DESCRIPTION	MATERIAL
1	BODY	CAST IRON ASTM A126 Gr. B	39	DISC STOP LOCK NUT	STAINLESS STEEL 18-8
2	COVER	CAST IRON ASTM A126 Gr. B	40	SEAT RETAINING SET SCREW	STAINLESS STEEL 18-8
3	COVER SEAL	BUNA-N	41	TENSION PIN	STAINLESS STEEL (COMMERCIAL)
4	COVER BOLT	STEEL ASTM A307 Gr. B	42	COVER PIPE PLUG	MALLEABLE IRON
5	BODY SEAT RING	ALUMINIUM BRONZE ASTM B148	43	BODY SEAT SEAL	BUNA-N
6	DISC SEAT	BUNA-N	44	COUNTERWEIGHT ARM ASSEMBLY	STEEL AISI 1018
7	DISC STOP	STAINLESS STEEL ASTM A582 T303	49	COUNTERWEIGHT ARM KEY	STEEL AISI 1018
8	DISC PIN	STAINLESS STEEL ASTM A582 T303	50	BOTTOM MOUNTED PIPING DETAIL	
9	DISC ARM	DUCTILE IRON ASTM A536 65-45-12	53	PIVOT SLEEVE BEARING	BRONZE ASTM B584
10	DISC	DUCTILE IRON ASTM A536 65-45-12	56	DASHPOT SPACER	DUCTILE IRON ASTM A536 65-45-12
11	PIVOT SHAFT STRAIGHT BUSHING	BRONZE ASTM B584	57	DISC ARM SLEEVE	BRONZE ASTM B584
12	PIVOT SHAFT FLANGED BUSHING	BRONZE ASTM B584	58	OIL RESERVOIR	STEEL AISI 1018
13	PIVOT SHAFT	STAINLESS STEEL ASTM A582 T303	65	CYLINDER ROD COUPLER	ALLOY STEEL H. T.
14	DISC ARM SET SCREW	STAINLESS STEEL 18-8	66	CYLINDER ROD ADAPTER	ALLOY STEEL H. T.
15	PIVOT SHAFT COVER	CAST IRON ASTM A126 Gr. B	69	CYLINDER MOUNTING BOLT	STEEL ASTM A307 Gr. B
16	PIVOT SHAFT COVER BOLT	STEEL ASTM A307 Gr. B	71	BUFFER ROD SEAL	BUNA-N
17	PIVOT SHAFT SEAL	BUNA-N	76	BUFFER ROD BUSHING	BRONZE ASTM B584
18	PIVOT SHAFT COVER SEAL	BUNA-N	77	BUFFER ROD BUSHING SEAL	BUNA-N
20	HYDRAULIC DASHPOT CYLINDER	STEEL (COMMERCIAL)	78	BUFFER ROD BUSHING RETAINING RING	STEEL AISI 1018
29	COUNTERWEIGHT	CAST IRON ASTM A126 Gr. B	79	BUFFER ROD BUSHING RET. RING SCREW	STAINLESS STEEL 18-8
31	SEAT RETAINING RING	ALUMINIUM BRONZE ASTM B148	81	BUFFER ROD SEAL BACK-UP NUT	PARBAK COMPOUND
32	SEAT RETAINING RING SCREW	STAINLESS STEEL 18-8	84	BUFFER ROD	STAINLESS STEEL ASTM A582 T303
33	PIVOT SHAFT KEY	STAINLESS STEEL ASTM A276 T304	89	DASHPOT SPACER SEAL	BUNA-N
36	COUNTERWEIGHT ARM SET SCREW	ALLOY STEEL H. T.	90	DRAIN PLUG	MALLEABLE IRON
37	PIVOT SHAFT SEAL RETAINER	BRONZE ASTM B584	91	DASHPOT SPACER MOUNTING BOLT	STEEL ASTM A307 Gr. B
38	LEVER ARM SET SCREW	ALLOY STEEL H. T.			

DATE
09-01-03



DRWG. NO.
S-6000B

SPECIFICATIONS OTHER SIDE

CERTIFIED BY: DATE:

APCO[®] SPECIFICATIONS

SERIES 6000B CUSHIONED SWING CHECK VALVE - OIL CONTROL BOTTOM BUFFER

The Cushioned Swing Check Valve shall be cast iron per AWWA C508 with integral flanges (not Wafer) and have a centrifugally cast bronze body seat. The body shall have a flush and drain hole. The seat shall be locked in place with stainless steel lock screws and be field replaceable without the use of special tools. The Pivot shaft shall be (1) piece hi-strength T303 steel, extending thru both sides of the body with a lever and weight mounted on each side.

The disc shall be Ductile iron, utilizing a double clevice hinge, to prevent disc tipping, and be connected to a Ductile iron disc arm. The disc seat shall be Buna-N (replaceable) to provide water tight shut-off. The disc arm assembly shall be suspended from the stainless steel shaft.

The valve must have a bottom hydraulic buffer to permit free open, but positive non-slam control closure of the disc. The hydraulic buffer shall make contact with the disc during the last 10% of closure to control the valve disc until shut-off in a manner to prevent slam and water hammer. The last 10% of closure shall be externally adjustable to suit operating conditions. The hydraulic buffer and oil system shall be removable without need to remove the entire valve and the oil system shall be totally independent from the main line to prevent corrosion or contamination to the main line media.

Materials shall be certified to the following A.S.T.M. specifications:

Body /cover	Cast iron	ASTM A126 Gr. B
Disc arm/disc	Ductile iron	ASTM A536
Seat	Aluminum bronze or Stainless steel	ASTM B148 (Engineer ASTM A276 select one)
Pivot shaft	Stainless steel	ASTM A582 T303
Disc seat	Buna-N or metal	To suit
Buffer cylinder	Steel	Commercial
Buffer rod	Stainless Steel	ASTM A582 T303
Exterior Paint	Universal Primer	FDA Approved for Potable Water

Valve to be APCO Series 6000B Cushioned Swing Check Valve with Oil Control Bottom Buffer, as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.