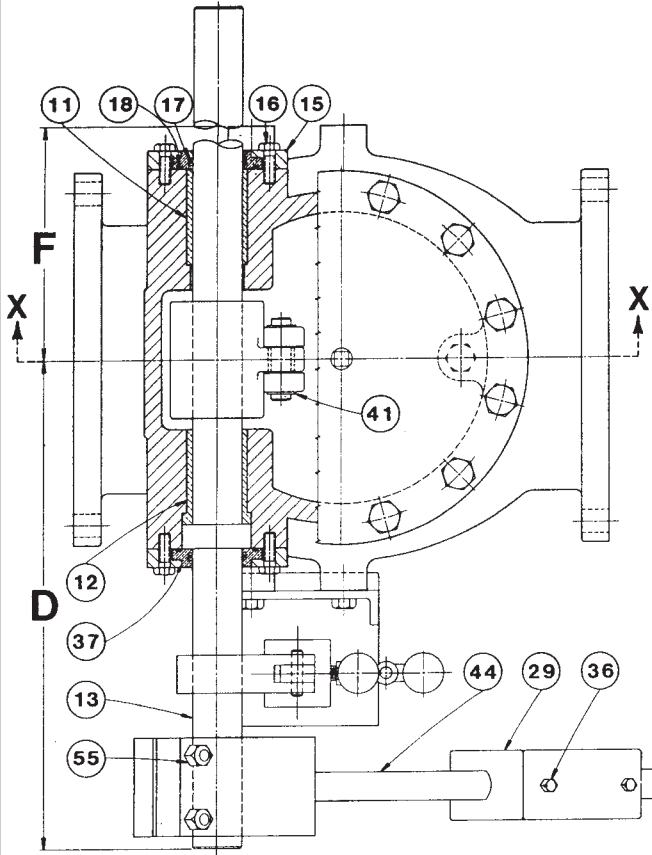


CONVERTIBLE CUSHIONED SWING CHECK VALVE

AIR CUSHION SIDE MOUNTED

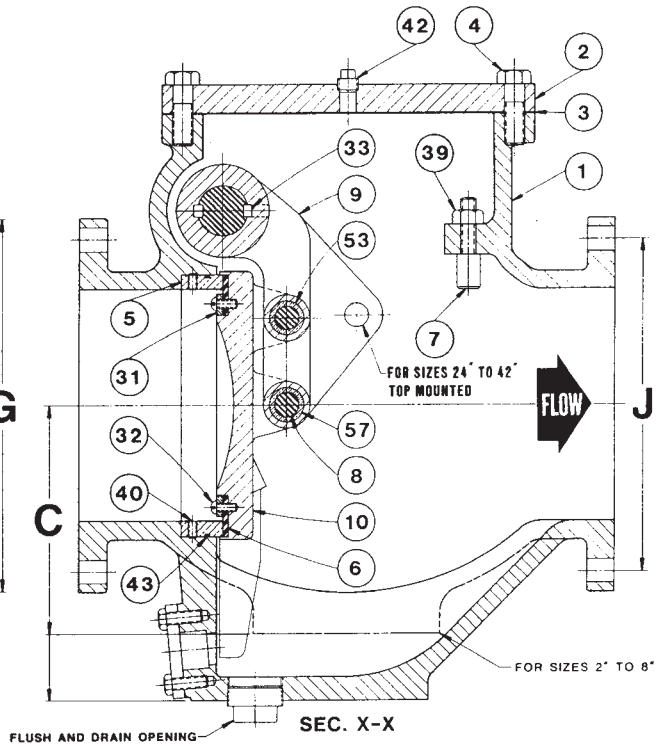
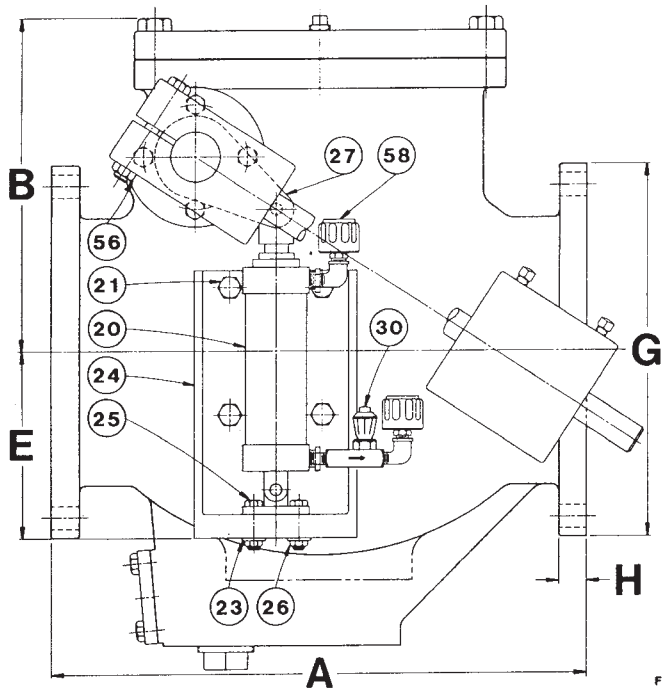


VALVE SIZE	2"	2 1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"	54"	60"	66"
MODEL No.	6002C	6002C	6003C	6004C	6006C	6008C	6010C	6012C	6014C	6016C	6018C	6020C	6024C	6030C	6036C	6042C	6048C	6054C	6060C	6066C
A	9	12	12	13	17 1/2	18	23	28	33	36	40	40	48	56	63	70	78	87	97	108
B	5 1/2	6 1/2	7	7 1/2	10	12	14 1/2	16 1/2	20 1/2	22 1/2	24	25 1/2	28	37 1/2	44 1/2	55 1/2	51	63	66	68
C	3 1/2	4	4 1/2	5	6 1/2	7 1/2	13	15	16 1/2	20	21	22 1/2	25 1/2	33 1/2	37 1/2	41	52	58	64	
D	13 1/2	13 1/2	13 1/2	14	17	16 1/2	21	22	26	27 1/2	29	32	33 1/2	38 1/2	41 1/2	49	60	65	70	76
E	10 1/2	9 1/2	10	9	10 1/2	8 1/2	8 1/2	8 1/2	10 1/2	9 1/2	8 1/2	8 1/2	5 1/2	9 1/2	5	1	6	16	27	39
F	5	5 1/2	5 1/2	6	8 1/2	8 1/2	10	11 1/2	13 1/2	14 1/2	16	17 1/2	20	24	27	33	38	43	46	50 1/2
G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
H	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
I	6	7	7 1/2	9	11	13 1/2	18	19	21	23 1/2	25	27 1/2	32	38 1/2	46	53	59 1/2	66 1/2	73	80
J	8	11	11	15	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	2 1/2	2 1/2	2 1/2	3	3 1/2	3 1/2	3 1/2	3 1/2
K	4 1/2	5 1/2	6	7 1/2	9 1/2	11 1/2	14 1/2	17	18 1/2	21 1/2	22 1/2	25	29 1/2	36	42 1/2	49 1/2	56	62 1/2	69 1/2	76
L	3 1/2	4	4	4	8	8	8	12	12	16	16	20	20	28	32	36	44	48	52	52
M	3 1/2	4	4	4	8	8	8	12	12	16	16	20	20	28	32	36	44	48	52	52
N	6 1/2	7 1/2	8 1/2	10	12 1/2	15	17 1/2	20 1/2	23	25 1/2	28	30 1/2	36	43	50	57	65			
O	7 1/2	8 1/2	9 1/2	11 1/2	14 1/2	17 1/2	20 1/2	23 1/2	26 1/2	29 1/2	32 1/2	35 1/2	43	50	57	65				
P	5	5 1/2	6	7 1/2	10 1/2	13	15 1/2	17 1/2	20 1/2	22 1/2	24 1/2	27	32	39 1/2	46	52 1/2	60 1/2			
Q	4	4	4	4	8	8	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
R	8	8	8	8	12	12	16	16	20	20	24	24	24	28	32	36	40			

SPECIFY IF OTHER THAN HORIZONTAL INSTALLATION. ANGLE OF WEIGHT LEVER AND OIL RESERVOIR MUST BE CHANGED.

DET.	DESCRIPTION	MATERIAL	DET.	DESCRIPTION	MATERIAL
1	BODY	CAST IRON ASTM A126 Gr. B	25	EYE BRACKET MOUNTING BOLT	STEEL ASTM A307 Gr. B
2	COVER	CAST IRON ASTM A126 Gr. B	26	EYE BRACKET BOLT NUT	STEEL ASTM A307 Gr. B
3	COVER GASKET	LEXIDE (NON-ASBESTOS)	27	CYLINDER LEVER	DUCTILE IRON ASTM A538
4	COVER BOLT	STEEL ASTM A307 Gr. B	28	COUNTERWEIGHT	CAST IRON ASTM A48 Cl. 30
5	BODY SEAT RING	ALUMINIUM BRONZE ASTM B148	30	FLOW CONTROL VALVE	BRASS
6	DISC SEAT	BUNA-N	31	SEAT RETAINING RING	ALUMINIUM BRONZE ASTM B148
7	DISC STOP	STAINLESS STEEL T303	32	SEAT RETAINING RING SCREW	STAINLESS STEEL 18-8
8	DISC PIN	STAINLESS STEEL T303	33	PIVOT SHAFT KEY	STAINLESS STEEL 18-8
9	DISC ARM	DUCTILE IRON ASTM A538	36	COUNTERWEIGHT ARM SET SCREW	ALLOY STEEL HT
10	DISC T	CAST IRON ASTM A126 Cl. B	37	PIVOT SHAFT SEAL RETAINER	BRONZE ASTM B584
11	PIVOT SHAFT STRAIGHT BUSHING	BRONZE ASTM B584	38	DISC STOP LOCK NUT	STAINLESS STEEL 18-8
12	PIVOT SHAFT FLANGED BUSHING	BRONZE ASTM B584	40	SEAT RETAINING SET SCREW	STAINLESS STEEL 18-8
13	PIVOT SHAFT	STAINLESS STEEL T303	41	DISC PIN RETAINING RING	STAINLESS STEEL
15	PIVOT SHAFT COVER	CAST IRON ASTM A48 Cl. 30	42	COVER PIPE PLUG	MALLEABLE IRON
16	PIVOT SHAFT COVER BOLT	STEEL ASTM A307 Gr. B	43	BODY SEAT SEAL	BUNA-N
17	PIVOT SHAFT SEAL	BUNA-N	44	COUNTERWEIGHT ARM ASSEMBLY	DUCTILE IRON/STEEL
18	PIVOT SHAFT COVER SEAL	BUNA-N	53	PIVOT SLEEVE BEARING	BRONZE ASTM B584
20	PNEUMATIC CYLINDER	ALUMINIUM	55	LEVER ARM BOLT	ALLOY STEEL HT
21	CYLINDER BRACKET MOUNTING BOLT	STEEL ASTM A307 Gr. B	56	LEVER ARM BOLT NUT	STEEL
23	EYE BRACKET LOCK WASHER	STEEL	57	DISC ARM SLEEVE	BRONZE ASTM B584
24	CYLINDER BRACKET	STEEL	58	AIR BREATHER	STEEL

*DISC MATERIAL IS DUCTILE IRON ASTM A538 ON 10" AND UP.



CERTIFIED BY: _____
DATE: _____

DATE
09-01-03



DRWG. NO.
S-6000C

SPECIFICATIONS OTHER SIDE

APCO[®] SPECIFICATIONS

SERIES 6000C CONVERTIBLE CUSHIONED SWING CHECK VALVE - AIR CUSHION SIDE MOUNTED

Air Cushion Swing Check Valve body shall be cast iron per AWWA C508 having integral (not Wafer) flanges.

The seat shall be centrifugally cast bronze with an O-ring seal and be locked in place with stainless steel lock screws and be field replaceable without the use of special tools.

The Pivot shaft shall be single and continuous stainless steel extending both sides of the body with a lever and weight, using an air cushion cylinder side mounted.

The air cushion cylinder shall be constructed of corrosion-resistant material and the piston shall be totally enclosed within the cylinder and not open at one end.

The cushion cylinder assembly shall be externally attached to the right side of the valve body looking downstream and be adjustable to cushion the closure of the valve. Cushioning shall be by air trapped in the cushion cylinder which shall be fitted with a one way adjustable control check valve to cushion disc contact to the seat at the shut-off point. The bottom cylinder head shall be swivel mounted (not rigid) to follow the change of angular force as the lever rises or lowers to open or close the check valve.

This valve shall prevent back-flow of the media on normal pump shut-off or power failure at zero velocity and be water tight.

The disc shall be cast iron utilizing a double clevice hinge connected to a Ductile iron disc arm. The disc arm assembly shall be suspended from a stainless steel shaft which passes thru a seal retainer on both sides of the valve body.

Valve exterior to be painted with Universal Primer Paint as accepted by the FDA for use in contact with Potable Water.

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

Body, cover, disc	Cast iron	ASTM A126 Gr.B
Disc arm	Ductile iron	ASTM A536
Seat	Aluminum bronze	ASTM B148
Disc Seat	Buna-N	
Cushion cylinder	Hard coated aluminum	Commercial

Valve to be APCO Series 6000C Convertible Cushioned Swing Check Valve - Air Cushion Side Mounted as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.