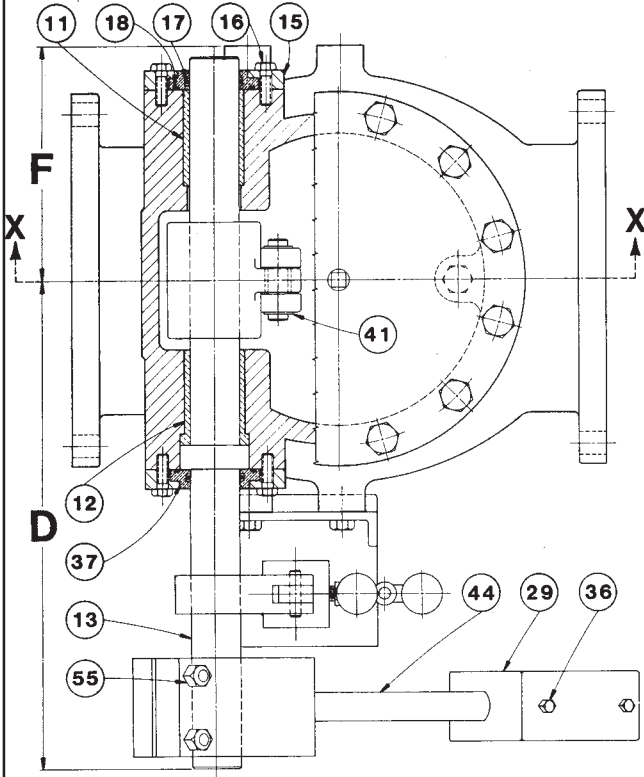


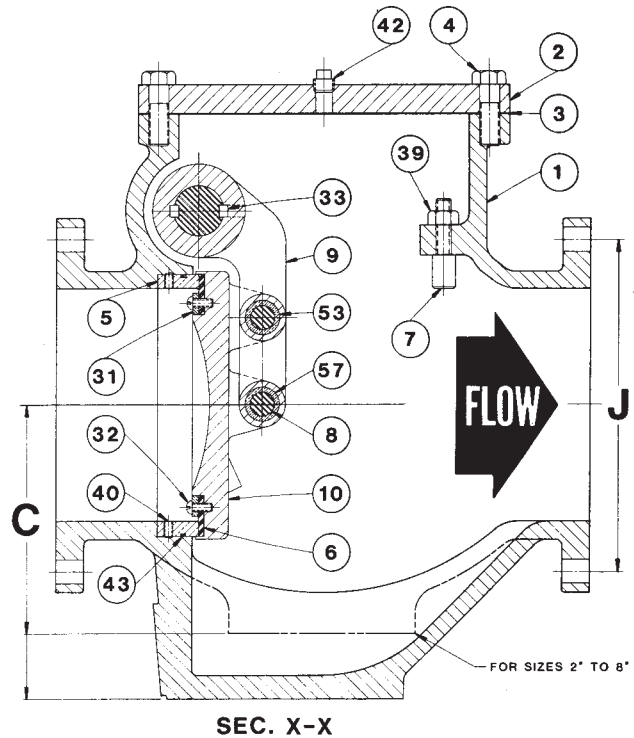
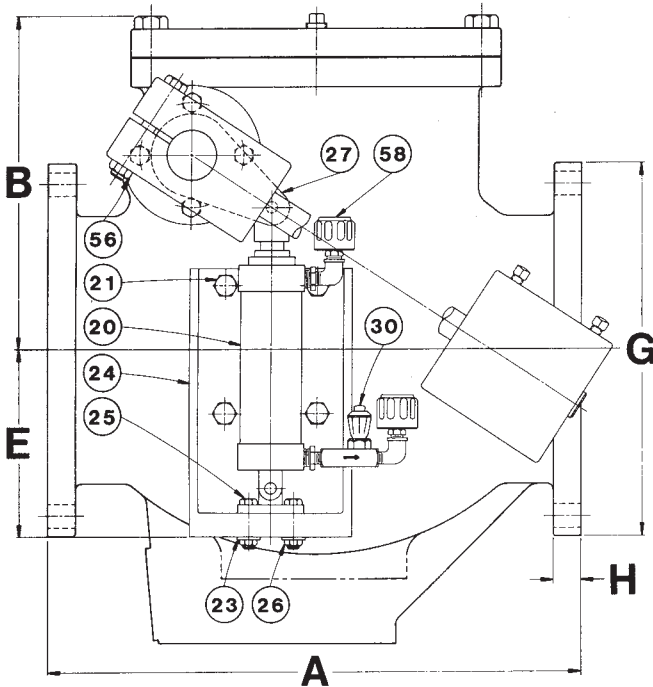
# CUSHIONED SWING CHECK VALVE

## AIR CUSHIONED SIDE MOUNTED



VALVE SIZE	2"	2½"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"	54"	60"	66"	
A	9	12	12	13	17½	18	23	28	33	36	40	40	48	56	63	70	78	87	97	108	
B	6	7	7	7½	10	12	14½	16	19½	21	24	26	30	38	45	56	50	63	66	68	
C	10½	10½	10½	10½	14	10½	9	14	16	18	22	22	24½	26	31	36	39	41	52	58	64
D	13½	13½	13½	14	17	16½	21	22	26	27½	29	32	33½	38½	41½	49	60	65	70	76	
E	10½	9½	10	9	10½	8½	8½	8½	10½	9½	8½	8½	5	9½	5	1	6	16	27	39	
F	5	5½	5½	6	8	8	10	11½	13½	14	16	17½	20	24	27	33	38	43	46	50½	
NO. OF CYLINDER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
MODEL NO.	6002	6002	6003	6004	6006	6008	6010	6012	6014	6016	6018	6020	6024	6030	6036	6042	6048	6054	6060	6066	
125 LB. CLASS	G	6	7	7½	9	11	13½	16	19	21	23½	25	27½	32	38½	46	53	59½	66½	73	80
H	4	5	5½	6	7½	9	11	13½	16	19	21	23½	25	27½	32	38½	46	53	59½	66½	73
J	4½	5½	6	7	9	11	13½	16	19	21	23½	25	27½	32	38½	46	53	59½	66½	73	80
250 LB. CLASS	G	6½	7½	8½	10	12½	15	17½	20	23	25½	28	30½	36	43	50	57	65			
H	4	5	5½	6	7½	9	11	13½	16	19	21	23½	25	27½	32	38½	46	53	59½	66½	73
J	5	5½	6	7	9	11	13½	16	19	21	23½	25	27½	32	38½	46	53	59½	66½	73	80
TO BE SUPPLIED BY CUSTOMER																					

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	CAST IRON ASTM A126 Cl. B	37	PIVOT SHAFT SEAL RETAINER	BRONZE ASTM B664
11	PIVOT SHAFT STRAIGHT BUSHING	BRONZE ASTM B664	38	DISC STOP LOCK NUT	STAINLESS STEEL 18-8
12	PIVOT SHAFT FLANGED BUSHING	BRONZE ASTM B664	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	63	PIVOT SLEEVE BEARING	BRONZE ASTM B664
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 B664
24	CYLINDER BRACKET	STEEL	58	AIR BREATHER	STEEL



CERTIFIED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

DATE  
**09-01-03**



DRWG. NO.  
**S-6000**

SPECIFICATIONS OTHER SIDE

# APCO<sup>®</sup> SPECIFICATIONS

## SERIES 6000 CUSHION 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 aluminum 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 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 and 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 clevis 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 6000 Cushion Swing Check Valve - Air Cushion Side Mounted, as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.