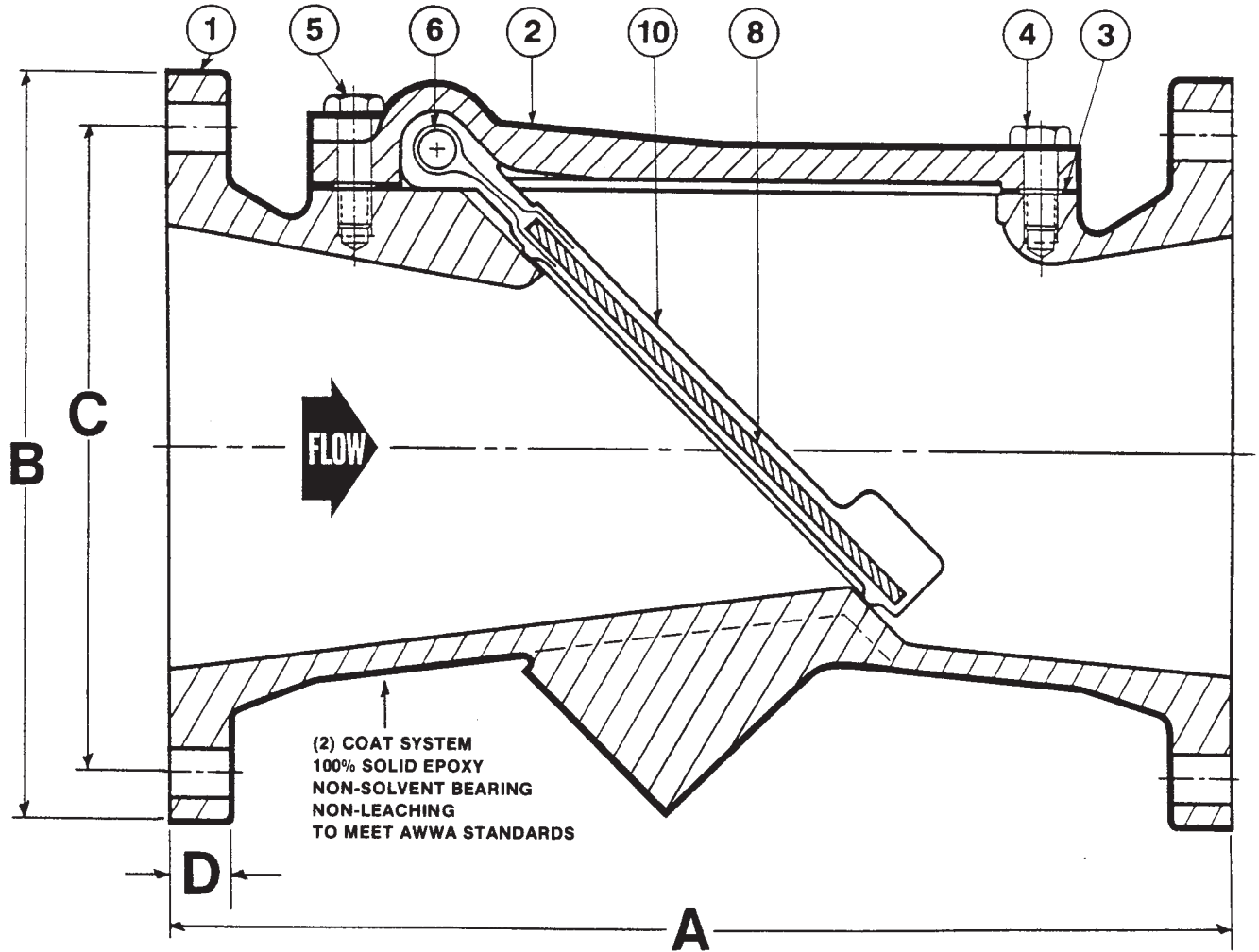


RUBBER FLAPPER SWING CHECK VALVE

(for BURIED AND UNDERWATER SERVICE)



APPLICATION INFORMATION REQUIRED :

OPERATING PRESSURE _____ psi.

MEDIA _____

TEMPERATURE _____ ° F.

CERTIFIED BY: _____

DATE: _____

MODEL No.	102U	102½U	103U	104U	104P3U	105U	106U	108U	110U	112U	114U	116U	118U	120U	124U
SIZE	2"	2½"	3"	4"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
A	8	8½	9½	11½	13¾	13¾	15	19½	24½	27½	31	32	36	40	48
B	6	7	7½	9	9	10	11	13½	16	19	21	23½	25	27½	32
C	4¾	5½	6	7½	7½	8½	9½	11¾	14¼	17	18¾	21½	22¾	25	29½
D	⅝	⅞	¾	⅞	⅞	⅞	1	1⅛	1⅜	1½	1⅝	1⅞	2	2¼	2⅝
SIZE of HOLES	¾	¾	¾	¾	¾	7/8	7/8	7/8	1	1	1⅛	1⅛	1¼	1¼	1⅝
No. of HOLES	4	4	4	8	8	8	8	8	12	12	12	16	16	20	20

DET.No.	DESCRIPTION	MATERIAL
1	BODY	CAST IRON ASTM A126 GRADE B
2	COVER	CAST IRON ASTM A126 GRADE B
3	GASKET	LEXIDE
4	COVER BOLTS	S/S 1B-8
5	COVER BOLTS	S/S 1B-8
6	PIN	HRS. AISI 1018
8	METAL PLATE	STEEL ASTM A 36
10	RUBBER FLAPPER	BUNA-N

NOTE: Metal plate (8) and pin (6) on flapper are totally encapsulated

DATE
09-01-03



DRWG. NO.
S-100U

SPECIFICATIONS OTHER SIDE



SPECIFICATIONS

SERIES 100U RUBBER FLAPPER SWING CHECK VALVE (FOR BURIED OR UNDER WATER SERVICE)

The Rubber Flapper Swing Check Valve shall have a heavily constructed cast iron body and cover. The body shall be long pattern design (not Wafer), with integrally cast-on end flanges. The flapper shall be Buna-N having an "O" ring seating edge and be internally reinforced with steel.

Flapper to be captured between the body and the body cover in a manner to permit the flapper to flex from closed to full open position during flow through the valve. Flapper shall be easily removed without need to remove valve from the line. Check valves to have full pipe size flow area. Seating surface to be on a 45° angle requiring the flapper to travel only 35° from closed to full open position for minimum head loss and non-slam closure.

Buna-N flapper (70 Duro) creates an elastic spring effect to assist the flapper to close against a slight head to prevent slamming.

Valve designed for 175 psi (or higher) working pressure for water, oil or gas. The valve shall be suitable for buried or under water service and be fitted with stainless steel cover bolts.

Valve exterior to be coated with (2) coat system - 100% solid epoxy - non-solvent bearing - non-leaching to meet with AWWA standards.

Materials of construction shall be certified in writing to conform to A.S.T.M. specifications as follows:

Body and Cover	Cast Iron	ASTM A126, Gr.B
	Bronze	ASTM 584
	Stainless steel	ASTM A296
	Ductile Iron	ASTM A536
Flapper	Buna-N or other elastomers	
Exterior Paint	Universal Metal Primer	FDA Approved for potable water contact

Note: Other materials available.

Valve to be APCO Series 100U Swing Check Valve with Air Cushion Cylinder, as supplied by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.