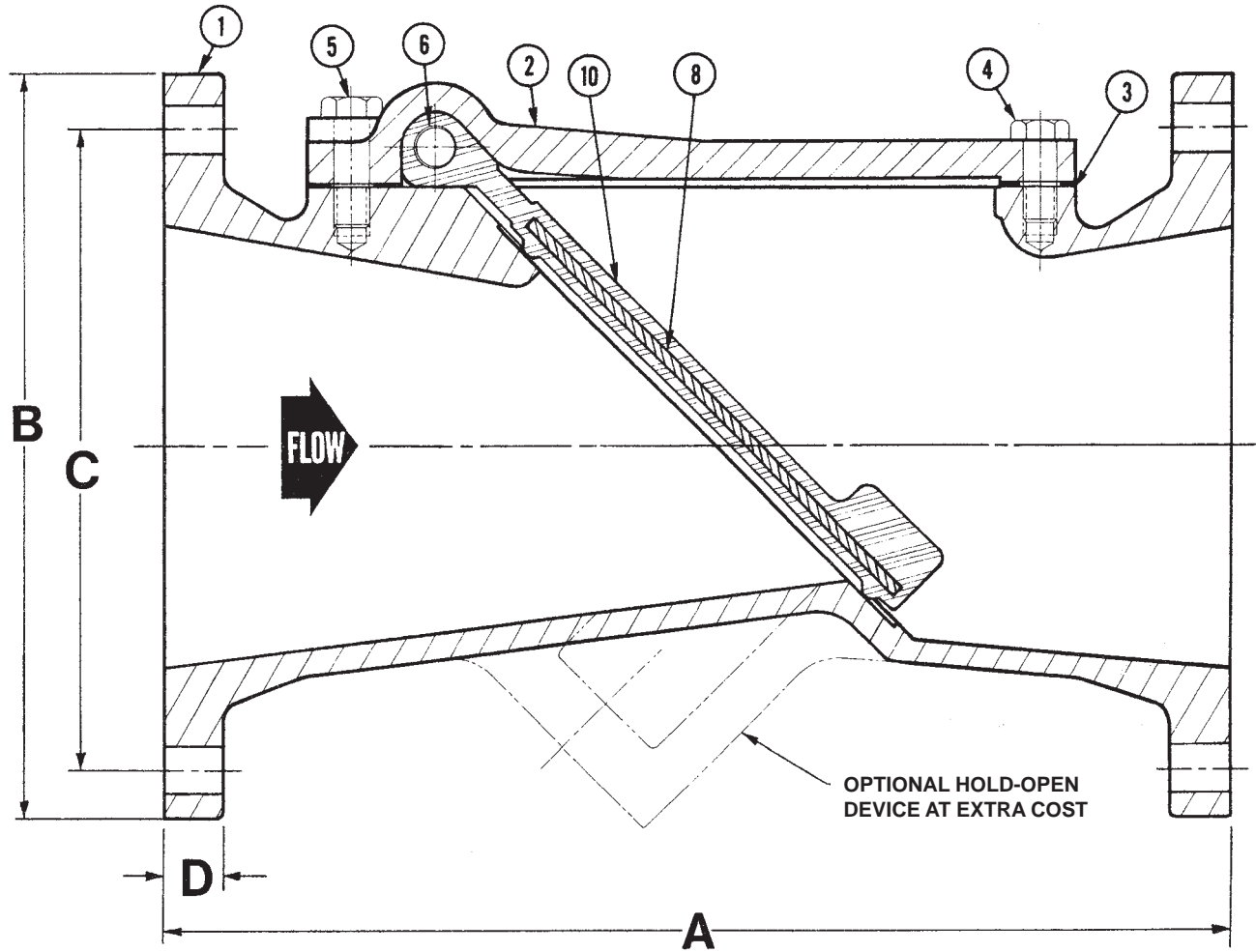


RUBBER FLAPPER SWING CHECK VALVE



APPLICATION INFORMATION REQUIRED :

OPERATING PRESSURE _____ psi.

MEDIA _____

TEMPERATURE _____ °F.

CERTIFIED BY: _____

DATE: _____

MODEL No.	102	102½	103	104	104P3	105	106	108	110	112	114	116	118	120	124
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	5/8	11/16	¾	15/16	15/16	15/16	1	1 1/8	1 3/16	1 ¼	1 5/8	1 7/16	1 9/16	1 11/16	1 7/8
SIZE of HOLES	¾	¾	¾	¾	¾	7/8	7/8	7/8	1	1	1 1/8	1 1/8	1 ¼	1 ¼	1 3/8
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 <small>ASTM A 126 GRADE B</small>
2	COVER	CAST IRON <small>ASTM A 126 GRADE B</small>
3	GASKET	LEXIDE
4	COVER BOLTS	STEEL <small>ASTM A 307 GRADE B</small>
5	COVER BOLTS	STEEL <small>ASTM A 307 GRADE B</small>
6	PIN	HRS. <small>AISI 1018</small>
8	METAL PLATE	STEEL <small>ASTM A 36</small>
10	RUBBER FLAPPER	BUNA-N

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

NOTE: LARGER SIZES AVAILABLE

DATE
09-01-03



DRWG. NO.
S-100

SPECIFICATIONS OTHER SIDE

APCO[®] SPECIFICATIONS

SERIES 100 RUBBER FLAPPER SWING CHECK VALVE

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 the valve from the line. Check Valve 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 (higher pressure available) working pressure for water, oil or gas. The Valve shall be suitable for buried service with stainless cover bolts.

When essential to create back-flow thru the check valve or to prime or back-flush a clogged pump, an external back-flow device can be furnished 3" thru 24". (Not for buried service).

Valve exterior to be painted Universal Metal Primer for high resistance to corrosion.

The Valve Manufacturer shall have been regularly engaged in the design and manufacture of Rubber Flapper Swing Check Valves for at least five years and shall submit a list of at least five separate installations in service for a minimum of five years for engineer approval prior to release to manufacture.

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

Body & Cover	Cast Iron	ASTM A126 Gr. B or Ductile Iron ASTM A536
Rubber Flapper	Buna-N	

Note: Other Materials Available

Valve to be APCO Series 100 Rubber Flapper Swing Check Valve, as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.