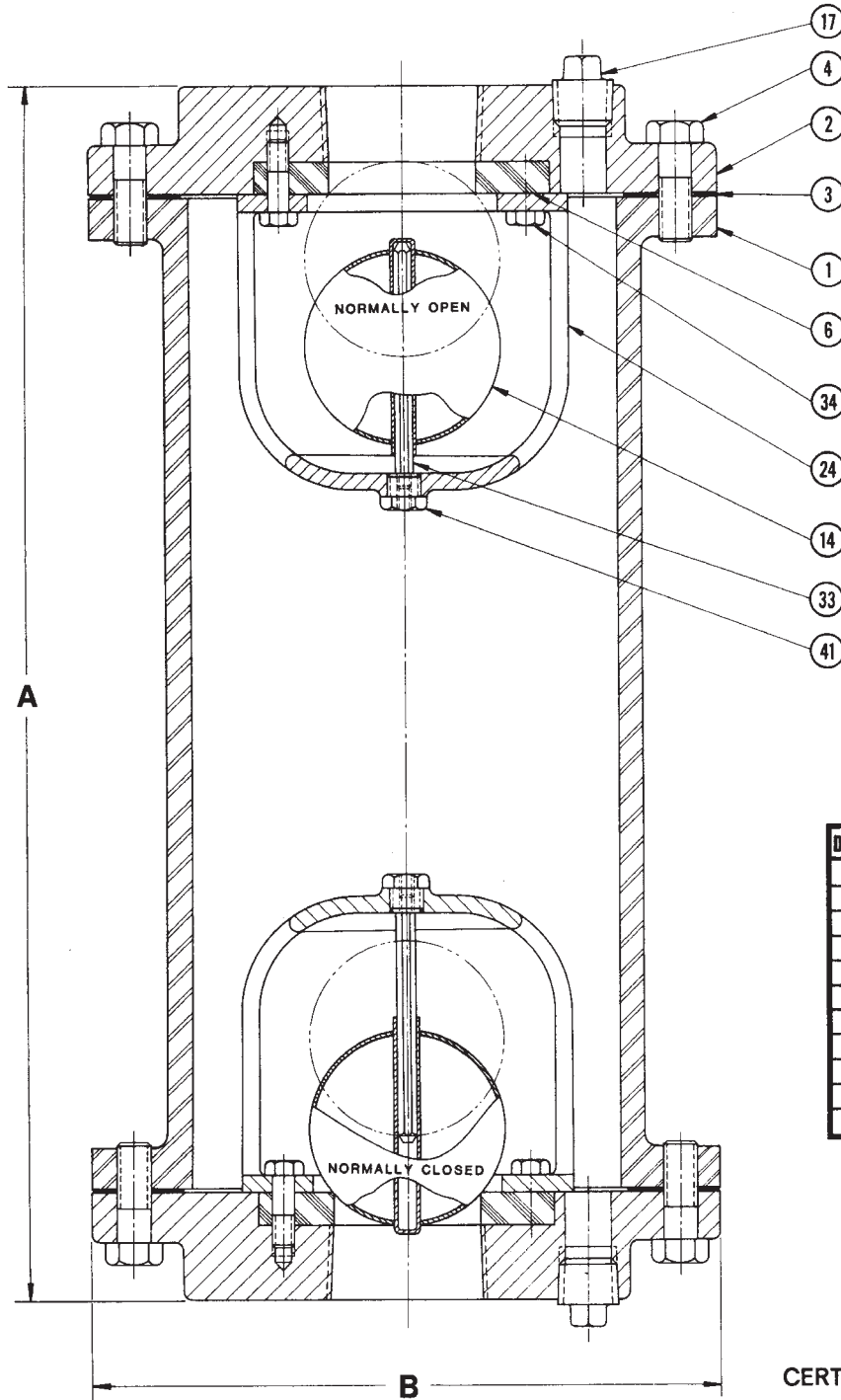


NEGATIVE PRESSURE VALVE



MODEL NO:	170	171	172	173
VALVE SIZE	1/2"	1"	2"	3"
A	14"	17"	19"	21 1/4"
B	5 1/8"	6 7/8"	9 1/2"	9 1/2"

DET.	DESCRIPTION	MATERIAL
1	Body	Steel ASTM A519
2	Cover	Cast Iron ASTM A48 Cl. 30
3	Gasket	Lexide (Non Asbestos)
4	Cover Bolt	Steel ASTM A307 Gr. B
6	Seat	Buna-N
14	Float	Stainless Steel ASTM A240
17	Cover Pipe Plug	Steel Comm'l.
24	Baffle	Cast Iron ASTM A48 Cl. 30
33	Float Guide	Brass ASTM B16
34	Baffle Screw	Stainless Steel 18-8
41	Baffle Plug	Brass ASTM B16

CERTIFIED BY: _____

DATE: _____

DATE
09-01-03



DRWG. NO.
S-170

SPECIFICATIONS OTHER SIDE

APCO[®] SPECIFICATIONS

SERIES 170 NEGATIVE PRESSURE VALVE

The function of this Negative Pressure Valve shall be to provide for air exhaust without air intake, so that a vacuum condition can be maintained in the pipe to which the Negative Pressure Valve is connected. The Negative Pressure Valve shall incorporate two independently operating stainless steel floats, each self contained and guided within its own baffle system. One baffle system shall be fastened to the inlet cover and second fastened to the outlet cover.

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Each float shall have a male hexagonal guide within a bushing to center guide the float into the Buna-N seat.

The hexagonal guide shall create a cleansing action within the guide bushing to prevent sticking.

The Buna-N seats below must be compression molded with a hardness not to exceed 40 durometer for tight shut-off at 5 psi and/or negative pressure. The seat shall be fastened into the counterbore of the valve cover without distortion and be easily replaceable in the field.

The inlet and outlets of the valve shall be tapered female pipe threads of the same size.

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

Body	Steel	ASTM A519
Cover & Baffle	Cast iron	ASTM A48, Class 30
Float	Stainless steel	ASTM A240
Seat	Buna-N	
Exterior Paint	Universal Primer	FDA Approved for Potable Water

Valve to be APCO Series 170 Negative Pressure Valve as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.