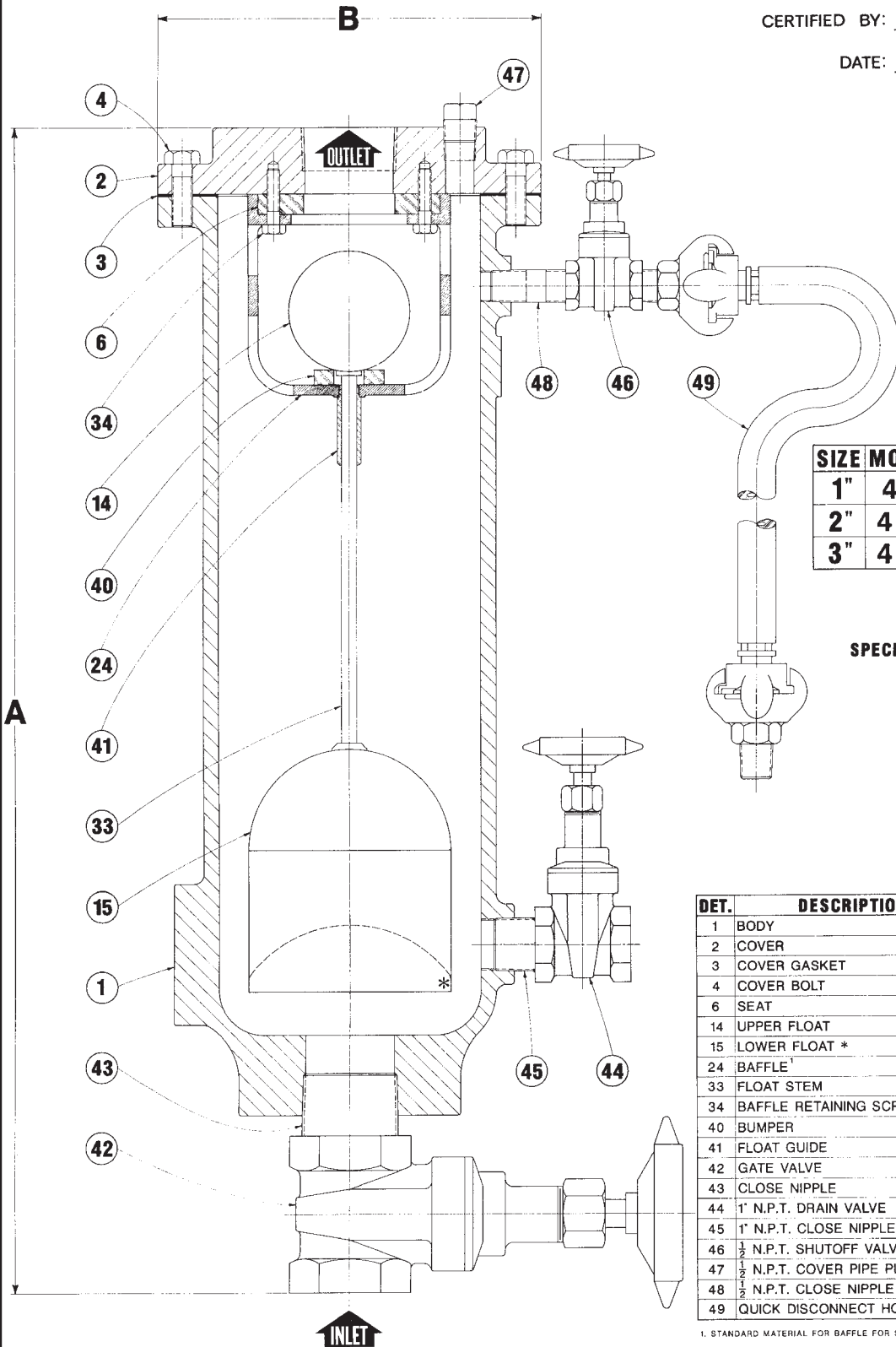


SEWAGE AIR / VACUUM VALVE WITH ATTACHMENTS

CERTIFIED BY: _____

DATE: _____



SIZE	MODEL NO.	INLET	OUTLET	A	B
1"	401WA	2" NPT	1" NPT	20	7
2"	402WA	2" NPT	2" NPT	23 $\frac{1}{2}$	9 $\frac{1}{2}$
3"	403WA	3" NPT	3" NPT	23 $\frac{3}{4}$	9 $\frac{1}{2}$

SPECIFY OPERATING PRESSURE _____ PSI

DET.	DESCRIPTION	MATERIAL
1	BODY	CAST IRON ASTM A126 GR. B
2	COVER	CAST IRON ASTM A126 GR. B
3	COVER GASKET	LEXIDE
4	COVER BOLT	STEEL ASTM A307 GR. B
6	SEAT	BUNA-N
14	UPPER FLOAT	STAINLESS STEEL ASTM A240 T304
15	LOWER FLOAT *	STAINLESS STEEL ASTM A240 T304
24	BAFFLE ¹	DELTRIN ASTM D2133
33	FLOAT STEM	STAINLESS STEEL ASTM A582 T303
34	BAFFLE RETAINING SCREW	STAINLESS STEEL 18-8
40	BUMPER	BUNA-N
41	FLOAT GUIDE	STAINLESS STEEL ASTM A582 T303
42	GATE VALVE	BRASS (COMMERCIAL)
43	CLOSE NIPPLE	STEEL (COMMERCIAL)
44	1" N.P.T. DRAIN VALVE	BRASS (COMMERCIAL)
45	1" N.P.T. CLOSE NIPPLE	STEEL (COMMERCIAL)
46	$\frac{1}{2}$ " N.P.T. SHUTOFF VALVE	BRASS (COMMERCIAL)
47	$\frac{1}{2}$ " N.P.T. COVER PIPE PLUG	STEEL (COMMERCIAL)
48	$\frac{1}{2}$ " N.P.T. CLOSE NIPPLE	STEEL (COMMERCIAL)
49	QUICK DISCONNECT HOSE ASS'Y	COMMERCIAL

1. STANDARD MATERIAL FOR BAFFLE FOR SIZE 3" IS CAST IRON ASTM A126 GR. B

* CONCAVE FLOAT PATENTED

DATE
09-01-03

APCO *Willamette*
VALVE AND PRIMER CORPORATION

DRWG. NO.
S-401WA

SPECIFICATIONS OTHER SIDE

APCO[®] SPECIFICATIONS

SERIES 401WA SEWAGE AIR / VACUUM VALVE WITH ATTACHMENTS

The Sewage Air / Vacuum Valve shall permit unrestricted venting of air during filling of the force main and unrestricted entry of air into the force main under vacuum conditions due to force main break, or draining of main to prevent pipeline collapse due to vacuum. When force main is filled and pressurized the Sewage Air / Vacuum Valve shall shut-off. The Sewage Air / Vacuum Valve shall have two (2) stainless steel floats connected by a common stainless steel float stem to maintain an air gap between the lower Concave Float and upper spherical shut-off float, thereby retarding the waste solids from clogging the upper shut-off float. The internal baffle will protect the upper shut-off float from direct air flow and it shall also retain the Buna-N seat in place without distortion for tight shut-off or easy removal. The upper float shall be protected from vacuum impact with a Rubber Bumper. Both floats shall withstand 500 psi or more. The Sewage Air / Vacuum Valve shall include quick disconnect hose and blow-off valves to permit flushing without dismantling.

The Sewage Air / Vacuum Valve inlet shall be 2" or 3" NPT and the outlet 1", 2" or 3" NPT (Engineer select size inlet and outlet).

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

Body, cover	Cast iron	ASTM A126 Gr. B
Baffle (1" & 2")	Delrin	ASTM D4181
Baffle (3")	Cast iron	ASTM A126 Gr. B
Upper float	Stainless steel	ASTM A240 T304
Lower Concave Float (Patented)	Stainless steel	ASTM A240 T304
Seat	Buna-N	
Exterior Paint	Universal primer	FDA Approved for Potable Water Contact

Note: Other materials available.

401 Height - with back-flushing attachments 20"
402 & 403 Height - with back-flushing attachments 23-3/4"

Valve to be APCO Model 1" - 401WA or Model 2" - 402WA or Model 3" - 403WA Sewage Air / Vacuum Valve with attachments, as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.