



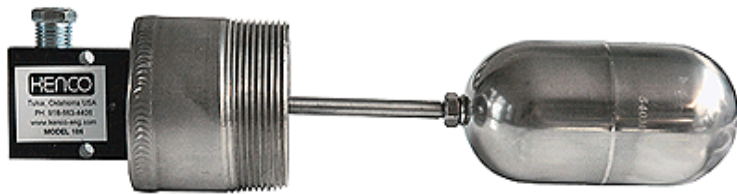
PNEUMATIC FLOAT SWITCH (WATER MAKE-UP VALVE)

MODEL 106

- * Pneumatic dump valve controller for low pressure scrubbers
- * Low liquid level switch for cooling water expansion tanks
- * Automatic water make-up for cooling water expansion tanks
- * Low or high level switch for monitoring levels in tanks

DESIGN DATA FOR MODEL 106

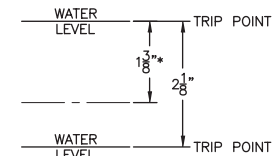
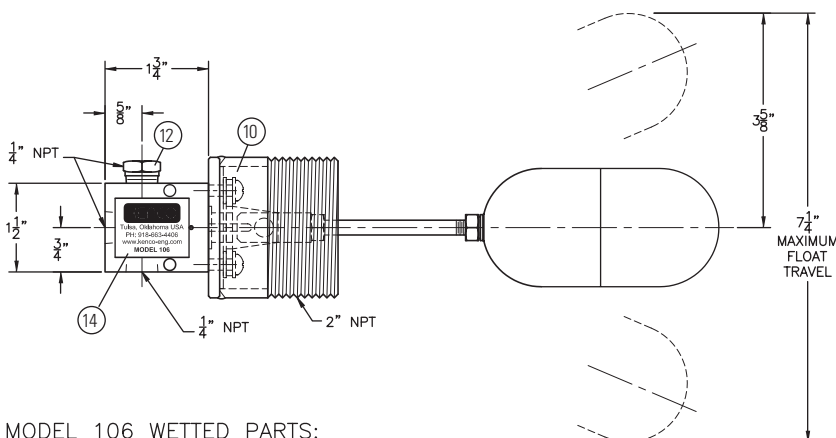
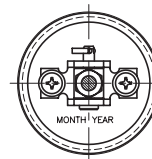
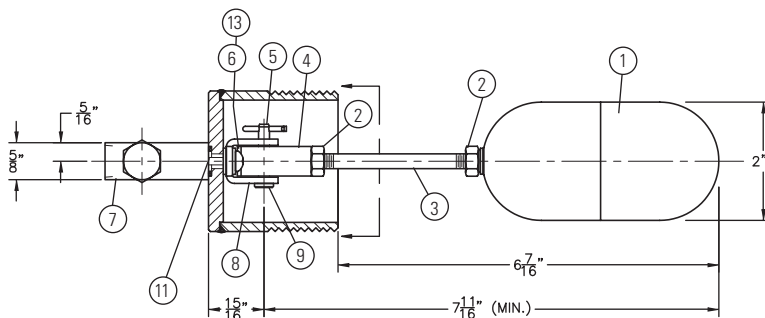
- * Maximum Operating Pressure - 100 psi.
- * Float Operating Specific Gravity - 1.00 or greater (Consult factory for applications with a lower specific gravity.)
- * Water Flow rate through Micro Valve - 0.68GPM @ 60 psi. (valve is snap-acting for minimum gas or air requirement)
- * Valve Connections - 1/4" Female NPT
- * Switch Mounting - 2" NPT
- * Materials of Construction - Stainless steel, anodized aluminum and nitrile rubber wetted parts



MODEL 106 PARTS LIST

ITEM#	PART#	QTY.	DESCRIPTION
1	A-540M	1	float (304 stainless steel)
2	A-1959	2	1/4"-20 UNC hex nut (18-8 stainless steel)
3	A-989	1	float arm (303 stainless steel)
4	A3790	1	float arm adapter (303 stainless steel)
5	A-3947	1	3/32" x 1/2" cotter pin (stainless steel)
6	A-4044	2	10-32 UNF x 5/8" lg. round head machine screw (18-8 stainless steel)
7 *	A-1103	1	anodized aluminum pneumatic switch
8	A-3791	1	float arm hinge (304 stainless steel)
9	A-3946	1	3/16" x 1" clevis pin (stainless steel)
10	A-3854	1	switch housing (303/304 stainless steel)
11	A-1885	1	Buna-N O-Ring
12	A-1937	1	1/4" pipe plug (carbon steel)
13	A-11241	4	no. 10 Stat-O-Seal (302/304 stainless steel and Buna-N)
14	A-9857	1	decals (vinyl)

*stainless steel switch available, consult factory for options (106-SS)



* THIS DIMENSION WILL BE BELOW CENTER LINE IF SWITCH OR ENTIRE ASSEMBLY IS ROTATED 180°. TRIP DIMENSIONS ARE BASED ON TESTS WITH WATER. TRIP POINTS MAY VARY WITH LIQUIDS OTHER THAN WATER.

MODEL 106 WETTED PARTS:

18-8/302/303/304 STAINLESS STEEL
BUNA-N
ALUMINUM

MODEL 106-SS WETTED PARTS:

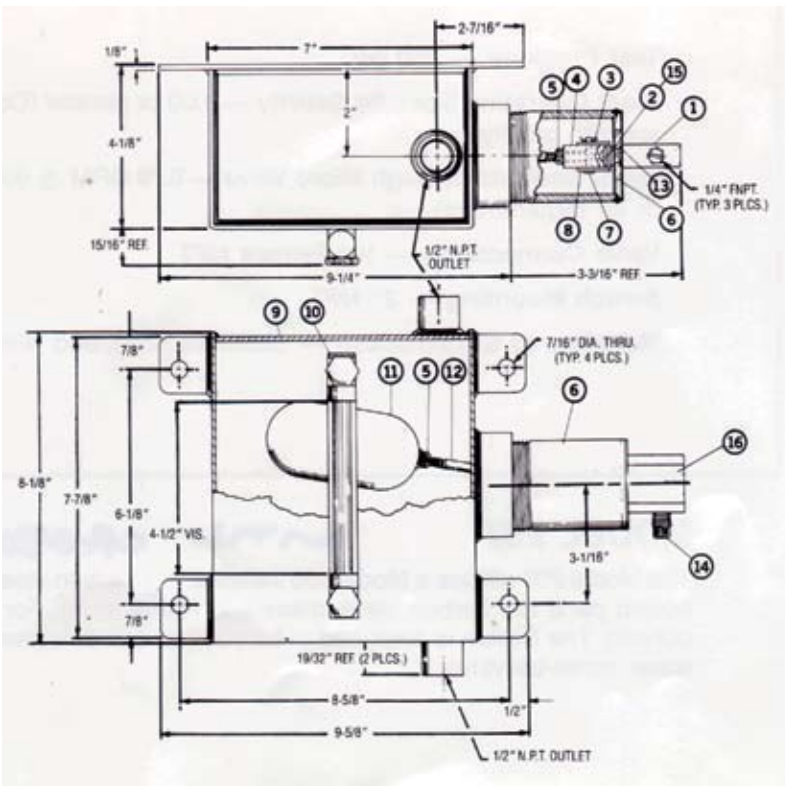
18-8/302/303/304/316 STAINLESS STEEL
VITON

DIMENSIONAL NOTE:
DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE.



MODEL 207

The Model 207 utilizes a Model 106 installed in a carbon steel tank. The tank features a sight glass and the wetted parts are carbon steel, glass and Nitrile seals. For dimensional detail, see reverse side of this bulletin. The Switch is designed to function as **either** a pneumatic high or low switch as an automatic water make-up valve.



MODEL 207 PARTS LIST

ITEM#	PART#	QTY.	DESCRIPTION
1 *	A-1103	1	anodized aluminum pneumatic switch
2	A-4044	2	10-32 UNF x 5/8" lg. round head machine screw (18-8 stainless steel)
3	A-3947	1	3/32" x 1/2" cotter pin (stainless steel)
4	A3790	1	float arm adapter (303 stainless steel)
5	A-1959	2	1/4"-20 UNC hex nut (18-8 stainless steel)
6	A-3854	1	switch housing (303/304 stainless steel)
7	A-3946	1	3/16" x 1" clevis pin (stainless steel)
8	A-3791	1	float arm hinge (304 stainless steel)
9	A-2522	1	tank housing (carbon steel)
10	A-3378	1	sight gauge assembly (carbon steel, Buna-N, Glass)
11	A-540M	1	float (304 stainless steel)
12	A-989	1	float arm (303 stainless steel)
13	A-1885	1	Buna-N O-Ring
14	A-1937	1	1/4" pipe plug (carbon steel)
15	A-11241	4	no. 10 Stat-O-Seal (302/304 stainless steel and Buna-N)
16	A-9857	1	decal (vinyl)

*stainless steel switch available, consult factory for options

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