TECHNICAL SPECIFICATIONS

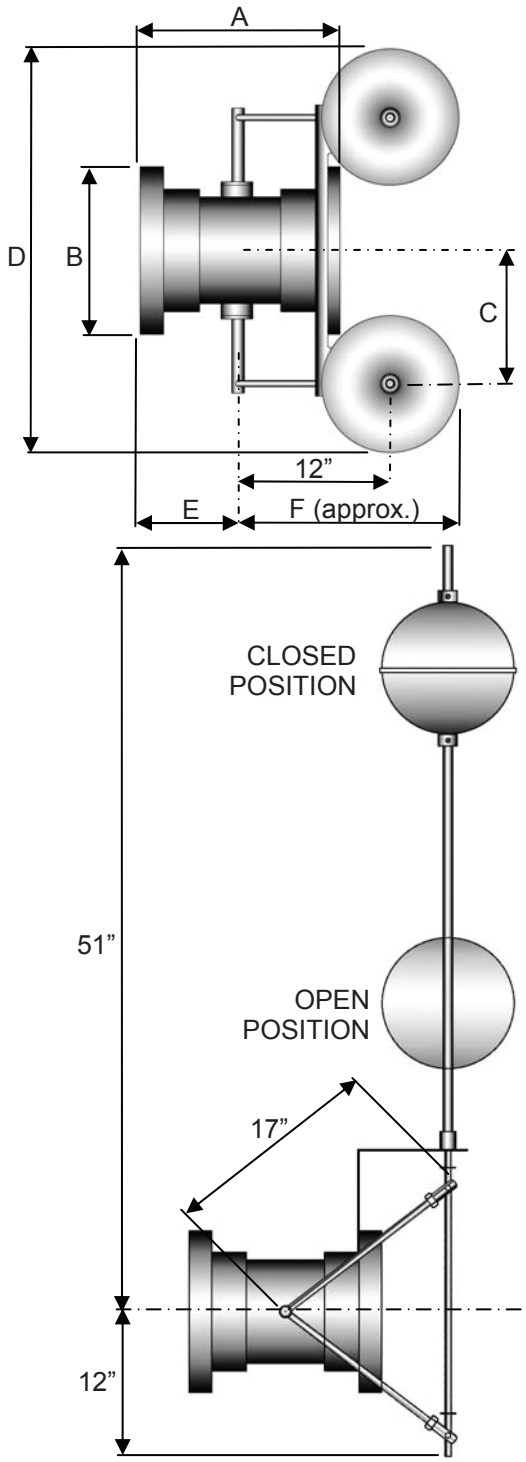
A. Float operated modulating valve shall be designed for submerged service.

B. The housing body shall be fabricated using Sch. 80 PVC pipe with Sch. 80 PVC van stone flanges. The internal wafer shall be 12 gauge T304L material and positioned with 1/8" (± 1/16") clearance around the perimeter. The body shall also incorporate an interior stop plate constructed of PVC to define the allowable range of arm motion. Close fitting Delrin bushings shall be included on the shaft penetrations of the body to provide a seal against water loss and air entrance.

C. The valve shaft shall be T304L material 1" in diameter. Float arms shall securely fasten to shaft using T316SS nuts with washers to provide adjustability. Arms shall be ½" diameter all thread rod T316SS with length as required. Valve sizes 14" – 20" shall have 3/4" square tubing for arms.

D. Ball floats shall be constructed of T304L stainless steel and be 7" in diameter with internal weighting. Floats shall also be adjustable using T316SS nuts with washers as previously described. Provide one (1)/two (2) float arms as shown on the drawings. Valve sizes 14" – 20" shall have 12" diameter cylindrical floats.

E. The float arms shall be hinged to allow for vertical operation. A 12 gauge T304L bracket shall be provided as a guide to maintain the vertical float positions.



All dimensions are in inches							Part Numbers
Size	A	B	C	D	E	F	Dual Float
4	8	9	8 1/2	24	4	15 5/8	DVERTPVC04
6	12 1/8	11	9 1/2	26	6	15 5/8	DVERTPVC06
8	16 1/2	13 1/2	10 3/4	28 1/2	8	15 5/8	DVERTPVC08
10	20 1/4	16	12	28 1/2	10	15 5/8	DVERTPVC10
12	24 1/4	19	13 1/2	34	12	15 5/8	DVERTPVC12
14	36	21	15	42	18	32	DVERTPVC14
16	36	23 1/2	16 1/4	44 1/2	18	32	DVERTPVC16
18	36	25	17	46	18	32	DVERTPVC18
20	36	27 1/2	18 1/4	48 1/2	18	32	DVERTPVC20

R-5/6/11

PVC VERTICAL STYLE BALL FLOAT VALVE

A. Float operated modulating valve shall be designed for submerged service.

B. The housing body shall be fabricated using Sch. 80 PVC pipe with Sch. 80 PVC van stone flanges. The internal wafer shall be 12 gauge T304L material and positioned with 1/8" (± 1/16") clearance around the perimeter. The body shall also incorporate an interior stop plate constructed of PVC to define the allowable range of arm motion. Close fitting Delrin bushings shall be included on the shaft penetrations of the body to provide a seal against water loss and air entrance.

C. The valve shaft shall be T304L material 1" in diameter. Float arms shall securely fasten to shaft using T316SS nuts with washers to provide adjustability. Arms shall be ½" diameter all thread rod T316SS with length as required. Valve sizes 14" – 20" shall have 34" square tubing for arms.

D. Ball floats shall be constructed of T304L stainless steel and be 7" in diameter with internal weighting. Floats shall also be adjustable using T316SS nuts with washers as previously described. Provide one (1)/two (2) float arms as shown on the drawings. Valve sizes 14" – 20" shall have 12" diameter cylindrical floats.

E. The float arms shall be hinged to allow for vertical operation. A 12 gauge T304L bracket shall be provided as a guide to maintain the vertical float positions.

F. Unit shall be as supplied with connections as indicated on drawing manufactured by Neptune-Benson.