

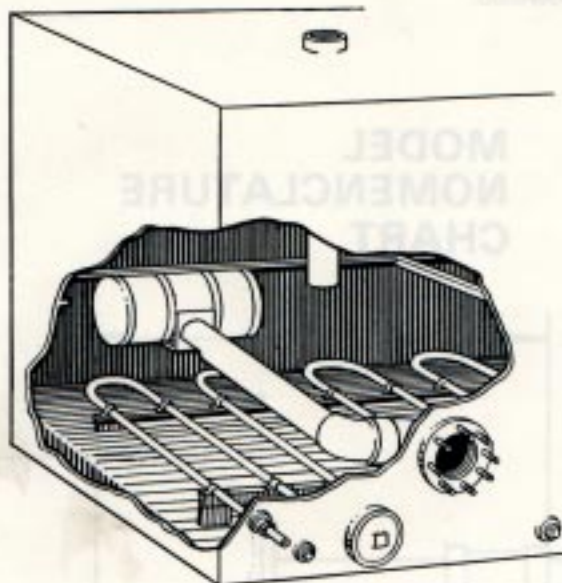
ENERVAC

CORPORATION

Engineers and Manufacturers of

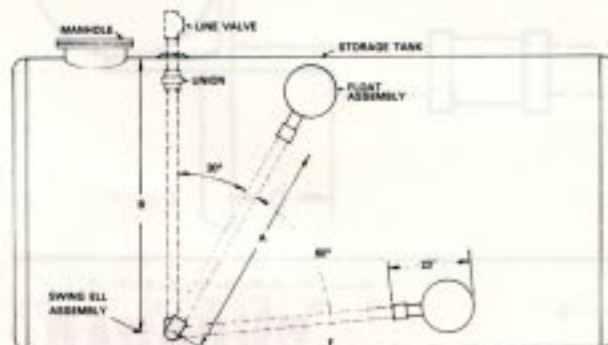
Model E280A

FLOAT SUCTIONS



The Float Suction consists of the float assembly proper, swing elbows and nipple, and is furnished in five standard pipe sizes; 1 1/2", 2", 3", 4" and 6".

The piping is not furnished standard but will be supplied at extra cost when desired. The lengths of these pipes depend upon the size of the tank in which installation is to be made (see below for dimensions).



The Model E280A Float Suction is especially designed and adapted for installation in storage tanks for the purpose of drawing liquids from the top instead of from the bottom of the tank. As its name implies, the floating suction floats on top of the liquid, lowering its position as the level of the liquid falls.

With this arrangement, clear liquid is always drawn from the top of the supply in the tank, thereby preventing any settlings and sediment, which may have precipitated and accumulated at the bottom of the tank, from being drawn into the pipe line.

Model E280A can be installed in either underground or above-ground tanks, providing they are equipped with a manhole through which entrance can be gained into the tank for making the installation.

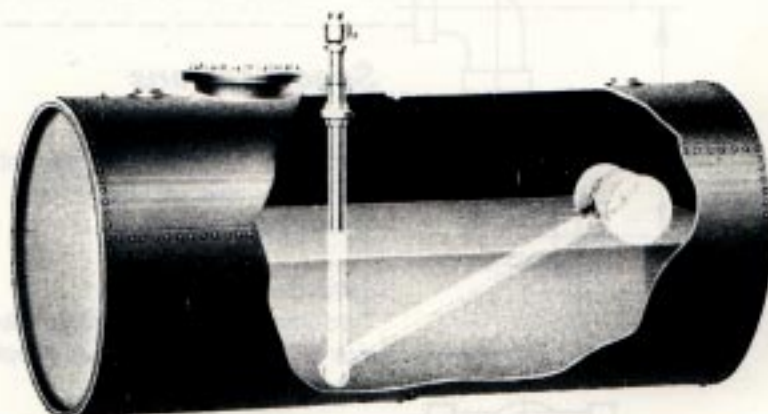


CHART OF PIPE LENGTHS

Tank Dia.	51-7/8"	54"	60"	72"	84"	96"	120"	126"
A	33"	37"	44"	57"	71"	85"	113"	119"
B	48-5/8"	50-3/4"	56-3/4"	68-3/4"	80-3/4"	92-3/4"	116-3/4"	122-3/4"

The above sketch and chart show the dimensions of the vertical and swing pipes for tanks of various diameters.

Float Suctions

Installation Instructions

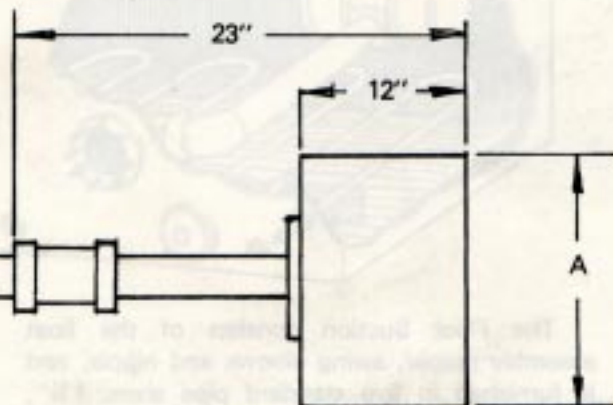
Installation is very simple. An ordinary suction pipe is extended from the top of the tank to the bottom or through the side of an above ground tank. To this suction the swing joint furnished is attached. Another length of pipe extends at right angles or along the bottom of the tank, from this swing joint. At the end of this pipe the float is fastened. This length of pipe must be enough longer than the

diameter or height of the tank to prevent the pipe from swinging upward into a vertical position. The angle of elevation between the vertical and swing pipe should never be less than 30 degrees when the latter is in its topmost position. This will avoid any possibility of the suction pipe sticking, preventing the float from dropping back as the level of the liquid is lowered.

Model E280A —

Pipe Size	A	B	C	D	Float Diam.	Approx. Weights
1 1/2	14"	6"	2"	4"	12	33 lbs.
2	14"	6-1/2"	2-1/4"	4-1/2"	12	36 lbs.
3	24"	8"	3-1/8"	5"	12	57 lbs.
4	24"	9-1/2"	3-3/4"	5"	12	72 lbs.
6	30"	12"	5-1/8"	5-1/2"	12	125 lbs.

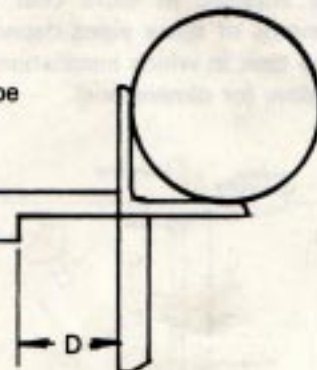
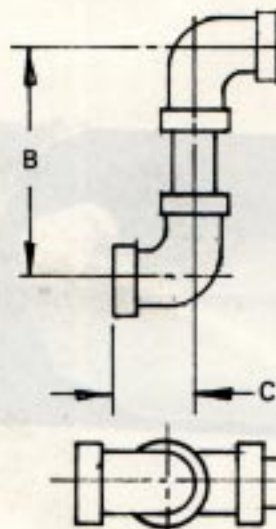
MODEL NOMENCLATURE CHART



Specifications

FLOAT:
Mild Steel — Fabricated assembly manufactured in 1 1/2, 2, 3, 4 and 6 inch pipe sizes N.P.T. Threaded Connections.

SWING JOINT:
Two malleable iron Swing Elbows of respective pipe size and connecting brass Nipple.



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