

ACCESS POLYTHENE TANK 'AB' TYPE WEIR KIT

Description of kit EWTWEIR

These instructions detail the fitment of an 'AB' type weir kit to an above ground polythene water storage tank.

Fitting the Float Valve

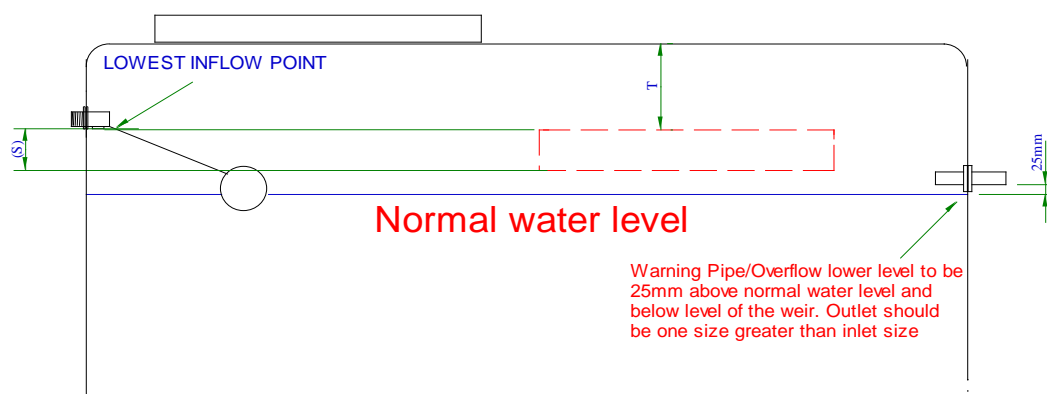
Mark on the outside of the tank a suitable position for the tank float valve. This should be close to the top of the tank ensuring the valve can be accessed from the hatch and the float arm operation is not compromised by internal tank structure.

Drill a 26.5mm hole in the marked position but do not fit the valve at this stage as it will aid measurement of airgap position.

Note: when fitting the float valve ensure it is correctly positioned and secure with the outlet facing downwards, check arm and float are also secure. A float valve support bracket must be fitted on the outside of the tank.

Positioning Weir

Fit the float valve inlet into the drilled hole from the outside of the tank, ensuring the valve is level mark the lowest outlet position of the valve on the outside of the tank. Remove the valve and then measure the distance from the marked point to the top edge of the tank (ensure the measured edge is equal around the top of the tank) note the measurement **(T)**.

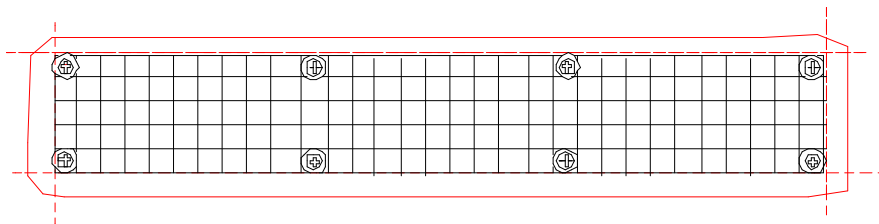


Decide on a suitable position for the weir cut out, away from direct sunlight if possible and a distance from the float valve to prevent water splash when filling the tank. Using the following table and the previous outlet measurement mark out the weir cut out position. The top of the weir must be level with the float valve lowest outlet point eg: the measured distance from the top edge of the tank. Ensure the position as marked is level and edges straight. (See diagram)

Inlet Pipe Size	Weir Width	Weir Height (S)	Weir Position from top edge of tank (T)
20mm	450mm	40mm	?
25mm	450mm	54mm	?

Cutting Weir

Once the weir position is marked out on the tank check once more that it is at the correct level. Using a suitable tool cut out the rectangle as marked ensuring edges are clean and swarf free.



Position the mesh screen and black mesh cover centrally over the cut rectangle (use tape to hold in place if necessary). Secure the mesh and cover to the tank using the self-tapping screws and washers provided ensuring the cover is flat against the tank side. Trim any mesh outside of the cover edges with a sharp knife.

Warning/Overflow Pipe

The overflow is intended to give an early indication of a float valve fault. It can only be fitted after the float valve has been fully installed, it has turned off the water supply and the static/normal water level is known. The overflow consists of a 1" threaded connector fitted with elbows at both ends. Drill a 33mm hole in the tank side with its lowest point 25mm above the static/normal water level. Remove the connector securing nut and white washer, screw tightly onto the short thread one of the elbows. Leaving the black seal in place push the exposed threads through the hole from the inside the tank and ensuring the elbow is pointing downwards secure using the white washer and backnut. Seal the external threads with PTFE tape and screw on the other elbow ensuring when tightened both elbows are pointing downwards. The water level should be close to the internal elbow outlet

Always ensure that after any drilling or cutting of the tank structure all swarf is removed from the inside of the tank.

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