

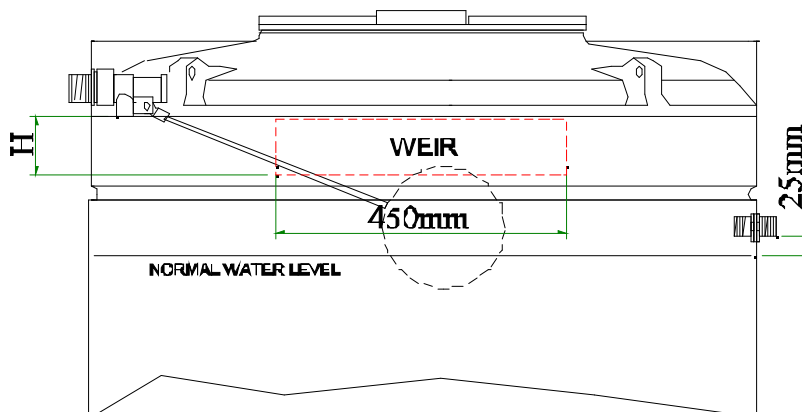
ACCESS POLYTHENE TANK 'AB' TYPE WEIR KIT

Description of kit EWTWEIR

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

Measurements

Water storage tanks are not always moulded the same, therefore it is essential before any drilling or cutting of the tank structure, the position of all components are double checked (Using masking tape on the tank first and marking positions on this will make it clearer).



Airgap

Check the tank sides for a suitable position for the weir cut out:

| Inlet Pipe Size | Weir Width | Weir Height (H) |
|-----------------|------------|-----------------|
| 20mm | 450mm | 41mm |
| 25mm | 450mm | 56mm |
| 32mm | 900mm | 64mm |

For 32mm pipe use 2 kits

- To gain maximum capacity position the airgap as high as practicable.
- Cylindrical tanks have a seam joining the top to the body use this for the top of the airgap if suitable.
- Position on a vertically flat surface, make allowance for the fixing of the outer cover.
- Position away from direct sunlight if possible.
- Position a distance away from the float valve to avoid water splash through the mesh.
- The tank valve outlet should be level with the top of the weir ensure this is possible.

Float Valve

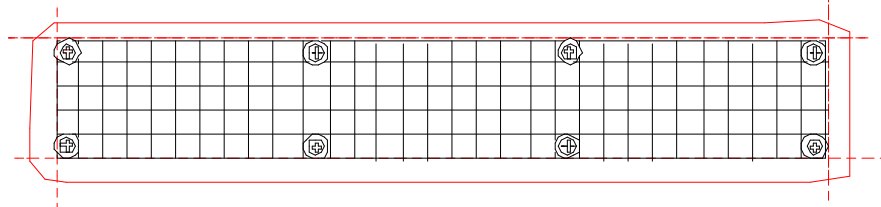
Check the tank sides for a suitable position for the float valve:

- The tank outlet point should be at the same level as the top of the weir cut out.
- The valve would normally be fitted in the raised rib section of the tank.
- Ensure its location can be accessed from the hatch and the float arm operation is unrestricted.

Cutting/drilling Tank Structure

Airgap

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. (use a multi-tool or drill a hole in each corner/centre and use a pad saw to join the holes) ensure the edges are straight and ensure all swarf is removed from the edges.



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.

Float Valve

Drill a hole to suit the valve inlet size ETVB3 (27mm) in the marked position. Fit the valve ensuring it is correctly positioned inside the tank with the outlet facing downwards, check valve, arm and float are secure. A float valve support bracket must be fitted to the outside of the tank.

Warning/Overflow Pipe

The overflow will give an early indication of a float valve fault. It will normally be one size larger than the float valve. If using Access products ETVB3 and ETOF4 the distance between the hole centres will be 105mm. Drill a hole to suit the overflow size ETOF4 (33mm) in the opposite side of the tank to the float valve. 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.

If using alternative components the overflow 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 should be fitted at the opposite side of the tank to the float valve with its lowest internal point 25mm above the static/normal water level.

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

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