

FITTING A PARTFILL VALVE

Fitting a Partfill Valve will ensure that you never run out of water when there is little or no rainfall. The Partfill Valve is a high flow valve which will automatically use mains water to maintain a set level of water in your tank.

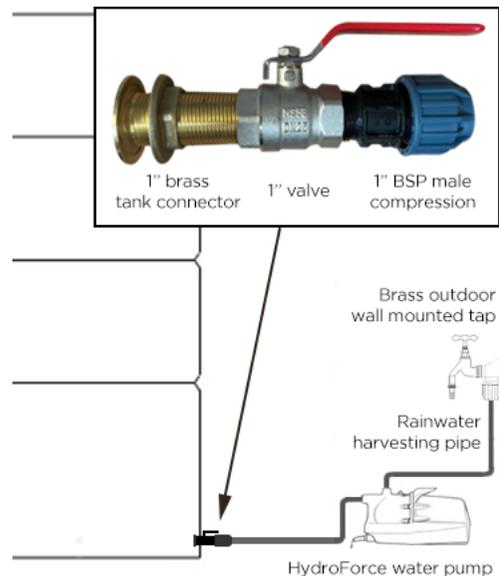
As the tank empties, the weighted float travels down the cord and sits on the bottom stop to activate the valve. The Valve will run until the weighted float lifts clear of the bottom stop. The float will then rise as rainwater fills the tank and fall as the tank water is used. The Valve will only function at times when rainfall is insufficient to maintain a preset water level in the tank above the bottom stop.

- Install the Partfill Valve through the side wall of the storage tank, mounting it above the overflow level of the tank to prevent backflow.
- Pressure Range: 0.3 Bar - 10 Bar (5 psi-150 psi)
- Available in 4 sizes to suit your mains water pipe size

EXTENAL TAP SYSTEM

OPTIONAL EXTRA

This system allows you to access your stored rainwater conveniently. Making it easier to access water for applications such as watering plants, washing vehicles or cleaning outdoor spaces.



Agricultural Rainwater Harvesting System Quick Start Guide



THANK YOU

Thank you for choosing the Ecosure Agricultural Rainwater Harvesting System and for supporting British manufacturing. We hope you will be completely satisfied with your purchase. If you have any questions or require further information, please call us on 01763 261781.

INSTALLING THE BRASS MALE TANK CONNECTOR

- Lay the tank on its side.
- Drill a hole for the male tank connector on one of the flat recessed areas at the bottom of the tank. For the standard 2" tank connector, the hole should be 57mm diameter. The bottom of this hole should be approximately **60mm up from the bottom of the tank** to allow for the thickness of the base and the internal curvature between the base and the wall of the tank. Check that the internal surface is flat enough to provide a waterproof seal
- The brass tank connector must be threaded through from the inside. Remove the brass nut and the washer. The rubber gasket must be on the **inside** of the tank.
- If you wish to enter the tank to push the outlet through, a confined space risk assessment will be required.
- Alternatively push a length of hose through the hole you have drilled and out through the lid. Push the top end of the hose through the outlet and let it drop down until it can be pulled through from the outside. Put the brass washer on first and then tighten using the brass nut on the outside of the tank.

FITTING THE BREATHER

- Drill a 57mm hole on a flat area on the top of the tank. Allow 60mm from any edges or corners. Slip "T" bar into cut hole and twist the vent to tighten by hand.

FITTING THE 3P COMBI FILTER

- For a standard set up, see the diagram at the front of this leaflet.
- Position the tank as required, close to the downpipe but at least 300mm away from the wall (to allow for the natural expansion of the tank when full of water and inspections of the tank throughout its lifespan).
- The filter should be fitted to one of the flat upstands on the top of the tank. Rotate the tank until this is close to the downpipe.
- Drill a hole in the upstand to receive the pipe from the filter. The pipe should be long enough to reach nearly to the bottom of the tank. Fit the calmed inlet to the bottom of the pipe.
- Using a tank seal or similar, push the pipe through the drilled hole.
- Fit the pipe to the bottom outlet of the filter, according to the manufacturer's instructions.
- Connect the downpipe to one of the top outlets of the filter. For a roof over 175m², connect the other side outlet to another downpipe.
- Connect the wastewater pipe to the lower side outlet of the filter, using a T fitting to also fit an overflow from the tank to this pipe. This overflow should be below the partfill valve (if you fit one) to prevent backflow.

Once all the drilling has been completed, all plastic swarf must be removed from the tank. This can be done with a vacuum cleaner or by flushing out with water.