



QUICK START GUIDELINES FOR

FIRE TANK SYSTEMS



THANK YOU

Thank you for choosing the Ecosure Fire Tank 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

THE BASE

Tanks must be installed on a smooth, level concrete base built in accordance with good building standards and engineering principles. A reinforced concrete base is strongly recommended. Tanks must not be sited tight against a wall or similar structure. Leave a gap of at least 300mm all around the tank. If the tank is inadequately supported, the tank itself can be weakened.

We recommend that your tank base is a minimum of 600mm (24”) larger than the dimensions of the tank and has a minimum depth of:

- 152mm (6”) for 10,000 litres
- 204mm (8”) for tanks over 10,000 litres

PLEASE REMEMBER

- You will need enough room to carry out any maintenance activities.
- Consider the work activities that will take place in the vicinity of the tank. Take precaution against accidental contact with the tank, for example by installing barriers. Impact with the tank, especially at low temperatures, may result in tank failure.
- Your tank is not designed to support the weight of machinery, equipment or any heavy load. **Do not mount items like this on the top of the tank or on its fittings.**

FITTINGS AND ACCESSORIES

- If fitting large float valves (over 1”), a reinforcing plate may be required.
- It is important that fittings, valves, pipes and other accessories are fully supported. Fittings and tank attachments should not carry any weight.
- All rotationally moulded tanks will expand and contract as they are filled and emptied. The connection between any fixed pipework and the tank (or tank outlet) must allow for this movement.
- Care must be taken with the installation of accessories. Consult the documentation for the accessory for more detailed installation information.

INSTALLING THE MALE TANK CONNECTOR

The following hole sizes are required for the installation of tank connectors:

Size of fitting (BSP)	Hole size
2”	57mm
2.5”	63.5mm
3”	90mm
4”	116mm

- 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. 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 tank connector must be pushed through from the inside so that the male thread protrudes from the tank. Remove the nut and any rigid washer. The rubber washer 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 rigid washer on first (if present) and then tighten using the nut on the outside of the tank. If fittings are over-tightened, they may leak.

INSTALLING THE CONNECTION KIT (MULTI TANK SYSTEMS ONLY)

BEFORE USE

Test your installation by part filling the tank(s) with water before you put the unit into use. Verify the integrity of the tank and its fittings.

TANK USE

- Use your tank only for the purpose for which it was created. Do not pressurise the tank or contents, or create a vacuum.
- Make sure that the materials you store in the tank are appropriate to the properties of the tank, fittings, gaskets and accessories.
- These tanks are designed to store water and for the specific gravity of water. Using the product for applications other than those they were designed for, will invalidate the warranty.

TANK MAINTENANCE

Tanks should be inspected regularly (at least annually). This inspection should include:

- The fill point arrangement (for soundness and leaks)
- Outlet valves (for leaks and operation - open and close successfully)
- A visual inspection of the whole tank with emphasis on the base of the tank (check for deformation of the surface of the tank i.e. excessive bulging, change in colour due to chemical attack, crazing or stress fractures)

The base should also be checked for signs of stress or damage they may leak.



ADDITIONAL FITTINGS AVAILABLE

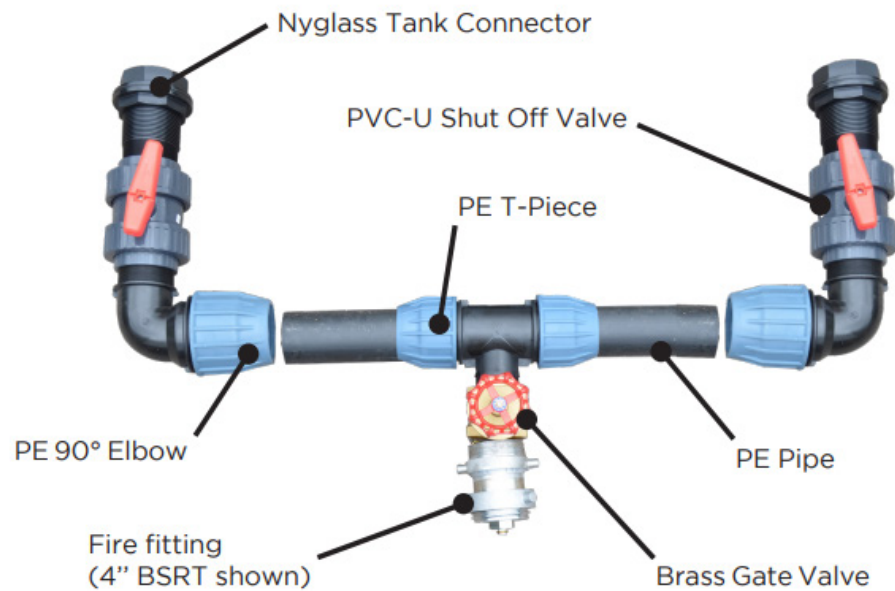
FLOAT VALVES, LOCKABLE LIDS, LEVEL GAUGES

Float valves regulate the water level within the tank, ready to replenish it should the level drop too low.

Lockable lids provide an additional layer of security, safeguarding the precious water reserve from tampering or contamination.

Level gauges offer invaluable insights into the tank's capacity, enabling prompt action when replenishment is required.

All these and more are available on our website.





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