

# Universal Rainwater Top Up System

## DTBLLTFU

### Above and Below Ground Systems Operating & Installation Instructions Controller Installation & Operation

The controller must be located within 2 metres of the power supply and no more than 10 metres from the tank level switch installation.

The control box must be mounted on a solid vertical surface utilising the mounting bracket at the top of the control box.

Connect the power in lead to the power Supply turn on to test operation.  
(The power on LED will illuminate).

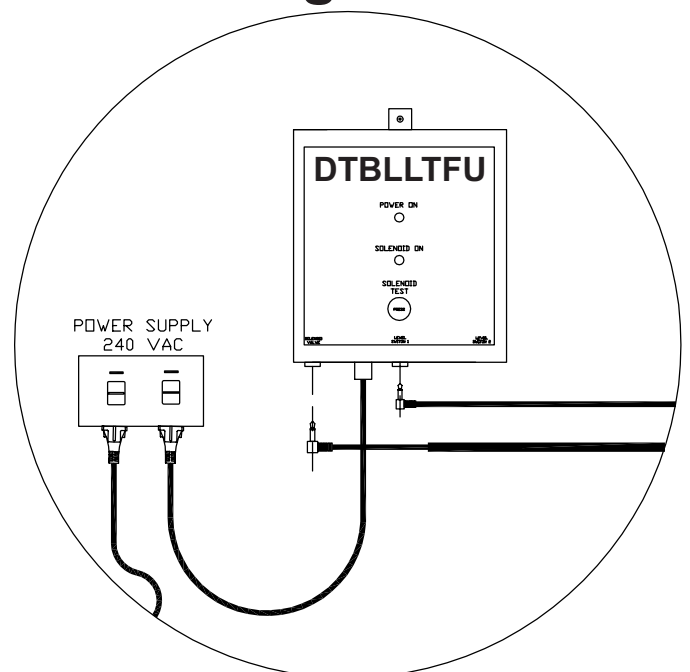
Plug the float level lead into the control box where marked.

Plug the solenoid power lead into the control box where marked.

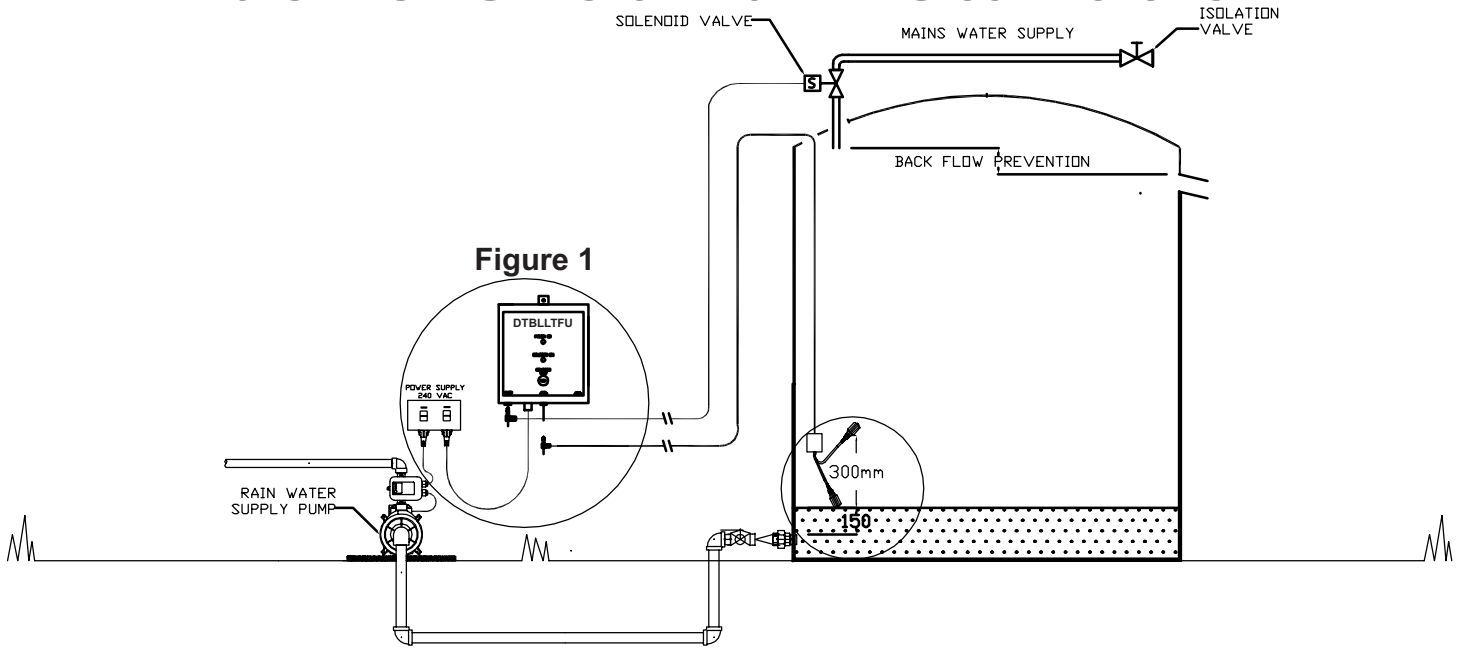
Check operation of the tank fill system operation by manually raising and lowering the float at the preset (300mm) weighted cable position on the drop cable. This test will turn the solenoid on & off with an audible click sound. (See Figure 3).

Depress the solenoid test button to test the on-off operation of the solenoid valve. This test will activate the solenoid valve with an audible click sound.

**Figure 1**



# Above Ground Installation



## Solenoid Operation & Installation

The solenoid valve (Maximum operating pressure 10 Bar) should be installed by a qualified plumber in accordance with back flow prevention laws.

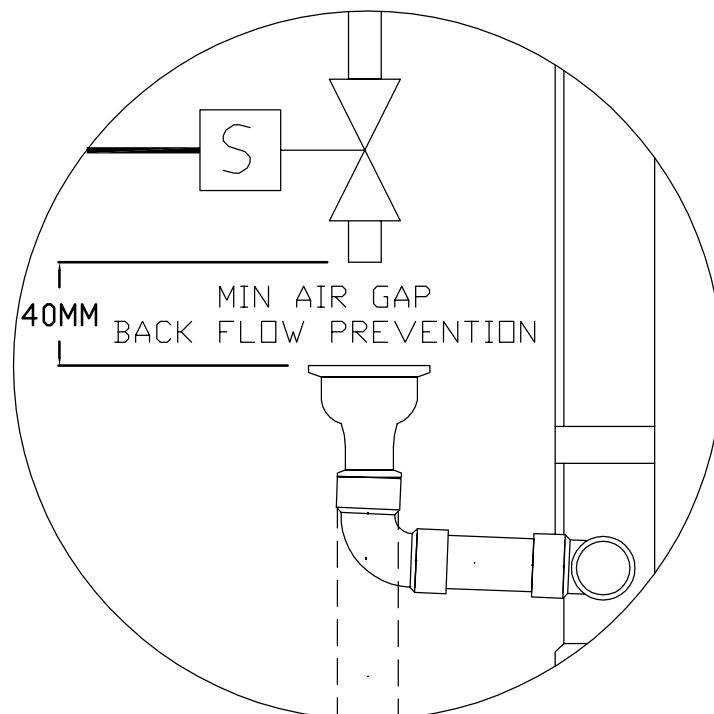
**IMPORTANT:** Check with the authorities in your region for compliance. (See Figure 2)

Debris must be purged from the water supply pipe work before connection to the solenoid.

The solenoid has a manual open lever, this must be in the **closed** position for automatic operation.

The water flow through the solenoid can be throttled by adjusting the spindle on the top of the valve.

## Below Ground Solenoid Installation

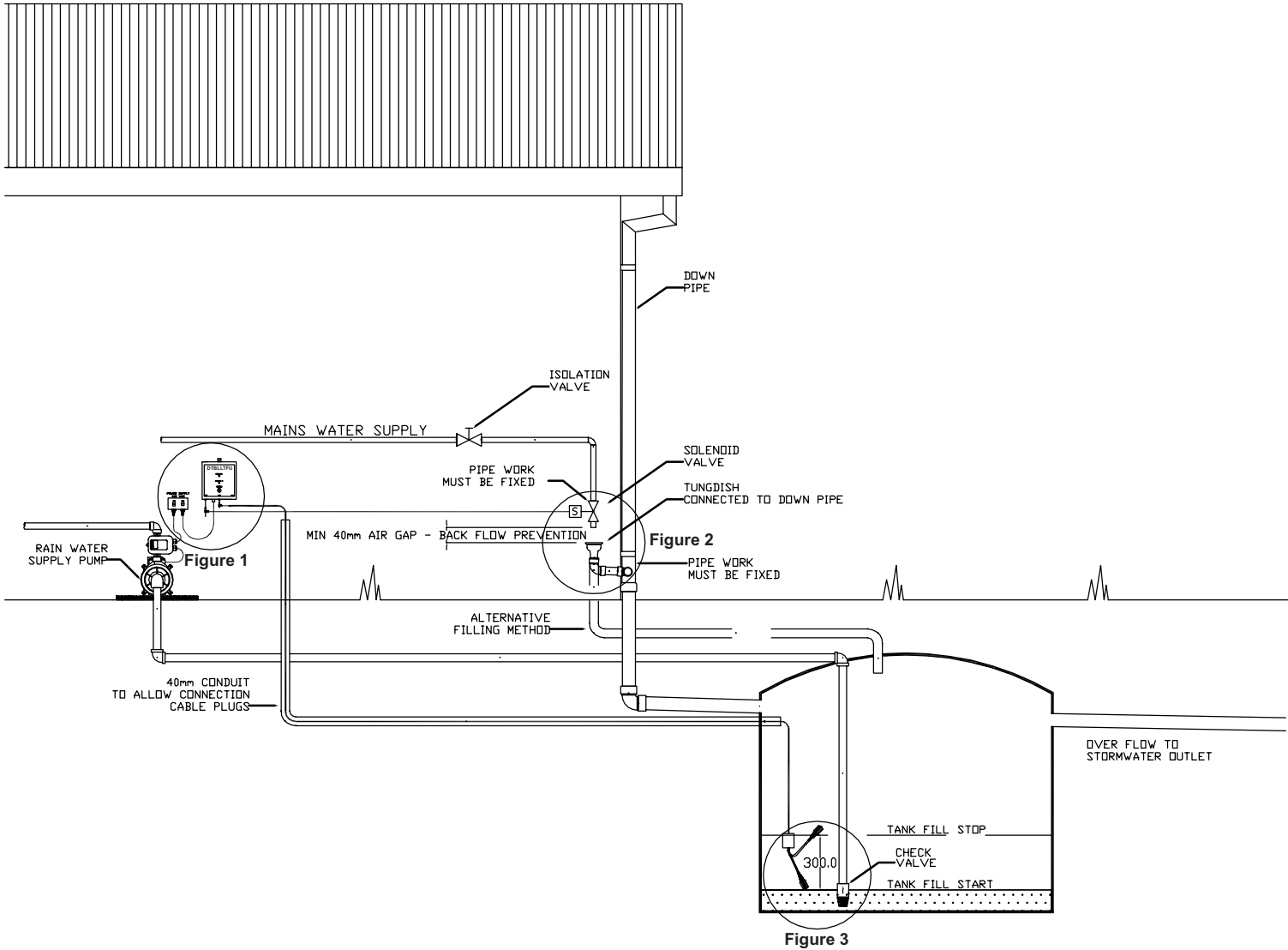


**Figure 2**



WaterMark  
Spec 5200.030-2004  
LN:W 4004

# Below Ground Installation



## Float Level Switch Operation & Installation

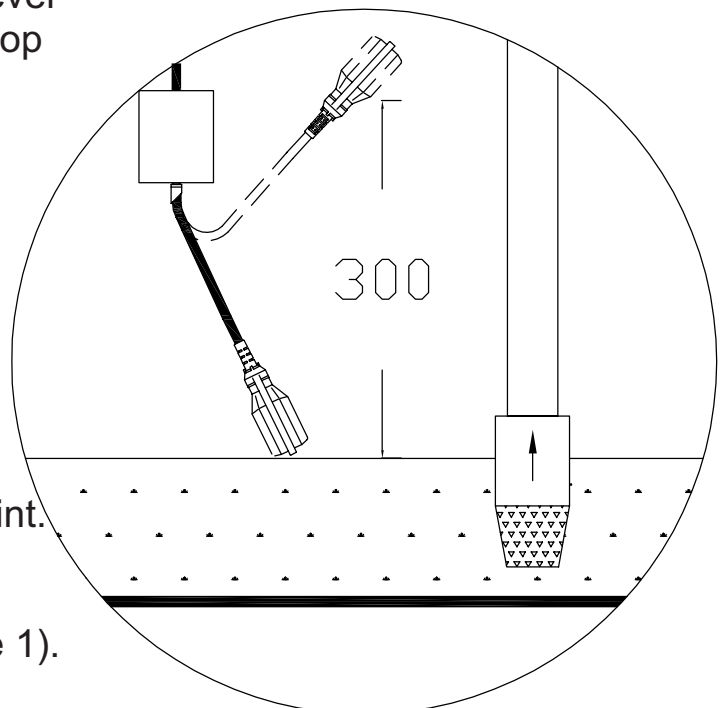
The float level switch is designed to hang vertically inside the tank. Once the desired tank top up level is established the float cable is secured at the top of tank with a zip or cable tie.

For protection the float cable and plugs can be inserted inside electrical conduit.

**MINIMUM CONDUIT SIZE 40MM.**

**IMPORTANT** To prevent the pump suction from effecting the float operation it is important to locate the level control no closer than 150mm vertically or horizontally from the proposed tank outlet/pump suction point.

Plug the float level control and solenoid leads into the control box where marked. (See Figure 1). Switch on power to the control box and test operation of the solenoid valve and float assembly with the water turned on.



**Figure 3**