

## TROUGH VALVES OPERATION & INSTALLATION INSTRUCTIONS

The Philmac trough valves operate by opening and closing a plunger against a seat through the action of a lever attached to a float. As the water level drops, the float and lever move in a downward direction and the plunger moves away from the seat opening the valve. When the water level rises, the float and lever move in an upwards direction and the plunger moves towards the seat until it sits firmly against the seat and shuts the valve off.



1. Apply PTFE tape or approved sealant to the thread ensuring sufficient is applied to ensure a watertight seal.



2. Screw into female thread by hand until firm.



3. Using a pipe wrench or multigrips on the body of the valve screw it into the female thread until tight. Where necessary ensure the female thread is held stationary to avoid it from moving.

### Conversion for Overhead Entry



1. For overhead installation the lever needs to be relocated by unscrewing the pin from the body.



2. Rotate the lever by 180° and reinsert the pin through the lower hole (upper hole is for the standard installation). (Refer page 54 for pin locations).



3. Installation position.

### Setting the Float



1. Insert the cord through bottom hole of the float, ensure the top of the float is BELOW the rim of the trough then place the cord around the right hand lug. Make a loop.



2. Twist the loop.



3. Place it over the left hand lug and pull tight.