



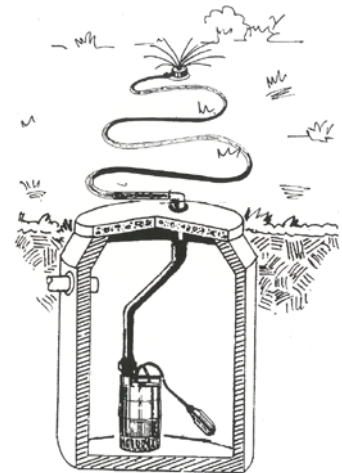
# Household Sullage Pump Installation

## Background:

Sullage tanks are steadily replacing absorption trenches as the preferred option for disposing of greywater from homes not connected to a sewage system. The wastewater from the laundry, bathroom or kitchen flows into a tank which is buried with the top level with the ground. Most tanks are usually around 1.5m deep and 1.0m round. When the level in the tank rises a pump is activated by a float switch and the wastewater is pumped through a hose onto the garden. The hose is moved from time to time so that various parts of the garden can be irrigated. Using the waste water on the gardens means that fresh water is conserved.

## Features:

- Fits most major brands of submersible sullage pumps with 32mm (1¼" BSP) vertical female outlet.
- Approvals may be necessary with the local Water Authority. Please check prior to installation.
- Safety: The purple colouring of the hose distinguishes its use for "Wastewater".
- The complete kit including all fittings, sprays and hose is shrinkwrapped for convenience.
- Foolproof: The unusual looking "dogleg" threaded riser which is separately bagged and supplied with the kit, Ensures the sullage pump remains in the centre of the tank to stop the float fouling against the wall.



## Installation Guide:

- Be sure to install the riser with dogleg (threaded end) to the top. Cut the the riser at the bottom end (unthreaded) to reduce its length.
- Unroll the entire sullage hose and remove all twists prior to use. This will make it easier to use the hose, reduce the possibility of kinking and avoid damage to the pump.
- Use the hose clamps provided on both hose connections. Hand tight is sufficient.
- Ensure that the tank is free from foreign matter that could damage the pump eg building debris, mortar, bricks etc.
- Ensure that the pump automatic float switch is in a position that the arm cannot foul against the side walls of the tank.
- Use a rope attached to the pump handle to raise or lower the pump.  
**DO NOT USE THE POWER CORD.**
- Ensure the "Dogleg" Riser protrudes through the top of the tank to prevent the pump from falling over when the sprinkler and hose are moved.
- Adjust the automatic float switch cord length to make the pump start/stop as frequently as possible to avoid build-up of sludge on the bottom of the tank.

## Maintenance Tips:

### The most common causes of sullage pipe failures are:

- Automatic float switch fouling with the floor or wall of tank (readjust float or reposition pump).
- Pump has fallen over on to its side due to not being installed using a rigid riser (reinstall correctly).
- Pump jammed with foreign matter eg hair, pins, rocks, plastic, sand etc (clean out pump thoroughly before restarting).
- Kinked hose or blocked sprinkler causing pump to run against a closed outlet. Pump will overheat causing motor or seal failure.
- Pump power cord damaged when used to raise or lower pump.
- Build-up of sludge around inlet screen restricting flow (adjust automatic switch so pump runs more frequently).
- Pump should be removed and cleaned at least once per year.

## Kit Components:

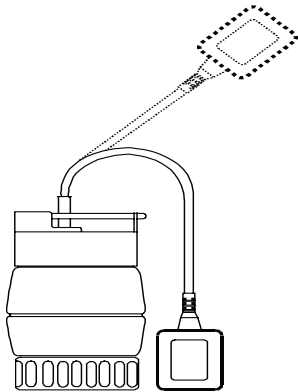
- (1) 19mm Purple Sullage Hose – 20m
- (1) Polypropylene “Dogleg” Threaded Riser
- (1) 32mm x 1¼” End Connector Male
- (1) 19mm x ¾” BSP M Threaded Elbow
- (1) 19mm Tail x ¾” BSP M Director
- (1) Purple Dome Sprinkler
- (2) 20mm Pipe / Ratchet Clips

## Adaptor Kits:

Adaptor kits are available to suit a range of outlets. Each Adaptor Kit is supplied in a plastic bag with a barcode label. Adaptor Kits are not supplied where standard fittings can be used to make the connection.

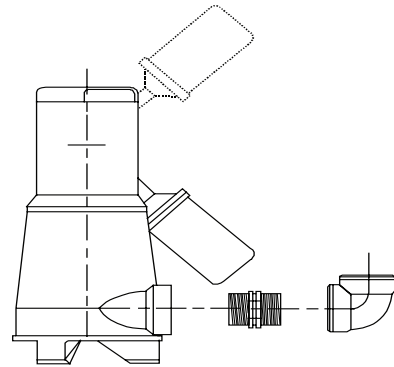
### Top Entry – 1¼” BSP Female

No Adaptor Kit required. The Household Sullage Pump Installation Kit fits directly into the top of the pump.



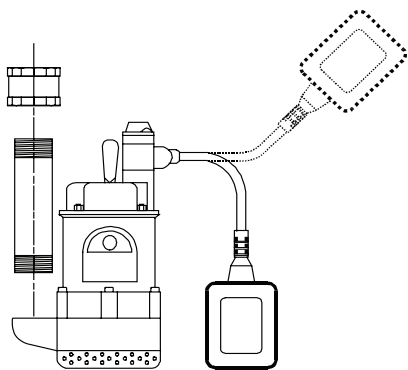
### Side Entry – 1¼” BSP Female

Use Sullage Kit Adaptor – Side Entry



### Bottom Vertical Entry - 1¼” BSP Female

Use Sullage Kit Adaptor – Bottom Vertical Entry



### Side Entry – 1¼” BSP Male

Use 1¼” Female Threaded Elbow

