



### **Pump Kit 215 - Aboveground**

Product Ref; RWH-KIT-215

The underwater pump kit provides a complete solution for the control of rainwater within a domestic or small commercial installation. It allows for the pumping and control of both rainwater and mains water back up in periods of low rainfall. The kit consists of the following items;

#### **a) Submersible Pump**

A Self-priming Jet centrifugal pump with electronic control system, the model used by Carbery has the added benefit that it can be installed both submersed in the tank and external to the tank. With a capacity of 50l/min it is more than adequate for domestic and small commercial installations.

[Submersible Pump Specifications](#)



**Figure 1 Submersible Pump**

## b) Floating Suction

The floating ball makes sure that the suction basket of the floating pump intake is always situated approx. 15 to 20 cm below the water surface. It ensures that no water directly from the surface (which is often charged with a film of grease and powder) can be sucked in.

### [Floating Suction Specification](#)

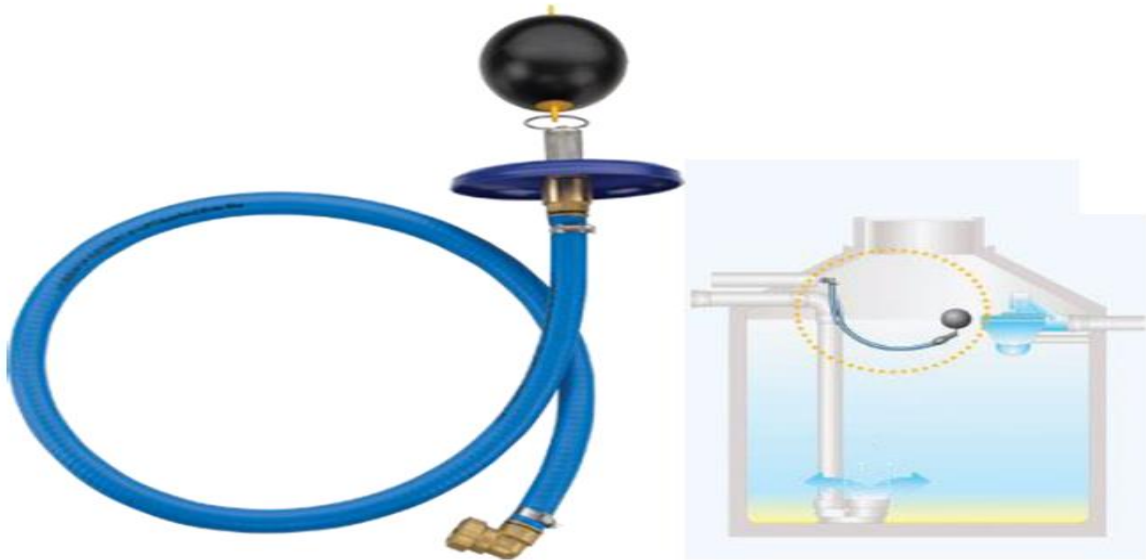


Figure 2 Floating Suction

## c) Top Up controller

### [Top Up Controller Manual](#)

The top-up controller maintains a minimum level of water in the tank. A level probe senses when the rainwater level drops below a minimum level and activates a solenoid which diverts water from the mains supply into the tank to ensure adequate supply at all times. Once the water level goes above the minimum level of the probe then the control unit switches off the mains supply. The remainder of the tank is filled with rainwater from your downpipe.

The control unit has the facility to set off an alarm and shut the solenoid should the solenoid be open for more than 30 minutes. This prevents any back up of water in the pipework and helps to detect any leak in the unlikely event of damage.

The system consists of;

- Control Unit - 97 x 163 x 62 mm, 0.5kg.
- Level Probe - 15m cable (extendable to 30m).
- Solenoid Valve - with 30cm braided hose and isolating valve (1/2" F BSP).
- Tundish with overflow c/w wall mounting bracket, anti-spray nozzle and elbow.
- Tundish Overflow - 39mm (external)
- Tundish Outlet - 50mm (external)

- Schuko plug adapter for pump connection



Figure 3 3P Mains Water Top-UP Set