

## TECHNICAL SPECIFICATIONS

- Self-priming lifts 3 metres
- 12 metres discharge head
- Water flow rate: 6.25 ltrs per hr @ 12 metres head
- No siphoning back
- No loud sound from dry running
- Pumps water, contaminated water & air
- Pump rating: 0.2A, 230V AC  
Alternative voltages available
- Manual test switch
- Fire retardant plastics
- Inlet/outlet size: 6mm
- Push-in plug
- Wall-mounted bracket

### MK4

- Operates on bead contact with water
- Run on operation approx 5 minutes

### Mechanical

- Operates on a float switch
- 2 reservoir options available
- Available with an alarm option

### MK4 INSTALLATION NOTES

Connect the pump to the appropriate drip tray (using the vinyl tube supplied), then connect to the mains power supply.

#### WATER LEVEL DETECTOR:

When the unit is first switched on you need to allow 5 mins for the electronics to stabilise.

**To ensure that the detector will operate satisfactorily, please abide by the following:**

1. The detector will trigger when the water level has reached the first 2 or 3mm of the sensor, this should be taken into account when positioning the height of the sensor. As the device works on heat conductivity it can take up to 30 secs for the pump to switch on.
2. Position the sensor away from direct draught and make sure the tip is a minimum of 5mm from the base of the tray. Ensure the tip is in free air and unable to touch the sides. The ambient sensor within the cable 5cm from the tip can be seen as a small disc beneath the sleeve, this should also be positioned in free air to avoid any heat conduction.

### MECHANICAL INSTALLATION NOTES

Connect to the mains power supply.

Decide which reservoir is correct for your installation and position the reservoir into the condensate tray or to the drainpipe connection (**depending on which reservoir you use**).

Ensure you have placed the float magnet facing upwards. Then Connect the pump to the reservoir (using the vinyl tube supplied).

**ALWAYS ENSURE RESERVOIR IS MOUNTED HORIZONTALLY**

The pump is designed to sit level on its base and must at all times have adequate space around it for good ventilation.

Ensure that there are no kinks or trapped parts in the piping, which must have a 6mm I/D and an 9mm O/D. Fix the pipes with cable ties to the pump inlet and outlet.

Both the MK4 and Mechanical share the same **SERVICE GUIDE & ELECTRICAL CONNECTIONS** as the Universal peristaltic pump (see page 4).

### PUMP DIMENSIONS

Product	Height	Width	Depth	Weight
MK4 & MECHANICAL	142mm	160mm	83mm	1.7kg



**The MK4 peristaltic pump operates using water level sensors. This allows the pump to detect and be triggered by the level of water in the condensate tray.**

The detector has two sensors within the head which warm up to 15°C above ambient. When the lower sensor comes into contact with water, the heat conductivity from the sensor provides a temperature difference energising the pump. Once the level of the water has dropped below the tip of the sensor, the pump will continue until the the sensor has completely dried out.

**The Mechanical peristaltic pump operates by using a remote reservoir with an internal float mechanism. It is available with or without a high level alarm output.**

The pump is designed to be mounted remotely if required and has a 3 metre (9.8ft) lead to the float switch. Simply position the float switch in the condensate tray or fix to the drain-pipe connection (depending on chosen reservoir). Then connect the reservoir to the pump.