

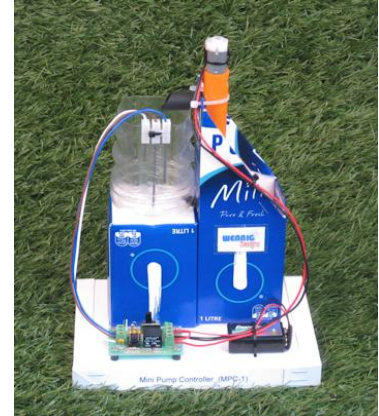
Water pumping stations for MPC-1 kits



Station #1



Station #2



Station #3

Backs and/or bases

- Stations #1 and #2 use plastic cutting boards (details page 2)
- Station #3 uses recycled milk cartons (details pages 4 & 5)

Tanks and tank stands

- Stations #1 and #2 use plastic food containers (details page 3)
- Station #3 uses a recycled drink container for the header tank, and recycled milk cartons for the tank stand and reservoir tank / pump support (details page 4)

Probes and plumbing

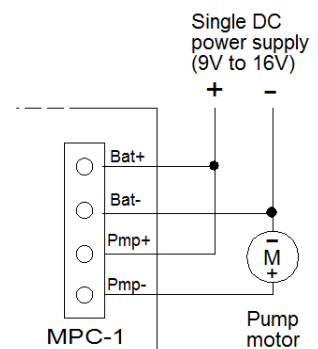
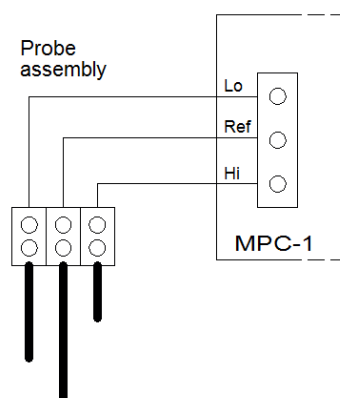
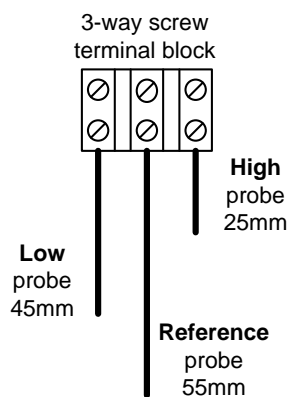
- All stations use lengths of bicycle spoke for level sensing probes (see dimensions below)
- All stations use 4mm drip irrigation fittings and tubing for plumbing

Water pumps

- Station #1 uses a 12V fuel pump for models (SA sources Model Flight and Hobby Habit)
- Station #2 uses a Pump-1 design (construction details page 3)
- Station #3 uses a Pump-2 design (construction details page 6)

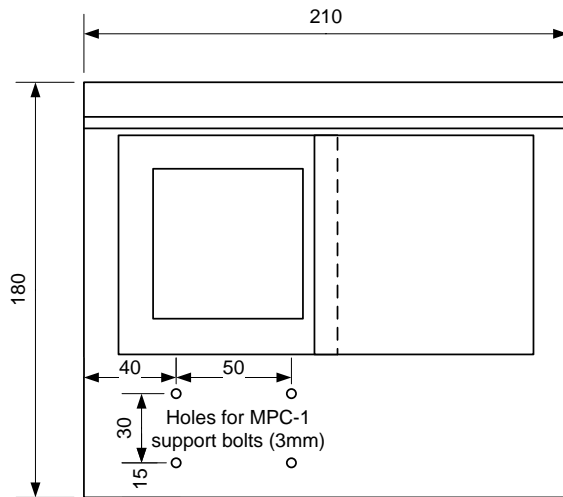
Typical probe and pump connections

Typical probe lengths



Stations #1 and #2 – general assembly

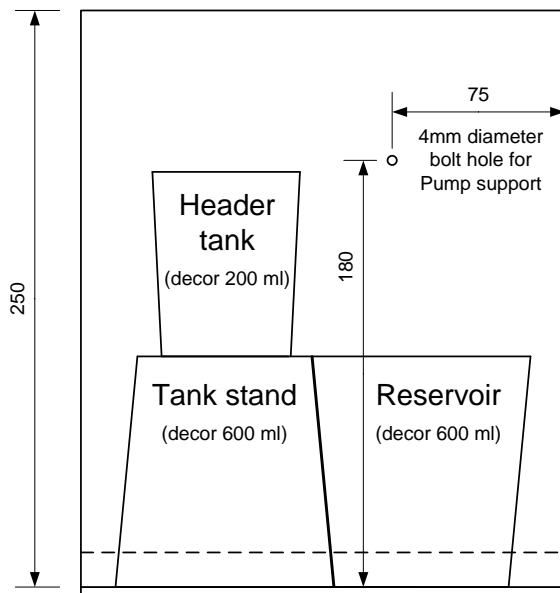
- All dimensions in millimetres
- Pump-1 construction details page 3



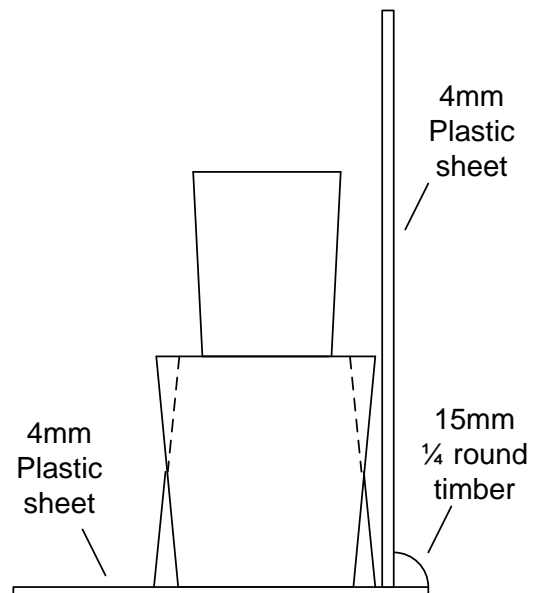
Top View



Note: a 12V fuel pump for models can be fitted in place of the Pump-1 shown here

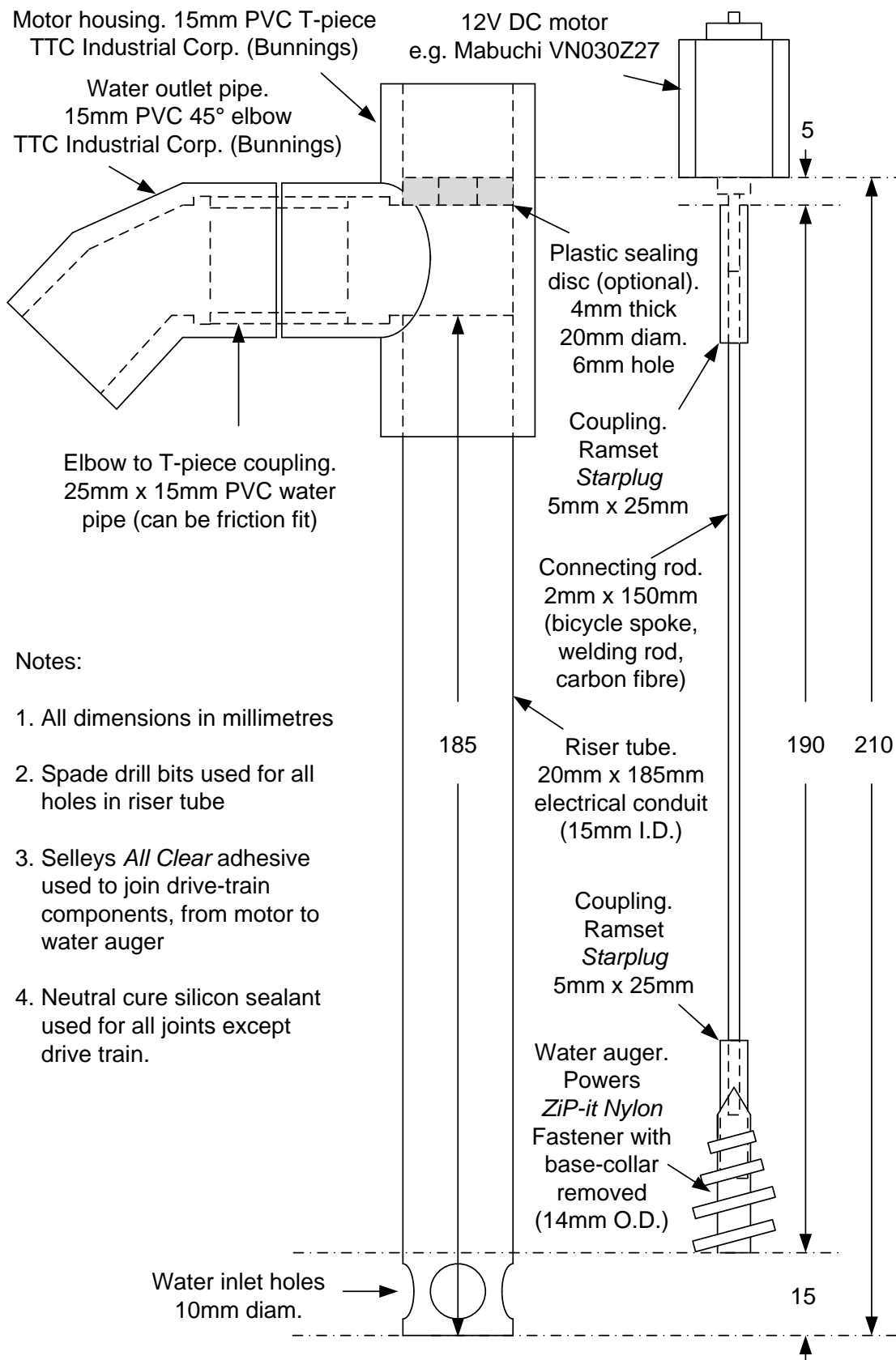


Front View



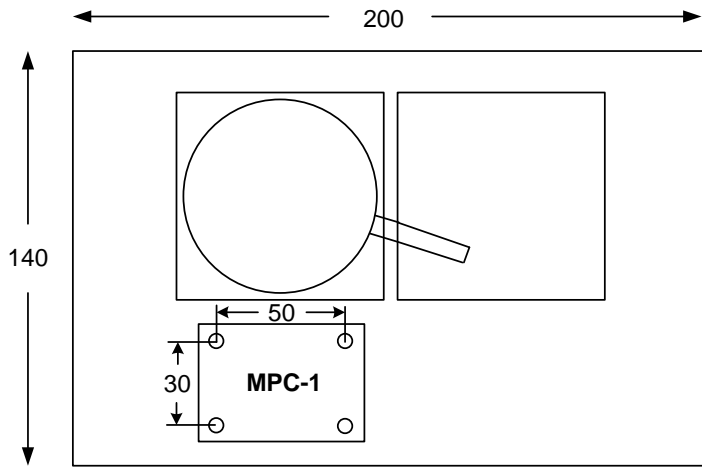
Side View

Pump-1 construction

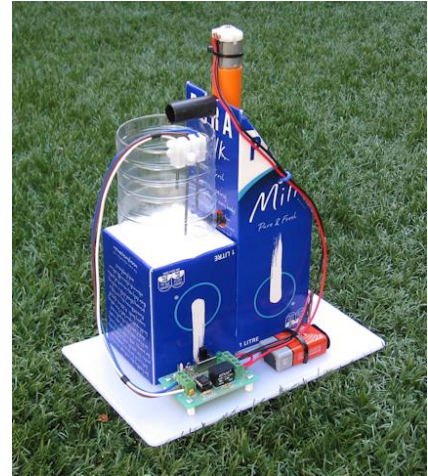


Station #3 – general assembly

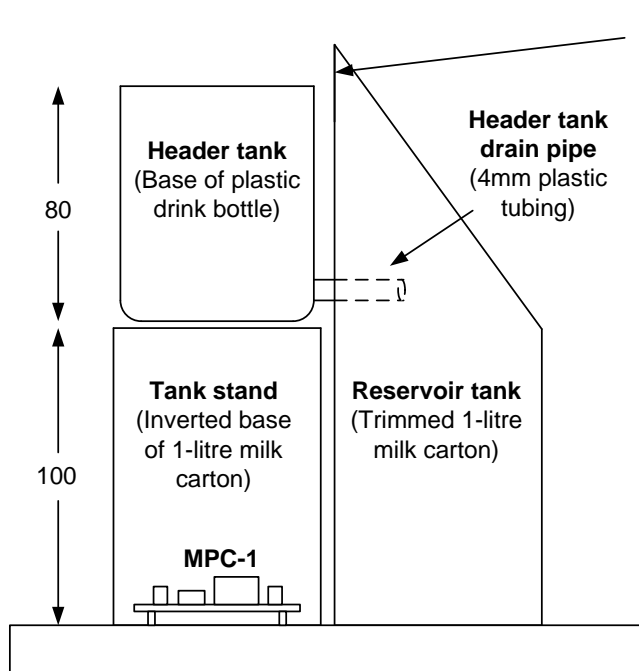
- Milk-carton trimming details page 4
- Pump-2 construction details page 5



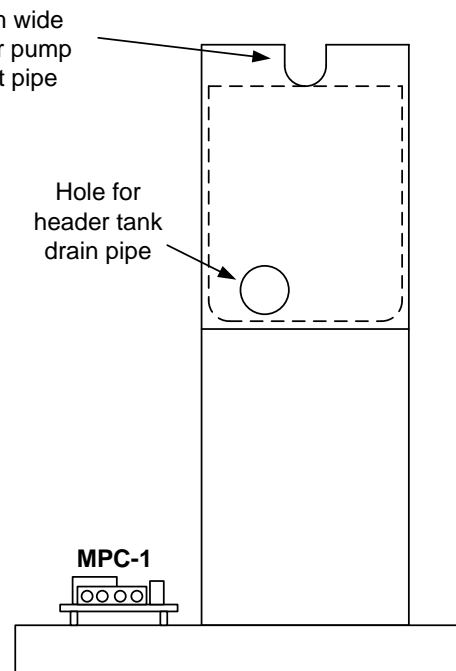
Top view



All dimensions are in millimetres



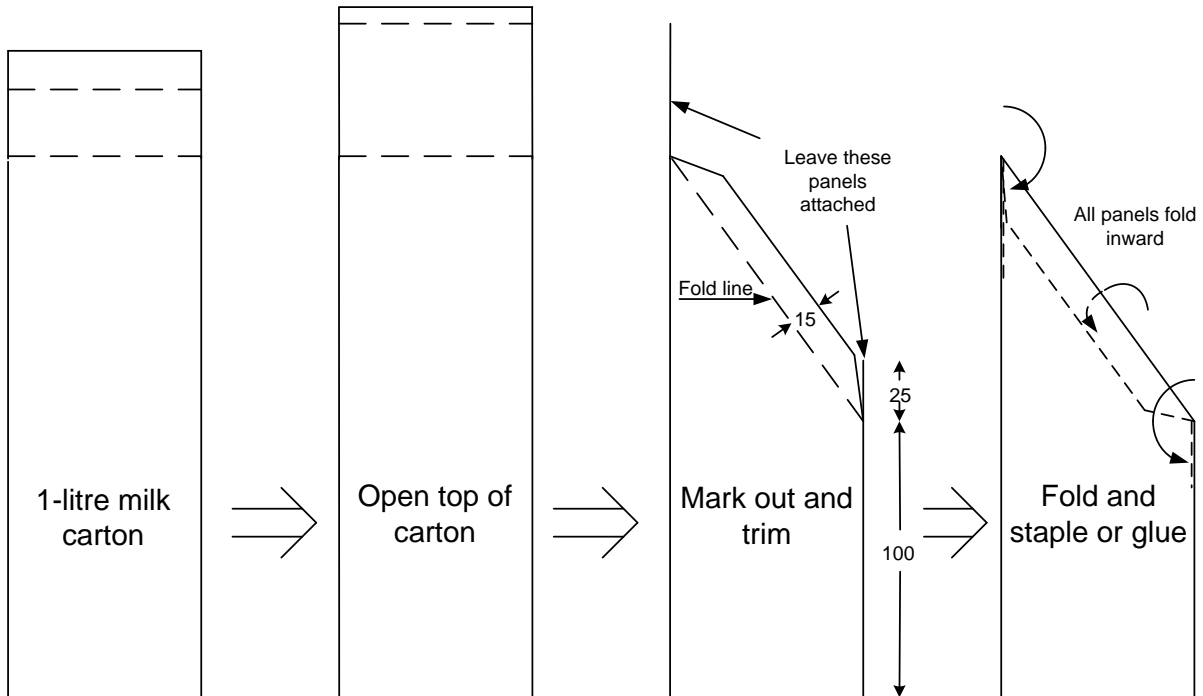
Front view



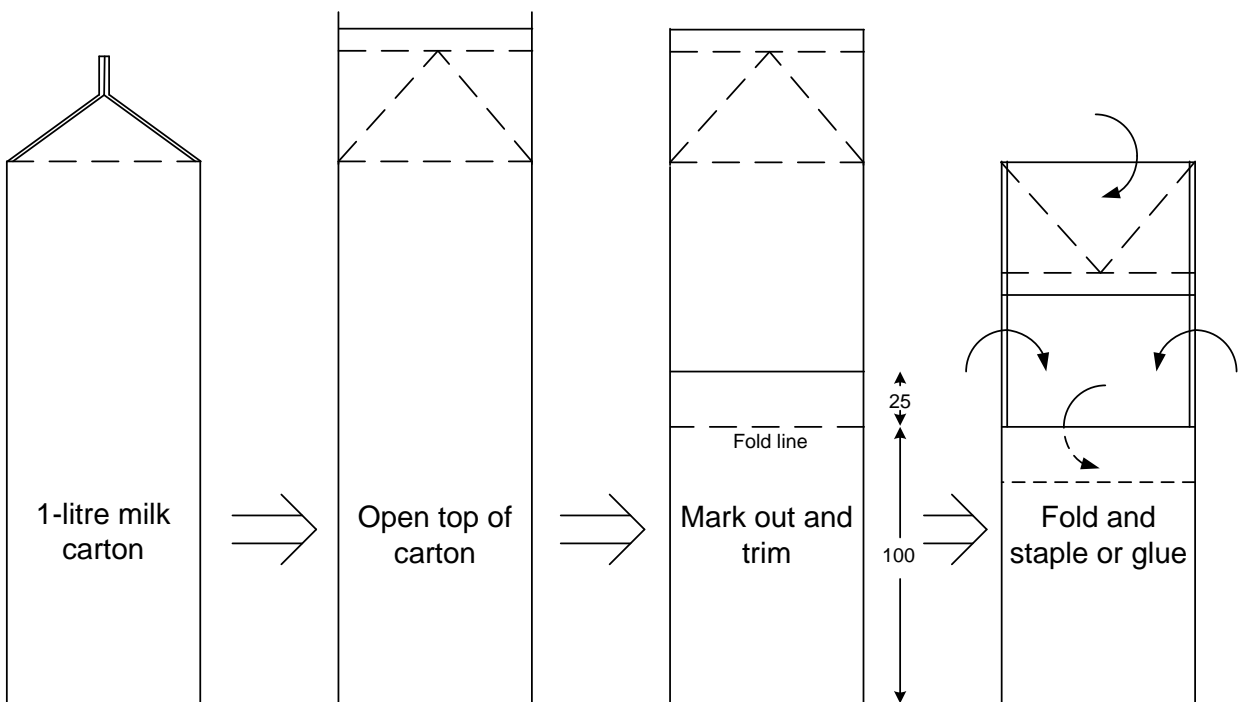
Right-side view

Station #3 – milk carton trimming

View from front of pump station



View from right-hand side of pump station



Pump-2 construction

