

## MANIFOLDS & WATER TEMPERATURE CONTROL

### Heat Pump Pack (HP250)




The Maincor Heat Pump pack HP250 is for use in applications when water blending controls are not required. Ideal for use with heat pumps installations or other renewable technologies that deliver heating water at a lower temperature than conventional gas boilers. The pack is suitable for use with floor areas of up to 250m<sup>2</sup> or a maximum output of 20kW.

It is good practice to fit a 2 port motorised zone valve on the primary flow to manifold and Maincor will usually supply one. We recommend fitting an automatic bypass (supplied by others) on the primary flow prior to the 2 port motorised zone valve.

- 'A' rated energy efficient pump.
- Ideal for large area UFH systems.
- Fully pre-assembled and designed to be fitted on to either side of the manifold.
- Tailored solution for heat pumps – no need for a blending valve and actuator.
- A high limit shut off is included and pre-set to 60°C.
- Quick and easy to set up - saving time on site.

### High Limit Thermostat

The unit has a High Limit Thermostat that is pre-wired to stop the pump if the water supplied to the unit exceeds 60°C.

The High Limit Thermostat comes with a flying lead with live (brown), neutral (blue) and earth wires (green/yellow). Typically, these are to be connected to the wiring centre where a relay is housed that will control the operation of the pump. The pump should be set to the "constant differential pressure mode" (via the red dial) for underfloor heating systems: 

1. Pump.
2. Connection to Return Manifold.
3. Connection to Flow Manifold.
4. High Limit Thermostat.

