

Plumbing Schematic

Notes:

The plumbing schematic should be read in conjunction with the manufacturers' manuals and other documents provided.

Any radiators installed on the system must be sized to account for the lower flow temperatures produced by heat pumps. The design flow temperature is stated on the Energy Summary sheet of the Handover Pack. The maximum flow temperature must not exceed the UFH design temperature.

Towel rails must not be installed on either the heating circuit or the radiator circuit as the heat pump operates in a weather compensating mode, and will not produce the required flow temperature. Electric towel rails must be used and should be installed with timed temperature control.

Additional air vents must be supplied and fitted by the installer at high points in the system to prevent air locks.

All outlined components must be sourced by the installer.

For details of mounting the heat pump please see the NIBE manual.

If the heat pump is being installed under permitted development rights it must be correctly positioned so as to comply with MCS020. For details on compliance consult the latest edition of MCS Planning Standards for permitted development installations available through the MCS website.

The heat pump must normally be located no further than 10m from the property. Any underground pipework between the heat pump and property must be pre-insulated PEX.

If the distance exceeds 10m, contact your Project Engineer.

Pipework between the heat pump and cylinder must be at least 28mm hard copper pipe.

Pipe work sizing for the UFH manifolds must be taken from Nu-Heats CAD drawings.

Docking Drawing C21 Mechanical

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