

System Schematic

Nu-Heat floor heating with pressurised EnergyMaster cylinder type G (System 11G/F)

11G/F161000

Use wiring diagram code: W11P

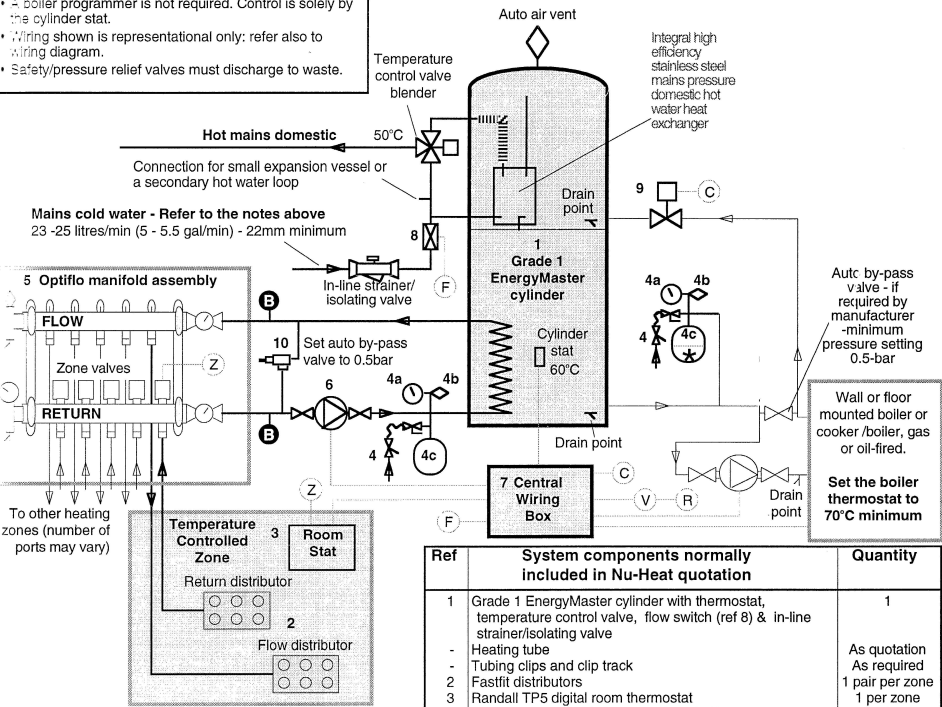
Important Notes:

- The working pressure on the boiler side of the system must not exceed 1-bar.
- If the incoming mains water supply pressure exceeds 3.5-bar, it should be limited to this figure by a pressure reducing valve fitted after the incoming stop cock and before any draw-off points.
- An in-line scale inhibitor should be fitted to the incoming mains. - This can be purchased from Nu-Heat.
- The boiler pump must be fitted to the return and can be vertical or horizontal - It should not pump downwards.
- An Aquastar instant domestic hot water loop may be installed: see Nu-Heat diagram SHWL.
- A boiler programmer is not required. Control is solely by the cylinder stat.
- Wiring shown is representational only: refer also to wiring diagram.
- Safety/pressure relief valves must discharge to waste.

The pressure vessel is supplied by Nu-Heat to cater for water expansion on the boiler side of the EnergyMaster cylinder. It has been pre-charged on the air side to 1-bar. It must be maintained at this pressure and can be topped-up using a suitable pump, for example, a foot pump fitted with a pressure gauge.

The water side of the vessel must not exceed 1-bar when cold.

Note: If any pipework on the boiler side of the cylinder is more than 10 metres above the pressure vessel position, please contact Nu-Heat Technical for



B - B Additional Optiflo manifold assemblies may be Teed off here

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Drawing for: Ref: QR1614

Ref	System components normally included in Nu-Heat quotation	Quantity
1	Grade 1 EnergyMaster cylinder with thermostat, temperature control valve, flow switch (ref 8) & in-line strainer/isolating valve	1
-	Heating tube	As quotation
-	Tubing clips and clip track	As required
2	Fastfit distributors	1 pair per zone
3	Randall TP5 digital room thermostat	1 per zone
4	Filling loop assembly incorporating: 4a Pressure gauge, 4b Pressure relief valve, 4c Pressure vessel	2
5	Optiflo manifold assembly with zone valves, isolating valves, filling/drain points, pressure gauge, flow & return temperature gauges, manual air vent,	As quotation
6	Floor heating pump and valves	1
7	Central wiring box	1
8	Domestic hot water flow switch	1
9	Zone valve on flow to cylinder	1
10	Auto by-pass valve (set to 0.5bar)	1