



I'd like your opinions on the design above please. This will be installed in a fully refurbished and insulated 3 bed detached farm cottage.

The system will be under full control via BMS (my trade) to include:

- DHWS cylinder-rapid recovery <200l capacity
- 3 zone UFH (some hard floors on ground level, not intended to be standalone space heating).
- VT circuit for all radiators (11 in total, including 2 dual fuel towel radiators-all others Stelrad Softline double panel, single convector, sizes TBC).

My main questions are:

1. Is the system hydraulically viable?
2. Is the 25mm UG insulated pipe adequate or is 32mm advisable?
3. Do I need double regulating valves on each secondary circuit return?