Technical Bulletin

Installation Advice: Advice for Cascading Greenstore Cylinders

Cascading 2 or more Greenstore Cylinders

Since the introduction of the Greenstore single coil and twin coil cylinders our technical support teams often receive requests on how to hydraulically connect two cylinders together for a single domestic hot water supply network.

With this bulletin we have shown two examples of how this can be achieved. We recommend assessing site conditions to determine which hydraulic system is best suited.

In both examples, it is imperative that the cylinder pipework is balanced; in *Fig. 1* for instance, in situations where there is difficulty balancing the pipework, balancing valves should be used to ensure optimal performance of both cylinders.

Fig. 2 shows the preferred method for connecting more than two Greenstore cylinders together.

Two or more cylinders can still be utilised in situations where they are to feed separate outlets, such as in larger properties, however in this case we recommend separating the cylinders into their own primary circuits rather than cascading them.

At all times when the cylinders are being installed as part of an unvented hot water system, the requirements of G3 regulations must be followed, and the three levels of control safety must be employed. Note that for *Fig. 2* the cylinder stat pocket positions may vary; refer to the relevant product installation instructions for further detail.

Key

Element	Example
Primary Flow pipework	
Primary Return pipework	
Domestic cold supply pipework	
DHW pipework	
Wiring	
Balancing valves	
Check valves	
Cylinder Control Stat	

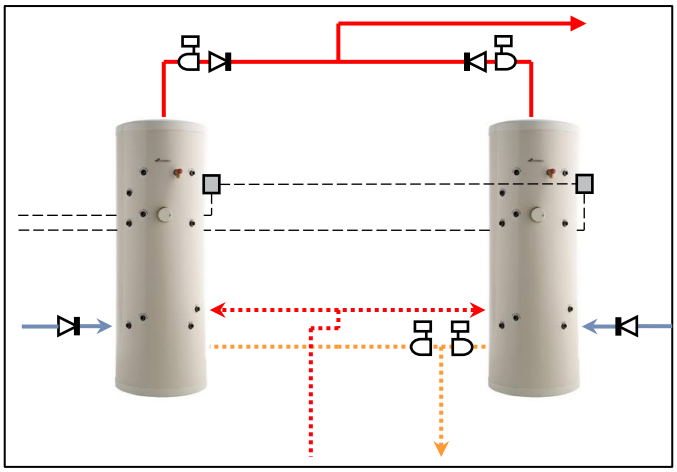

Fig. 1) Cascading 2x Greenstore Cylinders with balancing valves

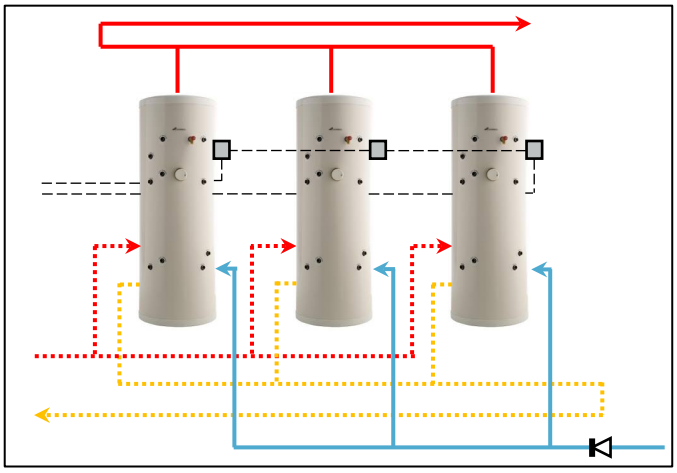

Fig. 2) Cascading >2 Greenstore Cylinders with reverse return