

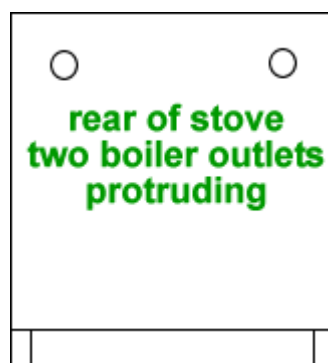
Recommendations for installing a horizontally mounted back boiler.

Care must be taken with regards to any valves fitted and selection of pipe diameters. Failure to do so could cause a restriction to the flow of water in the circuit, leading to the possibility of the back boiler over heating and causing damage and possible injury.

Selection to the size of the appliances, ie radiators or hot water tanks that are connected is very important to suit the size of boiler out-put.

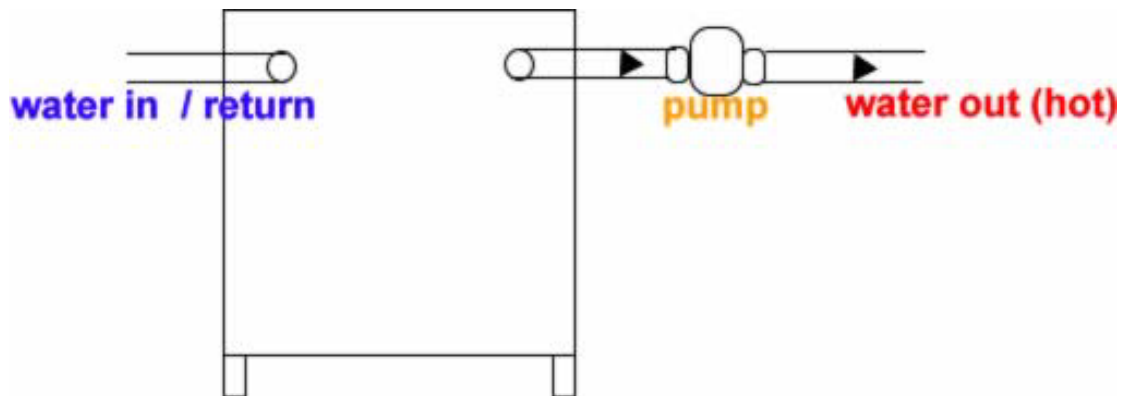
If in any doubt, seek advice from a suitable plumber. If the back boiler is not connected properly, it can cause harm to persons and property, damage to the back boiler or insufficient heat being produced.

Diagram of back of stove



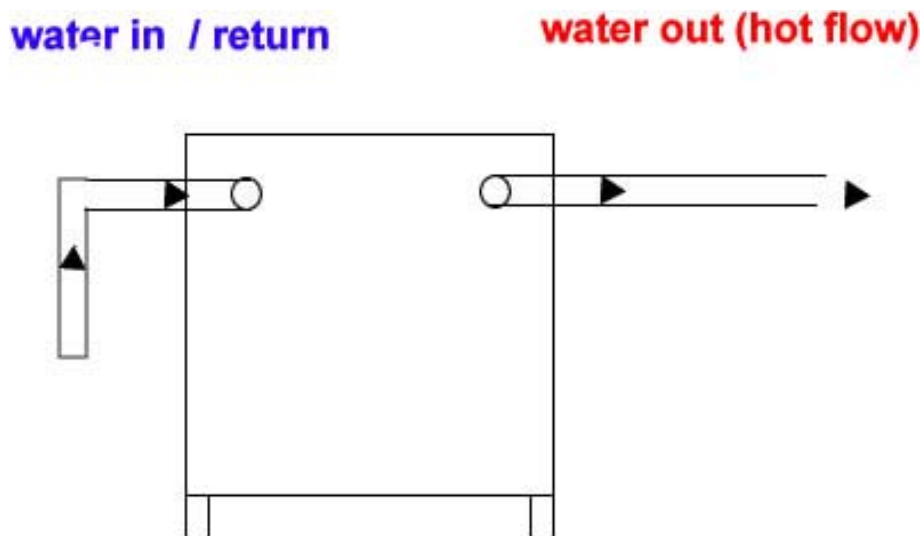
With a back boiler mounted horizontally – it will have no natural ‘gravity’ flow, therefore the two ports on the back boiler can be EITHER flow or return

SAMPLE DIAGRAM OF POSSIBLE FITTING 1.



One method of installation to overcome this is to fit a central heating pump to the circuit as shown above. This forces the water around the heating circuit.

SAMPLE DIAGRAM OF POSSIBLE FITTING 2.



If you wish to have a gravity circuit, then we suggest that the hot water flow RISES from the back boiler and the cold return drops down LOWER than it – thus creating a 'rise and fall' of the water.

Please ensure that the back boiler has an un-restricted open vent and a separate cold feed.

© Naturalheating.co.uk 2007