

THE GRANT COMBISOL

THE INSTANT SOLUTION
FOR INTEGRATING SOLAR
THERMAL SYSTEMS WITH
COMBI BOILERS

PATENT
PENDING

WRAS
APPROVED
PRODUCT



COMBISOL FEATURES:

EASY TO INSTALL

MINIMAL TEMPERATURE
FLUCTUATIONS AT THE TAPS

COMPATIBLE WITH MOST
COMBINATION BOILERS OF
ANY FUEL TYPE

CAN BE USED TO INTEGRATE
OTHER RENEWABLE
TECHNOLOGIES INTO THE HOME

ACCURATELY CONTROLS THE
OUTLET TEMPERATURE OF
STORED SECONDARY HOT WATER



EFFICIENT HEATING SOLUTIONS

RENEWABLE TECHNOLOGY INTEGRATION

With solar thermal systems increasing in popularity in the UK and many new and existing heating installations involving mains pressure combination boilers, a simple, cost effective solution to integrate these two technologies is a must. The Grant CombiSOL is designed to do just that, and is uniquely compatible with most combi boilers and fuel types.



PART No. COMSOL3

HOW THE GRANT COMBISOL WORKS

In a nutshell, the Grant CombiSOL accurately controls the outlet temperature of stored secondary hot water produced by a solar thermal system, directing the flow either straight to the hot water outlet, or via the combi boiler to the same outlet with a seamless changeover. There are additionally minimal temperature fluctuations at the taps.

COMPATIBILITY

The Grant CombiSOL accurately regulates the inlet water temperature to the combination boiler, therefore installing this unit with any combi boiler should not pose a problem, as the mixed water into the appliance is limited to a maximum of 24°C.



TECHNICAL INFORMATION

These uniquely designed thermostatic change-over valves provide a safe and simple solution for adding renewable energies to the home without having the added expense of changing your central heating appliance.

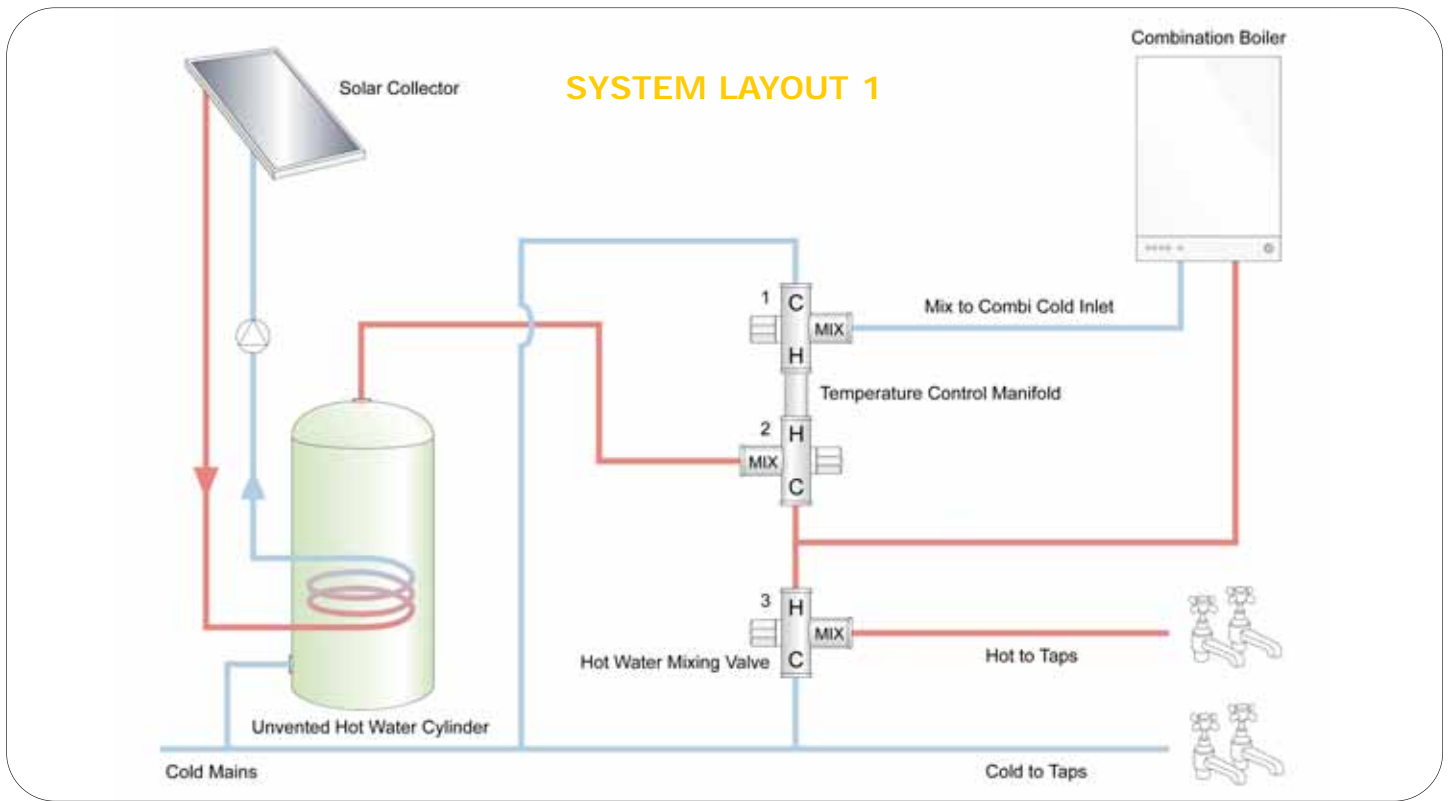
It is important to ensure that the combination boiler can accept an incoming cold mains water temperature of up to 24°C. If in doubt, contact the boiler manufacturer.

Grant's extensive research and development programme has refined the use of each valve (marked clearly on the white cap) to give optimum control of hot water delivery to your taps.

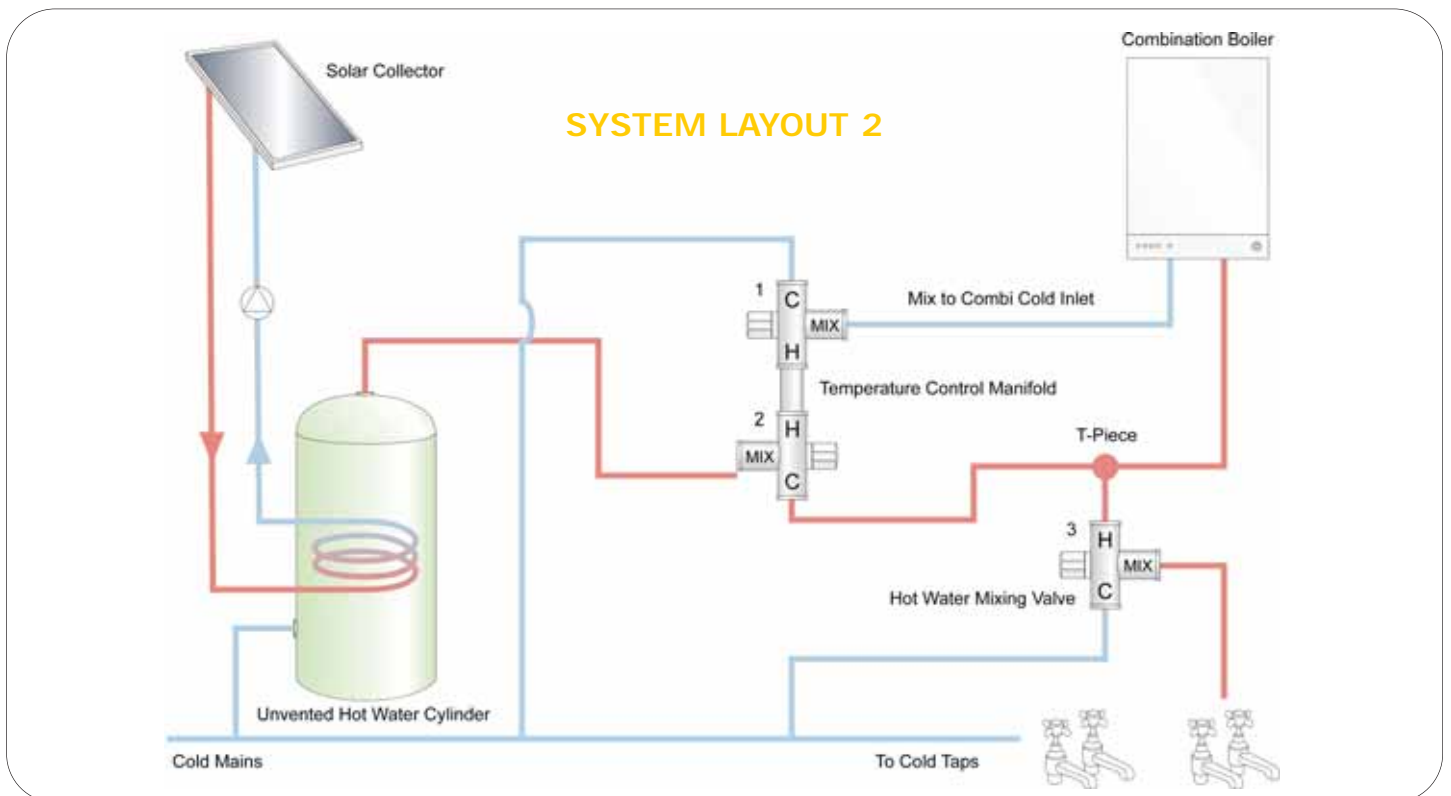
Like all components fitted to potable water, there is a risk of limescale contamination in hard water areas. Precautions should be taken to prevent limescale build up in this valve set. Failure as a result of limescale is not covered by the guarantee.

IMPORTANT

Do NOT interchange any valve as a substitute, however temporary. Each valve has been designed and manufactured to perform a specific function. Failure to follow this instruction will invalidate the warranty.



System layout 1: This shows a vertical layout. The manifold and valve can, of course, be positioned in any orientation that suits the existing system, but please ensure that all connections are accessible, should remedial work be required.



System layout 2: Depending on the layout of the existing system, it may be that the cylinder/store and the boiler are not located in the same area. This scenario should result in an unnecessary pipe having to be installed to take the mix from the manifold to the combi and the hot out from the combi back to the manifold. If this is the case, it is possible to relocate the hot water mixing valve closer to the combi, therefore follow layout 2. Please note: If your boiler already has a thermostatic mixing valve, the hot water mixing valve would not be required.

FURTHER INFORMATION

TRAINING ACADEMY

Grant's purpose-built Training Academy incorporates two air-conditioned lecture rooms, product training workshop, external tuition area, solar thermal installation area and refreshment facilities.

Grant Solar Product Courses are available at the Academy in Devizes. The training covers all aspects of the Grant Solar Range including designing and planning a system, installation, operation and key features and benefits of the product range.



In addition, Grant has now increased its offering to include the Logic Solar Hot Water Certificate and Unvented Domestic Hot Water courses. The Logic Solar Certificate is a two-day course, including assessment, covering flat-plate collectors and fully-filled pressurised systems. The Logic Unvented Hot Water Certificate is intended for plumbers and heating installers who wish to obtain the essential qualification to allow them to install domestic unvented hot water systems, in compliance with the Building Regulations G3 in England & Wales.

INSTALLATION

This valve set must be installed in conjunction with local Building Regulations in force in your area. If local regulations make the use of thermostatic mixing valves mandatory at every point of use, use valve 3 as one of these.

AFTER SALES SERVICE

For peace of mind, The Grant CombiSol is covered by a 2-year guarantee. In the unlikely event of a problem occurring, your installer should telephone our customer service department on:
01380 736920



WEBSITE DOWNLOADS

For further information about the Grant product range or to download our brochures please key:

www.grantuk.com

Our popular website is regularly updated with the latest news and product range developments.

This leaflet is accurate at the time of printing but as Grant has a policy of continual improvement it may be superseded. We reserve the right to amend specifications without prior notice. The statutory rights of the consumer are not affected.

All products manufactured under I.S. EN ISO 9001.

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