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## **INSTRUCTIONS TO INSTALL A WATER BOOSTER TO THE OSBURN 1600**

Water Booster Kit, part no. 983093.

Output is 1.0kW approximately depending on the operating conditions.

This water booster is suitable for left hand or right hand installation.

Water booster tube holes are provided and covered in the back wall of the firebox. All plumbing work must meet the requirements of local plumbing standards. Pipe connections are 1" BSP and the pipe positions are illustrated on the specific Installation Specification Sheets. Special piping methods must be followed to ensure effective circulation, and the hot water storage cylinder will **need to have an internal riser pipe to two thirds of the cylinder height** to discourage unwanted water circulation when the wood fire is not burning. This internal riser pipe must be connected to the flow pipe from the wood fire.

THE HOT WATER SYSTEM **MUST** BE VENTED TO AVOID DANGEROUS EXPLOSIONS.

For effective circulation, the pipes from the wood fire should rise at the rate of one in five toward the storage cylinder, and ideally, the cylinder should be within three meters of the wood fire.

THERE MUST BE NO NON-RETURN OR SHUT-OFF VALVES IN THE PIPES BETWEEN THE WOODFIRE AND THE STORAGE CYLINDER.

A WOODFIRE FITTED WITH A WATER HEATING BOOSTER MUST NOT BE FIRED UNLESS IT IS CONNECTED TO A VENTED STORAGE CYLINDER FILLED WITH WATER FREE TO CIRCULATE.

Installations must comply with New Zealand Building Code clause G12 and Standards AS/NZS 3500.4:2003

To install the water booster follow these steps:

- Remove the two top bricks at the rear of the fire, either left side or right side depending on the installation.
- Refit one of the bricks in a vertical position towards the middle of the fire.
- Remove the rear panel assembly and remove the appropriate knock-out plugs from the panel.
- Remove the appropriate plate which covers the holes in the firebox. It is secured with 4 screws. Put the 4 screws back into the threaded holes to seal the firebox.
- Fit water booster. Ensure that nuts are tight.
- Refit rear panel.
- Replace existing compliance plate with new compliance plate and **transfer serial number**.
- Remove handle from air slide control rod and remove air control panel marked 'D' and replace with new panel marked 'W'. Refit handle.
- Connect water booster to the hot water system.