

INSTALLING A WATER HEATING BOOSTER

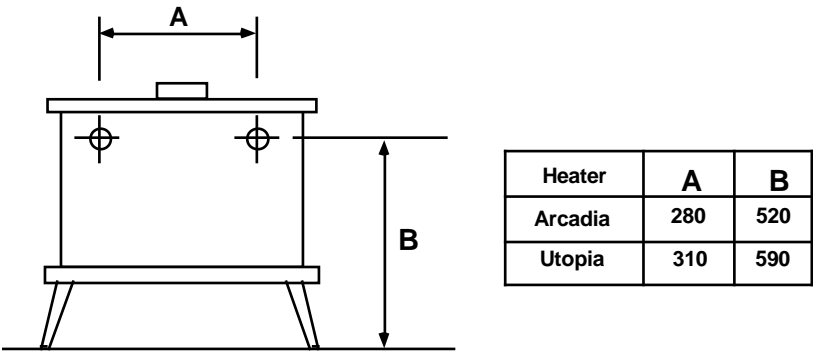
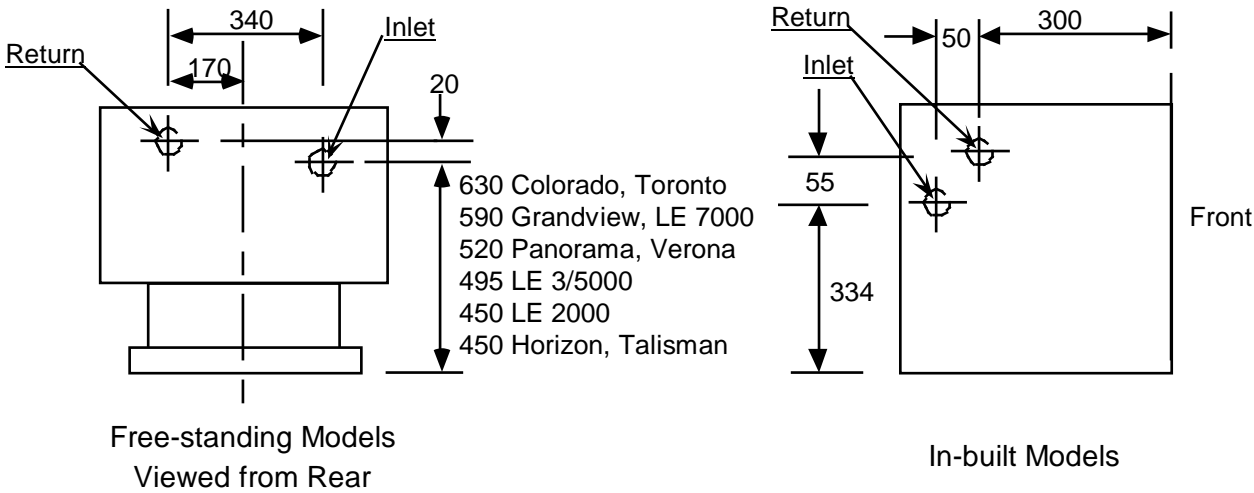
Water heating booster tubes can be fitted to woodfires sold in New Zealand. Fitting a water booster tube converts an /S model into a /W type. If a tube is retro-fitted, in some cases the air metering plate must be changed to ensure that emission requirements are still met. For woodfires installed in the ‘Christchurch’ clean air zones, the new metering plate for LE 3000 and LE 5000 Series 2 is part no. 986178, and for the LE 3000 Provincial Series 2 is part no. 995024. The air metering plate is fitted directly behind the sliding plate that controls the stove heat output, and it can be reached by removing the air control knob (remove the screw underneath), and the air grille. Also, in Christchurch, the LE 3000 and LE 5000 need a special secondary air tube, part no. 994010.

Water booster tube holes are provided and plugged in the back wall of the free-standing firebox and the side walls of the in-built model. All plumbing work must meet the requirements of NZS 4603 unless local building regulations dictate otherwise. Pipe connections are 1” BSP and the pipe positions are illustrated below. Special piping methods must be followed to ensure effective circulation, and the hot water cylinder will need to have an internal riser pipe to two thirds of the cylinder height to discourage unwanted water circulation when the woodfire is not burning. This internal riser pipe must be connected to the return pipe from the woodfire.

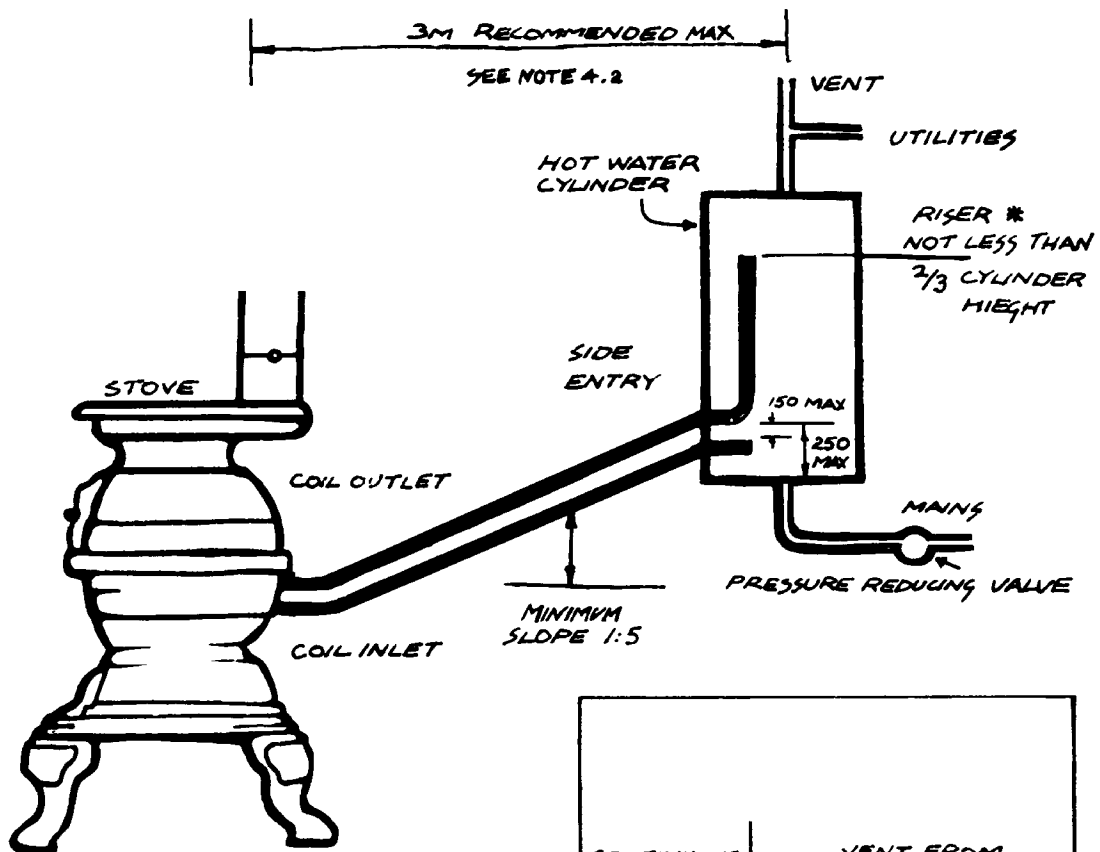
For effective circulation, the pipes from the woodfire should rise at the rate of one in five toward the storage cylinder, and ideally the cylinder should be within three metres of the woodfire.

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

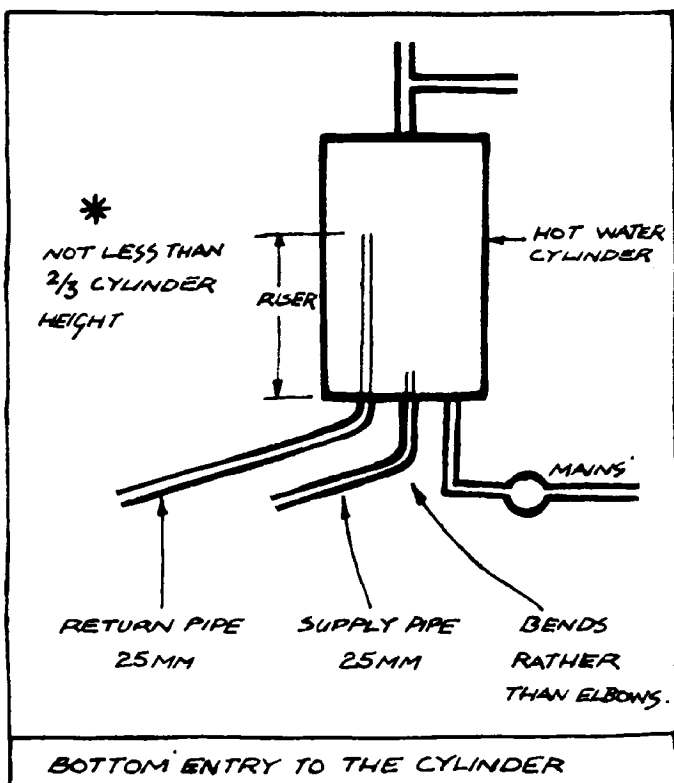
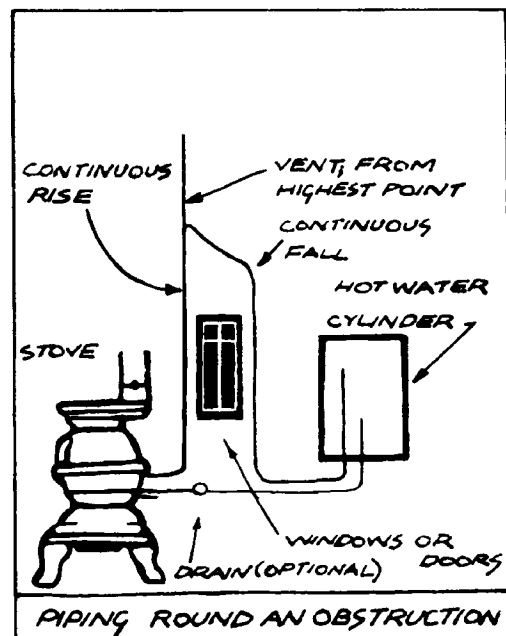
A WOODFIRE FITTED WITH A WATER HEATING BOOSTER MUST NOT BE FIRED UNLESS IT IS CONNECTED TO A VENTED STORAGE CYLINDER FILLED WITH WATER FREE TO CIRCULATE.



Water Pipe Connection positions.



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NOTE: RISER INSIDE CYLINDER
ELIMINATES BULK CIRCULATION
THROUGH COLD STOVE AND
DEPOSITS HOT WATER AT THE
TOP FOR QUICK RECOVERY



These diagrams are manufacturer's recommendations only and may not necessarily comply with Local Body requirements regarding water coil installations. Please check with your local authority before proceeding.