



## Installation, Operating Instructions and Maintenance Guide for M640 and M840 oil stoves

**Important:** Your WellStraler oil stove should only be installed by a qualified plumber, gasfitter or installer qualified by NZHHA trainers.

These instructions are to assist you with safe operating and maintenance that can be carried out by the owner or operator.

If the stove is to be installed on a combustible floor (e.g. wood) then a floor protector should be used. This should be made of plate glass, tiles, brick or any other non-combustible material and extend 150mm in front of the door and 100mm beyond each side and rear of the stove. The stove and floor protector should have a seismic restraint fitted for stability in the event of an earthquake.

Safe clearances from combustible walls are shown in figure 1 and figure 2.

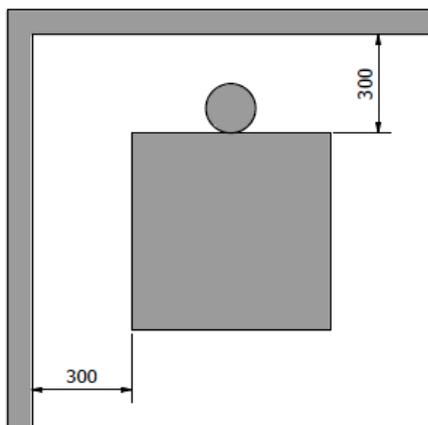


Fig 1

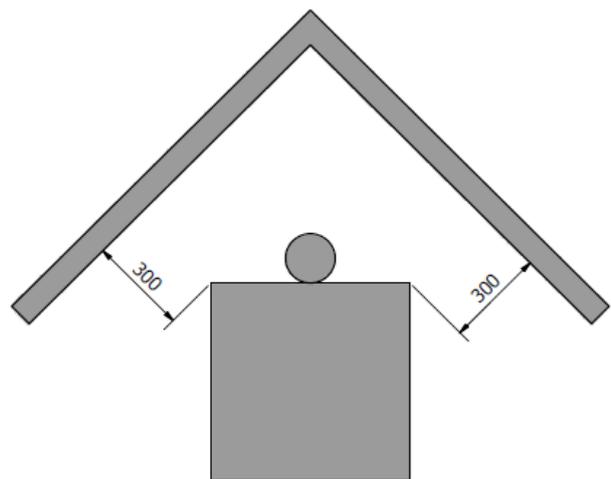


Fig 2

The working pressure from the fuel oil connection to the oil regulator shall not exceed 300 mbar.

## **Flue Installation**

Flue detail for installation in New Zealand is included in the HeatSaver Flue Kit package, available through any authorised WellStraler dealer in New Zealand.

## **Lighting your stove**

### **Only light your stove when cold.**

Warning: Do not attempt to light your oil stove if it is still warm or hot from a previous lighting.

1. Open to stopcock to allow the fuel oil to flow to the stove.
2. Lift the control level at one end of the Toby oil valve.
3. Turn the heat control knob to between  $\frac{1}{3}$  and  $\frac{1}{2}$  open (maximum).
4. Open the door and lift out the catalyser.
5. Make a rough ball/wick out of newspaper cut to about 100mm x 100mm, light and drop into the bottom of the pot burner. Make sure it ignites the diesel fuel.
6. Replace the catalyser and close the door, but not fully. Leave the door open about 20mm for up to 60 seconds only.
7. Once it is obvious the oil has ignited, close the door and set the heat control to the desired setting.

### **Alternative Lighting Method**

- 4a. Do not remove the catalyser
- 5a. Dribble over the top of the catalyser, approx. 20ml of methylated spirit. (Approx. 1 tablespoon)
- 6a. Light the methylated spirit on the top of the catalyser and ensure the flame travels to the bottom of the pot.
- 7a. Leave the door 20mm open for 30 to 60 seconds and close fully once it is obvious that the fuel oil has ignited.

## **Adjustment of the draught regulator**

The position of the draught regulator depends on the amount of flue draught on each installation.

- (i) Strong flue draught = pull out white knob on the left
- (ii) Weak flue draught = push in white knob on the left

The minimum draught required for satisfactory performance of the stove, is 0.1 mbar (warm flue).

The draught regulator should not be adjusted once the trained installer has commissioned the appliance.

## **Turning off the stove**

Turn the heat control knob to 'Ø' and push down the lever at one end of the Toby oil valve. If the stove is to stay off for long periods (i.e. weeks or months) close the external fuel stopcock also.

## **Maintenance**

The required operator maintenance is limited to ensuring no soot build up on top of the firebox baffle and clearing any carbon build up on the fuel nozzle inside the firebox. This is done by pushing down and releasing (2 or 3 times) the spring loaded knob attached to the burner.

**For Full Commissioning Instructions for the installer, go to <http://woodsman.co.nz/resources>**