

The following information has been completed by Beacon Stoves from our experience and is intended to convey what to expect in setting up and running an oil stove.

OIL STOVE INSTALLATIONS

Oil stoves operate by burning a vaporised oil and air mixture, and for a clean and efficient combustion, the air/oil vapour mixture must be correct. The oil control valve regulates the flow of oil, but the airflow is entirely dependant on flue draught.

Flue Draught

Too much flue draught can be remedied, but a lack of flue draught is difficult to overcome. To achieve the best flue draught, the following points should be considered:

- Masonry flues should be lined with flexible stainless steel liner, and insulated with vermiculite.
- Non-masonry flues, or flues running externally, should be of the twin-walled, insulated type.
- An anti downdraught cowl should be fitted.
- An external air vent should be fitted to provide combustion air.
- Minimum flue height, as stated by the stove manufacturer, should be complied with.

Other consideration

When installing an oil stove, the following points should be followed:

- A remote-acting fire valve must be fitted to the oil supply line.
- There should be no soldered joints in the oil supply pipe.
- The stove should be perfectly level for an even burn.

Stoves with boiler

Some oil stoves can be supplied with a boiler. When installing these stoves, the following points should be considered:

- The manufacturers stated maximum distance between the stove and the hot water cylinder must be complied with (to prevent boiler 'knocking').
- The flow and return pipes to the boiler must rise towards the hot water cylinder.
- A heat leak radiator, sized to minimum boiler output, should be fitted.
- It is recommended that high and low limit pipe thermostats be fitted to extend boiler life.

Stove performance N.B;

- It should be noted that the 'coal effect' usually glows only from mid to high stove settings.
- The oil stoves run more efficiently if burning continuously, however they can be switched on and off as required, but it should be noted that smoking up of the glass may occur and more regular servicing may be required.