

TECHNICAL BULLETIN

PRODUCT: WORCESTER OIL APPLIANCES

LOCATION & TEMPERATURE RATING FOR FIRE VALVES:

Ensuring correct operation

All Worcester oil burning appliances should be fitted with a fire valve with an operating temperature above 85°C but not exceeding 120°C.

The fire valve is an essential safety device which should be capable of isolating the oil supply outside the building in the event of an over-heat situation or fire occurring around the location of the appliance.

Fire valves are also required on external appliances even though the oil supply does not enter the building. The valve must be sited at least 1m away from the appliance.

We would normally recommend the use of remote sensing mechanical valves although electronic and fusible link fire valves are also available and suitable to be used with our appliances.

Under no circumstances must a combined isolating/fire valve be used as the sole means of fire protection.

Fire Valve Sensor Location

We provide guidance and a fixing position within the boiler case for the remote sensor; this is normally on the underside of the boiler case cross-member. The sensor should not be fitted in an alternative position within the boiler case.

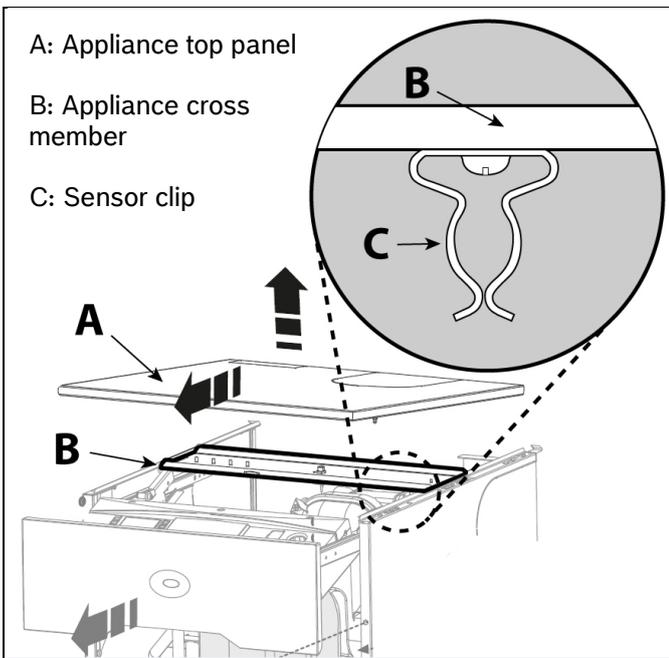


Fig. 1 Typical placement of the Fire Valve Sensor clip

Fitting a fire valve that has an operating temperature below 85°C with the sensor located inside the case of a Worcester oil boiler will result in intermittent nuisance operation of the fire valve which is likely to cause the burner to lockout. The fire valve and appliance will then require re-setting.

When selecting a fire valve to suit an appliance, manufacturer's guidelines regarding fire valve operating temperature and sensor position within the appliance must be followed in order to ensure safe and correct operation of the safety device.

Guidance for existing non-compliant installations

Fire valves may only be installed within the building to improve an existing non-compliant installation, and only where the oil supply pipe was originally run and built into the building fabric. The cut-off point must be immediately where the oil supply pipe enters the building; however this will not make the installation compliant.

If an existing oil supply pipe or appliance is replaced, in order for it to be compliant, the fire valve must be sited outside and the sensor located within the appliance and sited in line with the appliance manufacturer's instructions.

Further guidance regarding fire valve requirements can be found in OFTEC Technical Book 3.

Whilst it is always our intention to fully assist, it is essential to recognise that all information given by the company in response to an enquiry of any nature is provided in good faith and based upon the information provided with the enquiry. We recommend that advice should always be checked with your installer or contract partner. Consequently, the company cannot be held responsible for any liability relating to the use or repetition of such information or part thereof. In addition, whilst making every reasonable effort to monitor the performance and quality of our supply, installation and service network, we do not accept responsibility for the workmanship or operation of any third party company that the company may have promoted either in conversation, e-mail or other communication. Similarly, the views and opinions expressed in communication with individuals within the company may not reflect that of the business as a whole.

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