

# Technical Bulletin

Installation Advice: Pressure Relief Valves integral to Worcester boilers.

## Integral PRV:

The system Pressure Relief Valve (PRV) which is supplied integral to the boiler must be connected to a discharge pipe that complies with the manufacturers installation instructions and BS 6798: 2014 – 7.4.3.

## Remote PRV:

A remote PRV kit is available from Worcester (7-716-161-071) for Greenstar CDi Classic & Greenstar I ErP boilers which permits installation of the PRV above the height of the appliance, allowing installations in below-ground locations, such as cellars. This replaces the integral boiler PRV so the discharge pipe must comply with the same guidance.

The discharge pipe from the PRV must:

- Be metallic unless an alternative material is used that will withstand the temperature and pressures, for the life of the boiler, to which it is likely to be subjected under fault conditions.
- Fall throughout its entire length to a safe point of discharge.
- Have a directly or indirectly visible indication of discharge.

## Combined PRV & Condensate drain:

Worcester also permit the use of a combined PRV and Condensate discharge pipes. If this configuration is used, then a tundish with a non-return valve such as the hotun hiflo or equivalent should be installed.

The tundish must be capable of withstanding PRV discharge temperatures, incorporate a check valve, and should prevent contact with discharging water or steam.

It must be installed in the PRV discharge pipe upstream of the connection to the condensate drain, and must be in a visible position.

The discharge pipework must comply with the guidance provided with the manufacturer with reference to BS 6798: 2014 - 6.3.7.2

The pipework material must be able to withstand the temperatures and pressures and the acidic properties of Condensate. This must not be copper and is likely to be stainless steel or high temperature plastic.

## Secondary PRV:

**You must not connect the integral PRV discharge pipe into the system pipework and fit an additional remote PRV on the system.**

This method does not comply with either the Manufacturer's instructions or BS 6798: 2014. The safe operation of the PRV cannot be guaranteed and the appliance may be categorised At Risk (AR) according to Gas Safe TB 001 (Situation 7.13)

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