

Technical Bulletin

Industry Information: Gas inlet pressure test points and pressure loss between the primary meter installation and the appliance inlet

Clarification of BS 6891 2015 – Gas Valve inlet test point

BS 6891 2015 states:

5.3.2 Pipework: The design pressure loss between the outlet of the primary meter installation and the point to be connected on any appliance inlet shall not exceed 1mbar [for Natural gas, see ** for LPG] at the design installation flow rate (see 5.2.3. and 5.2.4)

5.2.3: For range-rated appliances, the installer shall use the maximum heat input to ensure the pipework is sized to meet the requirements of 5.2.1 and 5.2.2.

NOTE: For combination boilers where the maximum heat input is different for the hot water and heating modes, the higher of the two heat inputs should be used.

5.2.4: For variable-rated appliances, the installer shall establish the heat input necessary to meet the requirements of the system and shall use this value to ensure the pipework is sized to meet the requirements of 5.2.1 and 5.2.2.

NOTE: For combination boilers where the maximum heat input is different for the hot water and heating modes, the higher of the two heat inputs should be used.

8.6 Pressure test points:

8.6.2: Where a suitable test point is not provided with the appliance, a test point shall be fitted at the point to be connected on any fixed appliance inlet.

NOTE: The test point can be incorporated into the appliance isolation valve.

Additional Worcester advice

Worcester Bosch provide an additional pressure loss allowance between the appliance isolation valve and the gas valve inlet test point; this can be found within the appliance Installation & Servicing manuals.

The Gas Valve inlet test point is deemed a suitable appliance inlet test point providing the guidance within the Installation & Servicing manuals is followed. A test point at the appliance inlet connection is not required.

(Ref: 5.2.3 & 5.2.4) Because our condensing boilers modulate to match the load applied, the only way to carry out an accurate pressure loss check or gas rate calculation is to put the boiler into Service Mode

Maximum Output; this will ensure the appliance operates at its maximum possible output.

The appliance Installation & Servicing manual should be referenced for this information.

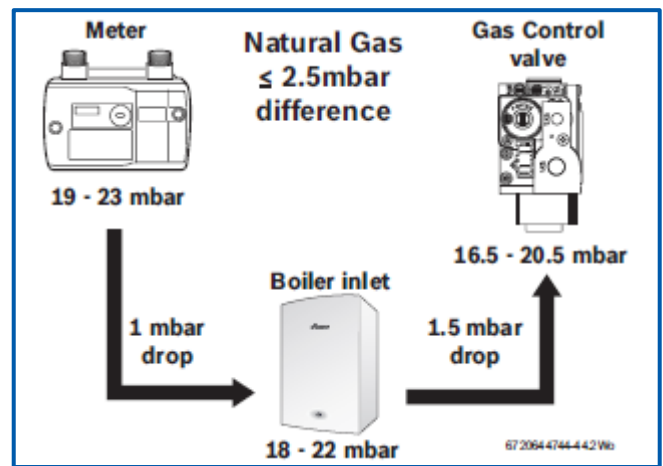


Fig. 1) Extract from a Worcester Installation & Servicing manual

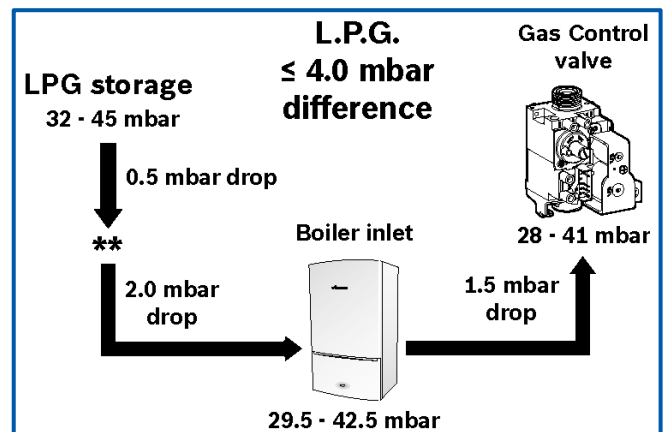


Fig. 2) Modified LPG extract, in line with advice (see **)

**** - The design pressure loss between the outlet of the primary meter installation, or where no meter is installed, the outlet of the ECV or the outlet of the final stage regulator when fitted after the ECV and the point to be connected on any appliance inlet shall not exceed 2mbar at design installation flow rate.**

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