

Title: Testing Inlet / Operating Pressure on Domestic Gas Cooking Appliances

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The Technical Bulletin (TB) is intended to clear up any Gas Industry confusion surrounding the need to install test points on inlet gas pipework when installing Domestic Gas Cooking appliances.

Introduction

Since the publication of BS6891: 2015 *Specification for the installation and maintenance of low pressure gas installation pipework of up to 35mm R (1 ¼)* ⁽¹⁾ there has been confusion in the gas industry on whether, when installing appliances, a test point is required on the gas inlet pipework to check gas pipework adequacy.

When a gas appliance is installed the installing engineer/business must ensure that the gas pipework has been adequately sized and not assume that the gas pipework is adequate.

Requirements as specified in The Gas Safety (Installation and Use) Regulations 1998 (GSIUR) Regulation 26(9) and 33⁽²⁾, BS6891⁽¹⁾ and the appliance instructions regarding pipework testing, sizing and commissioning must be met.

Gas Cookers

When installing a gas cooker, gas safety legislation places a duty on the competent engineer to comply with the requirements of the manufacturer's instructions and recognised industry guidance documents. Most Cooker instructions will advise that the gas pipework supplying the cooker should meet the requirements of the relevant country, for the United Kingdom the gas pipework would need to meet the requirements of BS6891⁽¹⁾.

Several Cooker manufacturers specify that the inlet / operating pressure can be measured on a gas cooker injector and may provide a process to do this.

In the absence of guidance from the manufacturers' and/or where no gas meter is fitted e.g., LPG, the inlet / operating pressure can be measured on an injector by following the process below as long as it is safe to do so.

Process for measuring the inlet / operating pressure at a Cooker Hotplate injector:

Connection using a test adaptor



Connection using an injector



1. Zero manometer.
2. Connect a manometer by using a 'test adaptor' or by directly placing the manometer tube over the injector.
3. Ensure that a good seal is made.
Note: Ensure electrical safety and keep fingers away from the spark electrode.
4. Turn on and light the other hot plate burners / or as the manufacturer describes.
5. Turn on gas to the burner that has the manometer connected, (hold down if FFD fitted).
6. Observe reading.
7. Turn off all burners.
8. Remove manometer.
9. If an injector has been removed to facilitate the 'test adaptor' refit the injector.
10. Ensure results meets manufacturer's requirements.
11. Complete appliance commissioning.

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Developed by Large Business Forum

Note 2: For general information about the process behind the development of Gas Safe Register Technical Bulletins and the expectations for all Stakeholders, see TB 1000⁽³⁾ at: <https://www.gassaferegister.co.uk/sign-in/> - login and visit the Technical Information area.

Bibliography

- (1) BS 6891: 2015 + A1 2019 Specification for the installation and maintenance of low pressure gas installation pipework of up to 35mm R (1 ¼)
- (2) The Gas Safety (Installation and Use) Regulations 1998
- (3) TB 1000 – An introduction to Gas Safe Register Technical Bulletins

Note: Gas Safe Register Technical Bulletins and the Legislative, Normative & Informative Document List can be viewed at: <https://www.gassaferegister.co.uk/sign-in/> - login and visit the Technical Information area