

## Boiler service checklist

### 1. Visual checks

Water leaks  
Signs of damage  
Signs of poor installation  
Suitability of appliance  
Suitability of controls  
Condition of electrics  
Access for maintenance and servicing  
Proximity to combustible materials  
Presence of suitability and condition of any air supply vents  
Condition suitability and sighting of any flue or chimney system  
Signs of overheating/distress

### 2. Gas rate

The measurement of the volume of gas consumed by the appliance to be compliant with the data found in the manufacturers literature. This test can often identify problems with the boilers performance

### 3. Working pressure

There are 3 points of which we receive working pressure

Gas meter  
Appliance inlet  
Burner

These tests are able to identify many problems inc. water in the gas supply, undersized pipework, developing blockages, incorrect commissioning/servicing

### 4. Tests at the gas meter

Operation of the emergency control valve. Presence of electrical safety bonding, secure fixing of the meter, correct sizing and suitability of meter. Presence of correct labelling. Access to the meter and ECV

### 5. Let by

This test ensures that the emergency control valve operates correctly

### 6. Tightness

A test designed to ensure that there is no gas escape from the entire gas system

## 7. Appliance tightness

A specific test to ensure no escape of gas

## 8. Flue gas analysis

A complete test using expensive and complex test equipment to establish the correct and efficient combustion within the appliance often accompanied by adjustments to the gas valve of the appliance.

## 9. Flame picture

A visual inspection of the flame to ensure correct combustion

## 10. Delta T

The measurement of the temperature difference between the water into and out of the boiler. This test allows the engineer to establish the correct function of the system and boiler in many ways.

## 11. Spillage Test

To ensure there is no escape of products of combustion from the flue system

## 12. Flue flow tightness

To ensure the integrity of any flue /chimney system to prevent the escape of products of combustion

## 13. Termination

This check is designed to ensure that any flue/chimney system discharges its products of combustion in a safe manner

## 14. Stability

To ensure the sound fixing or sighting of an appliance

## 15. Combustion and case seal

An inspection to ensure the good condition and function of these seals

## 16.Expansion vessel

To check the correct size, condition and pressure of any and all expansion vessels if required to top up the pressure within any expansion vessel

## 17.Water Quality

Conductivity and PH along with turbidity specialist test carried out by Home Comfort Assured and a small group of elite Engineers. These measurement allow advanced diagnosis of system problems

## 18.Report

Advice given regarding any further actions required to ensure safe and efficient operation of the system