## What does a boiler service include?

**1. Visual checks**

* + Water leaks
	+ evidence of damage
	+ Signs of poor installation
	+ Suitability of appliance
	+ Suitability of controls
	+ Condition of electrics
	+ Access for maintenance and servicing
	+ Proximity to combustible materials
	+ The existence and condition of any air supply vents, and their adequacy
	+ Condition suitability and sighting of any flue or chimney system
	+ Signs of overheating/distress

**2. Gas rate**

The amount of gas used by the appliance is measured to ensure that it complies with the information in the manufacturer's documentation. This examination frequently reveals performance issues with the boiler.

**3. Working pressure**

We experience working pressure from 3 places:

* Gas metre
* Appliance inlet
* Burner

Numerous issues, such as water in the gas supply, inadequate piping, growing clogs, and improper commissioning/maintenance, can be found with these tests.

**4. Gas Meter Tests**

We test the emergency control valve's functionality at the gas metre, if the electrical safety bonding is present, the meter is securely fastened, if the meter is of appropriate size and kind and the existence of accurate labelling using the meter and ECV

**5. The “Let By” Test**

This test makes that the emergency control valve is working properly.

**6. The Tightness Test**

A check to make sure that no gas is escaping from the complete gas system

**7. Appliance resiliency**

A precise test to make sure no gas is escaping from the appliance

**8. Flue gas evaluation**

Adjustments to the appliance's gas valve are frequently made in conjunction with a thorough test utilising expensive and sophisticated test equipment to determine the correct and efficient combustion within the appliance.

**9. Flame image**

An examination of the flame visually to confirm proper combustion.

**10. Delta T**

Measuring the difference in temperature between the water entering and leaving the boiler. The engineer can determine the system's and boiler's appropriate operation in numerous ways thanks to this testing.

**11. Spillage Test**

To guarantee that combustion by-products do not escape from the flue system.

**12. Flue Flow Tightness**

To guarantee the integrity of any chimney or flue system in order to prevent the escape of combustion products

**13. Termination**

This examination aims to confirm that any flue/chimney system discharges combustion products safely.

**14. Stability**

To guarantee that an appliance is soundly fixed or sighted

**15. Case seal and Combustion**

An inspection to verify the functionality and good health of these seals

**16. Expansion vessel**

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

**17. Water Quality**

A specialised test for turbidity, conductivity, and PH.

**18. Report**

Advice offered on any additional steps necessary to ensure the system operates safely and effectively