



Plumbing & Heating

Underfloor Heating Systems

We specialise in underfloor heating system which is a modern and efficient way to heat your home. This usually consists of a cable heating element woven into a mat, which is installed beneath the tiles before they are laid down. The benefits are that it is energy-efficient and cost-effective, using power comparable to that of a large television.

Our GFCI-protected thermostat ensures safety by instantly shutting off power in the event of a short circuit or other electrical issues. When installing we embed the cable-fed mat into the mortar, ensuring it is positioned at least 4 inches away from toilets, walls, showers, and tubs. Careful placement eliminates cold spots, as temperature differences can reveal any gaps after installation.

Key installation steps include:

- ❖ Weaving the sensing bulb into the mesh at least 12 inches into the warming area
- ❖ Ensuring thermostat wires are evenly spaced between heating elements
- ❖ Connecting the thermostat to the electrical box
- ❖ Applying a flat layer of mortar over the heating element to secure it
- ❖ Setting tiles using a notched trowel for optimal adhesion

Additional steps, such as testing the heating element before installation, routing the electrical system properly, and final system checks, will be handled by our expert contractors.

Fuse Boxes

Your fuse box is the heart of your home's electrical system, distributing power safely and efficiently. We provide installation and upgrades for both new and existing electrical systems.

Our Process:

- ❖ **Power Shutoff:** Before any work begins, the main power supply is switched off for safety.
- ❖ **Installation of 240V and 120V circuits:** High-voltage circuits are installed in the main fuse area, while standard 120V circuits are placed in the middle section.
- ❖ **Secure Connection:** The box is closed after installation, and fuses are carefully plugged into their designated slots, ensuring firm and correct connections.

Our qualified electricians ensure your system will comply with the latest safety regulations, providing you with a reliable and safe electrical system.

Vented, Unvented Hot Water Systems

Both vented and unvented hot water systems use cylinders to store hot water, but they differ in how they are supplied.

Vented Systems

- ❖ Supplied via a water tank (usually positioned above the cylinder)
- ❖ Relies on gravity to distribute water
- ❖ Affordable and easy to maintain
- ❖ Water storage provides backup supply during outages
- ❖ Water pressure depends on tank height (higher placement improves pressure)

Unvented Systems

- ❖ Directly connected to the mains water supply
- ❖ Provides stronger water pressure without relying on gravity
- ❖ No need for a storage tank, reducing the risk of contamination
- ❖ If the mains water supply is cut off, water flow stops entirely
- ❖ More complex installation and may not be compatible with all setups

We will assess your home's plumbing system and then help you choose the best option based on your needs and preferences.

Direct Heating Systems

A direct heating system will connect heat emitters directly to the boiler, offering a cost-effective and powerful heating solution.

- ❖ Efficient and easy to maintain
- ❖ Lower installation and maintenance costs
- ❖ Safe for unsupervised use
- ❖ Direct connection means a leak could lead to excessive heat loss or potential damage

This system is perfect for homeowners looking for a straightforward and efficient heating solution.

Gas & Electrical Safety Certificates

Rental properties should have valid Gas and Electrical Safety Certificates to confirm compliance with regulations. All of our engineers are Gas Safe and Electrically Certified therefore ensuring:

- ❖ Safe and compliant installation of gas appliances, flues, and pipework
- ❖ Electrical work meets all legal codes and standards
- ❖ Peace of mind knowing your home or rental property is up to standard

We handle all testing, inspections, and certification to keep your property legally compliant and safe.



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