

HEATING & CONTROLS



Boiler Types Explained

- Combi Boilers: Ideal for small households with limited space. They don't require a hot water cylinder, providing hot water on demand.
- System Boilers: Better for larger households using a lot of hot water. These require a hot water cylinder but no tanks.



Boiler Types

SUGGESTIONS & TIPS



- Space Considerations: Combi boilers save space by eliminating the need for a cylinder. System boilers need more room for storage.
- Energy Efficiency: Both types are efficient, but combi boilers reduce heat loss since they don't store water.
- Expert Advice: Speak to a qualified engineer to decide which boiler is best for your home.



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Night Storage Heaters

Modern storage heaters use cheaper night electricity to store heat for use during the day.

- Input: Adjust daily for how much heat to store overnight.
- Output: Control how much heat is released during the day.
- Close the output at night to avoid unnecessary costs.



Night Storage Heaters

SUGGESTIONS & TIPS



- Set input higher during colder weather and lower during milder conditions.
- Use the output control to maintain a steady temperature and avoid overheating.
- Modern models include programmable controls—check your heater’s manual for guidance.
- Watch the Night Storage Heater Controls video here: <https://www.youtube.com/watch?v=aEVHmy-71ak>



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Direct Electric Heating

Direct electric heating is versatile and uses electric radiators or panel heaters. Best for small spaces or occasional heating.



- Pros: Quick and easy to install.
- Cons: More expensive to run than gas heating.

Direct Electric Heating

SUGGESTIONS & TIPS



- Use only in well-insulated rooms to avoid high running costs.
- Turn on program heaters only when needed.
- Avoid leaving heaters on overnight—set timers instead.
- Consider using portable electric heaters as a short-term solution in emergencies.



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Heating Controls

- Use heating controls to manage energy use and lower bills.
- Timers/Programmable: Heat only when you need it.
- Room Thermostats: Set between 18–21°C for comfort.
- TRVs: Adjust radiators individually.



Heating controls

SUGGESTIONS & TIPS



- Set heating to turn on 30 minutes before you wake up or return home and off 30 minutes before you leave.
- Use TRVs to lower radiator settings in unused rooms but avoid turning them off completely.
- Keep boiler water temperature at 60°C (65°C if using a hot water tank).
- Learn more from the Central Heating Controls video here: <https://www.youtube.com/watch?v=RKVQQxHuEPU>



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Saving on Hot Water

- Water Temperature: 60°C is sufficient to kill bacteria without wasting energy.
- Lagging: Insulate your hot water cylinder and pipes to reduce heat loss.
- Simple Habits: Fix dripping taps and take shorter showers.



Hot Water SUGGESTIONS & TIPS



- Install low-flow showerheads to reduce water use.
- Run washing machines with full loads and use eco settings.
- A water meter can help monitor and lower water use: check your eligibility with Severn Trent Water.
- Mend dripping taps: a single drip wastes litres of water daily.



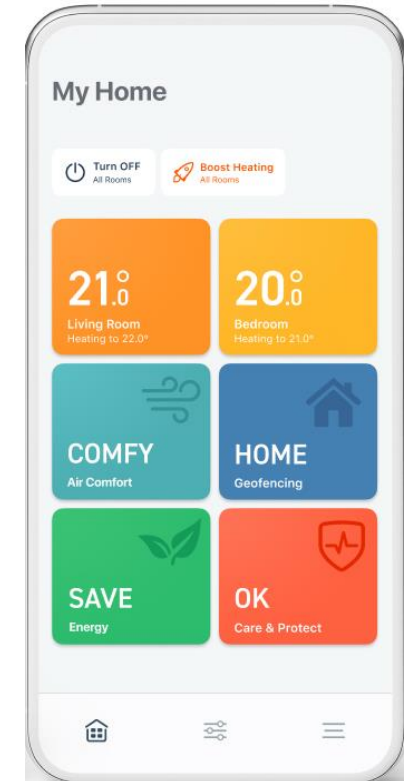
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Smart Heating Tips

Smart heating controls can save energy and money:

- Adjust heating remotely via apps.
- Use programmable thermostats to set different temperatures for different times.
- Some systems use weather forecasts to optimize settings automatically.



Smart Heating SUGGESTIONS & TIPS



- Smart apps let you delay heating if you're running late.
- Set rooms to heat individually rather than the whole house.
- Use load or weather compensation features to adjust boiler output based on conditions.
- Talk to an engineer to find smart systems compatible with your boiler.

