



Benefits of a clean system

Correct water treatment is the simplest and cheapest way to ensure your boiler and central heating system is protected from breakdown.

Investing in a new boiler is a significant purchase, the boiler is one of the most expensive and critical appliances in the home.

Modern condensing technology has made boilers smaller and more energy efficient to reduce fuel consumption and minimize domestic carbon emissions, however miniaturization has also meant that the narrow channels within the boiler are more susceptible to blockages from circulating debris.

Correct water treatment when installing or servicing a boiler, could save thousands of pounds on early, preventable boiler replacement or repair, as well as heating your home for less.

Lower gas bills*



Boiler warranty compliance



Extend boiler lifespan



Optimize performance



*Independently verified when Protector F1 is used in conjunction with Cleaner F3, you can achieve up to 15% gas savings every time you heat your room.

Service Engineer comments:

What happens if my system is clean?

If your heating system has been cleaned, or if it just needs a top-up of inhibitor for continued protection, your installer will add Protector F1.

Protector F1 maintains the correct pH level of system water and stops sludge and rust from forming, helping to keep the system clean and efficient long term.

It is important to remember that if the system is drained down for any reason, the inhibitor needs to be re-dosed.

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FERNOX
MAKES WATER WORK

MAINTAIN THE COMFORT





Testing your central heating system water

To maintain a trouble-free system your installer will service your boiler and check the quality of the system water, to make sure everything is in optimum condition. They will advise if any necessary action is required.

Dirty water and sludge in your heating system, caused by corrosion and scale, reduces system performance and in serious cases may result in system failure. Sludge also collects in the pipework and at the bottom of radiators; consequently, cold spots and system noise occurs as the boiler switches on.

Sludge also clogs the boiler's narrow waterways, damaging vulnerable components such as the pump and heat exchanger – ending in boiler breakdown. Overall a dirty heating system uses more gas and on a daily basis is more expensive to run.



Did you know...

Your boiler warranty may be invalidated if the source of the problem is dirty system water.

Installing an A-rated efficiency boiler on a dirty central heating system reduces its performance level in days!



1 Sludged radiators cause cold spots and encourage fuel wastage



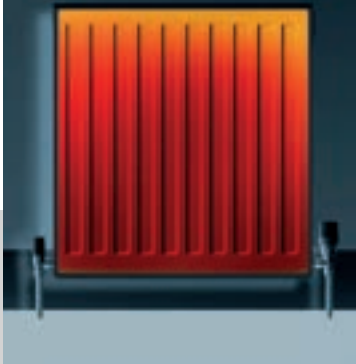
2 Clogged pipework takes longer to heat up the system



BEFORE...

The damaging effect dirty water and sludge has on your central heating system

1 Clean radiators conduct heat more efficiently



2 Clear pipework allows the system to heat up faster



AFTER...

A clean system will heat your home more efficiently and costs less to run!



What if my system is found to be dirty?

Depending on how dirty your central heating system is, will dictate what treatment your installer recommends.

A lightly sludged system may only require a chemical clean with Fernox Cleaner F3 Express, but a heavily sludged system may require a Powerflush. When cleaning, your engineer will add Cleaner F3 to your system, before returning to drain the system down and refill it with clean water.



For the ultimate clean, choose powerflushing!

Powerflushing tackles the whole system by isolating each radiator – flushing out the scale, sludge and rust that is lodged even at the bottom of radiators and within pipework – restoring the central heating system to optimum condition. Powerflushing is the most effective method of cleaning*



* Source: As detailed in the approved document; The Code of Practice BS 7593: 2019 Part L Building Regulations (England & Wales)