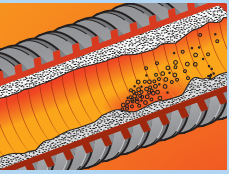
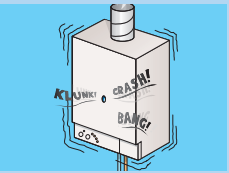


The problems



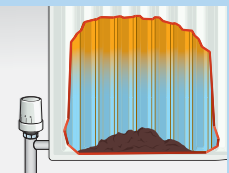
Fuel wastage

Without treatment, corrosion debris will accumulate in the boiler causing increasing limescale deposits, reduced heat transfer and up to a third of a fuel bill going to complete waste.



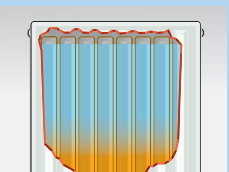
Boiler noise

This increases in frequency and intensity as deposits of sludge and scale build up in an unprotected boiler.



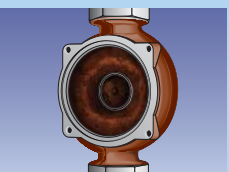
Cold spots

The familiar cool low central area of a radiator indicates a build-up of black sludge sediment that restricts flow and reduces heat.



Frequent venting

When the top of a radiator is cold during operation, either air or hydrogen is to blame. Hydrogen gas builds up as a by-product of electrolytic corrosion and is flammable (due caution is required).



Pump seizure and failure

The abrasive and magnetic properties of black oxide sludge increase shaft and bearing wear in pumps causing them to stick or fail.

The solution

Pre-commission cleanse new systems and thoroughly cleanse existing systems with Fernox Restorer or Fernox Superconcentrate System Cleaner before adding a suitable Fernox Protector to maintain efficiency and ensure the longevity of the system.

Our Benchmark is excellence

Fernox strongly support the BENCHMARK initiative. Introduced in October 1999 Benchmark was launched to improve the standards of installation and commissioning of central heating systems in the UK and to encourage the regular servicing of all central heating systems to ensure safety and efficiency.

The Fernox range of protection and restoration products helps meet the recommendations of the code of practice, and facilitates both pre-commission and existing system cleansing in accordance with BS7593:1992 "A code of practice for treatment of water in domestic hot water and central heating systems".



Please ask your installer for details on the Benchmark Scheme.



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Power flushing

The most efficient and effective method of cleansing a central heating system



Fernox

With over 30 years experience in the field of domestic water treatment Fernox have developed a range of products to help maintain the efficiency of central heating systems and to ensure their long term protection against the damaging effects of corrosion and limescale.



As the original manufacturer of the very first power flushing unit – the squid – in 1987 Fernox have continually invested in research and development and have recently launched the new Powerflow flushing pump. With all the latest design features the Fernox Powerflow flushing unit will ensure a fast and effective system clean.



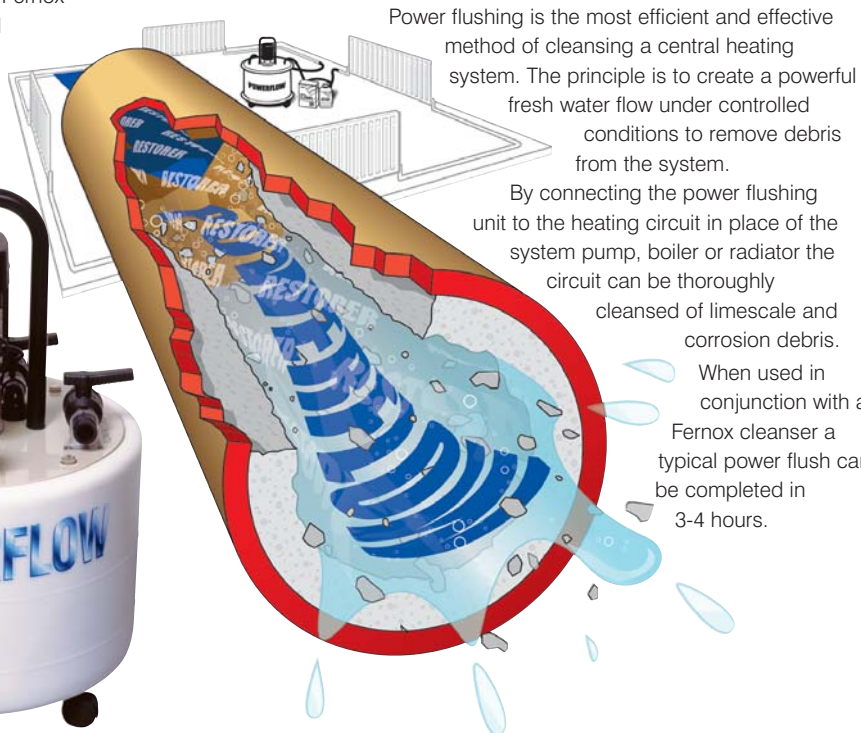
The cleaning and treating of central heating systems

All new systems should be pre-commission cleansed in accordance with BS:7593 and Benchmark. This ensures flux residues, excess jointing compounds, mineral oil and other contaminants that can be found in the system following installation, and that can effect the performance of the system or cause component failure, are removed.

It is important when installing new boilers into old systems that all sludge is first removed from the system or this could accumulate in the new boiler and lead to premature failure. Additionally, in hard water areas existing systems will have accumulated limescale together with corrosion deposits in the heat exchanger, which could easily have reduced the boiler efficiency by over 5%.



What is power flushing?



Fernox Restorers

- Removes sludge and scale and restores heating efficiency in existing systems
- Removes flux residues and other installation debris
- Eliminates boiler noise
- Non-acidic neutral formulation (environmentally friendly)
- Conditions the system prior to adding a Protector
- Compatible with all metals and materials commonly used in heating systems



System protection

Whether pre-commission cleaning new systems or restoring existing systems, all systems should be protected against any further attack from corrosion or limescale after cleansing by using a properly formulated corrosion and scale Protector.

Fernox Protectors

- Provides long term protection against corrosion of all metals
- Prevents build-up of black sludge
- Saves on fuel bills through improved efficiency
- Prevents sticking pumps
- Effective scale reducer
- Stops frequent venting of radiators
- Compatible with all metals and materials commonly used in heating systems

