



## 57882 - Cleaner F3 500ml

Cleaner F3 is an effective, universal pH neutral, non-foaming liquid cleaner, which removes sludge, scale and debris from existing central heating systems to restore heating efficiency and eliminate boiler noise. When commissioning new systems in accordance with local regulations and best practice, Cleaner F3 is ideal to remove flux residues and other installation debris to help extend the life of the boiler and the efficiency of the system. It is suitable for use when powerflushing to accelerate the cleaning process. It is a non-hazardous product which is compatible with all metals commonly used in heating systems, including aluminium.

- Effective, universal cleaner for pre-commissioning new and existing heating systems
- Removes sludge, limescale and other installation debris to restore energy efficiency and extend system and boiler life
- When used in conjunction with Protector F1 gas savings of up to 15% can be achieved every time you heat your room
- Compatible with all metals and materials commonly used in heating systems, including aluminum
- One 1 pint recyclable bottle treats up to 34 gallons of system water (16 radiators)
- pH Neutral, non-hazardous, non-foaming formulation, which is fast and easy to remove from the system - saving time on-site

# Application

A single dose of Cleaner F3 treats a larger sized property with a heating system of 34 gallons, up to 16 radiators, or 250 sqm of underfloor heating. Additional/repeat applications of Cleaner F3 may be necessary for larger systems, or if systems are heavily sludged. Alternatively, Power Cleaner F8 may be used for heavily sludged systems.

First drain and refill the entire system with plain water. For optimum results the entire system, including drop feed radiators where fitted, should be completely drainable. Preferably, full bore gate valves with hose connectors should be provided temporarily for this purpose. Motorised and thermostatically controlled valves must be set so that no part of the system is closed off during cleansing, or rinsing. Discharges must be made to the foul drain and not the surface water drain. For open vented systems add Cleaner F3 via the header tank. For sealed systems add via a suitable dosing point, or use Fernox Cleaner F3 Express 400ml.

Fernox Cleaner F3 can also be used in conjunction with a powerflushing unit. In this case, please refer to the unit manufacturer's instructions. When pre-commission cleansing new systems, Fernox Cleaner F3 should be circulated for a minimum of one hour at normal operating temperature. For cleaning existing systems, sludge and debris should be dispersed also within one hour at normal operating temperatures. However, to remove hardened iron oxides and limescale, the cleaning time can be extended to up to one week under the normal heating cycle. If a radiator still has a cold spot after one hour, increase the flow through the radiator by closing the valves on the other radiators.

An additional or repeat dose of Cleaner F3 may be necessary in some cases. Drain and flush thoroughly, at least twice, until the water runs clear. When using Cleaner F3 with a powerflushing machine, cleaning should be completed within an hour. Use dynamic flushing with plain water until the water is clear. Refill the system adding Fernox Protector F1 for long term protection against corrosion and limescale. In single feed indirect cylinders, e.g.'Primatic' or similar, potable water chemicals must be used.

"Cleaning a central heating system using Fernox F3 Cleaner and protecting with Fernox F1 Protector can restore and maintain system efficiency, resulting in a gas saving of up to 15% every time you heat your room. This saving is equivalent to 110 Kg CO2e per typical home per year."\*

\*independently verified

# Packaging, Handling & Safety

Fernox Cleaner F3 is supplied in 500 ml bottles.

Fernox Cleaner F3 is classified as non-hazardous for human health, but as with all chemicals, keep out of reach of children. In case of contact with eyes or skin, rinse immediately with plenty of water.

# Specification

Colour: Amber

Odour: Faintly aromatic

Form: Liquid

pH (conc): 6.4

pH (in-use) 6.5 - 7.7

SG: 1.145 @ 20°C

# Volumetrics & Barcodes

Barcode EAN	5014551578821	OCU Barcode	05014551000896
Single Unit Weight (kg)	0.6	Outer Carton Weight (kg)	6.13
Single Unit Height (mm)	182	Outer Carton Height (mm)	195
Single Unit Width (mm)	88	Outer Carton Width (mm)	268
Single Unit Depth (mm)	52	Outer Carton Depth (mm)	182

## Safety Data Sheet (US-EN-US)

[https://files.plytix.com/api/v1.1/file/public\\_files/pim/assets/45/7d/ae/5f/5fae7d45c573435950d65e1e/texts/fc/dd/f4/62/62f4ddfc83fadbd27cbf2f44/57882\\_US\\_EN.pdf](https://files.plytix.com/api/v1.1/file/public_files/pim/assets/45/7d/ae/5f/5fae7d45c573435950d65e1e/texts/fc/dd/f4/62/62f4ddfc83fadbd27cbf2f44/57882_US_EN.pdf)

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