

# Boiler Commissioning Kit

## 59480

- Complete pack for cleaning and protecting a central heating system.
- Protector F1 & Cleaner F3 1 pint treat a larger sized home of up to 34 gallons, up to 16 radiators, or 2960 sq ft of underfloor heating.
- Supplied with a Fernox Express Inhibitor Test Foil Pack (x2 test strips) and Fernox pH Test (x4 test strips)
- The Fernox Protector F1 provides long-term protection against internal corrosion and limescale formation in central heating systems.
- The Fernox Cleaner F3 is a universal, fast acting and effective pH neutral cleaner for central heating systems, designed to remove debris, sludge and scale from existing systems.



The Fernox Boiler Commissioning Kit is the complete solution to cleaning and protecting a central heating system. It includes the Fernox Cleaner F3 (1 pint), Fernox Protector F1 (1 pint), Fernox Express Inhibitor Test Foil Pack (x2 test strips) and Fernox pH strips (x4 test strips).

### Application

Fernox Protector F1 gives long-term protection of domestic central heating systems against internal corrosion and limescale formation. It is suitable for all types of boiler, radiators and pipework systems. Protector F1 is compatible with all metals and materials commonly used in central heating systems. It is suitable for use with all types of water, including softened water and deionised water. A single dose of this product treats and protects a larger sized property with a heating system of 34 gallons, up to 16 radiators, or 2690 sq ft of underfloor heating. For open vented systems add via the feed and expansion tank. For sealed systems add via a suitable dosing point (e.g. a towel rail, or an in-line system filter). Alternatively, use a suitable dosing vessel to inject the product into the system. In single feed indirect cylinders, e.g. 'Primatic' or similar, potable water chemicals must be used. Protector F1 has been formulated to have best-in-class pH buffering ability, which keeps system water pH between 6.5-8.5, giving optimum protection for mixed metal systems.

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. 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.

### Package, Handling & Safety

Individually packaged with instructions included. No special storage requirements.

Fernox Protector F1 and Fernox Cleaner F3 are supplied in 1 pint bottles and 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

Protector F1

Form: Light yellow liquid

Odour: Slightly aromatic

pH (conc.): 8.3

pH (in-use): 7.8-8.5

SG: 1.14 at 20 °C

Cleaner F3

Colour: Amber

Odour: Faintly aromatic

Form: Liquid

pH (conc): 6.4

pH (in-use) 6.5 - 7.7

SG: 1.145 @ 20°C

### Single Item

**Barcode EAN** 5014551594807

**Last modification** 25-09-2025 (d/m/y)