

FERNOX

MAKES WATER WORK

BOILER BUDDY

- Removes magnetite, rust and magnetic materials from heating systems to sub-micron level
- Unique opportunity for condition monitoring of central heating systems
- No pressure or flow drop, even when the filter is completely full
- Magnetite trapped with no wash-off
- Simple to connect
- Slots into existing circulator position when replacing a conventional with a condensing boiler
- Easy to remove for cleaning
- Compatible with all Fernox Cleaners F3 and Protectors F1



Product Uses

The Boiler Buddy is a premium quality, in-line, high efficiency, magnetic filter that uses award winning*, patented flux plates and a magnet to remove ferrous particles from system water. From technology that is used in Formula 1 motor racing, the Boiler Buddy has been designed to complement the Fernox cleaning range, ensuring the collection of magnetite, rust and magnetic particles which are present in central heating systems and to prevent potential component damage by erosion from circulating debris or deposition. Unlike conventional filters the patented plate design not only traps magnetite to sub-micron levels, but it also ensures that the filter does not restrict flow, even when full. The clear housing enables the build-up of debris to be observed and offers a unique opportunity to provide a window on the central heating system for condition monitoring. When powerflushing systems, simply isolate the Boiler Buddy at the connection points, remove and powerflush across the in-situ connections.

* Millennium Award for Innovation

Application

The Boiler Buddy is connected directly into ¾" copper pipework using conventional pump connectors. Boiler Buddy can be installed horizontally or vertically. The off-set inlet and outlet ports enable the Boiler Buddy to be fitted flush to a wall in existing pipework.

How to clean the Boiler Buddy magnetic core:

1. Close off the valve connectors at the inlet and outlet to isolate the Boiler Buddy from the system.
2. Unscrew the valve connectors and Boiler Buddy slides out easily without the need to disturb pipework. Remember to employ best practice to protect property for wet works.
3. Remove the tamper proof clip, loosen the clamp and slide off.
4. Either rinse the magnetic core under flowing water, or brush off dry. In either case, cleaning via water flow or brushing should be effected perpendicular to the magnets. Care should be taken to dispose of contaminant in appropriate manner.
5. Once clean replace the core, refit the washer and clamp, reconnect and continue use.

Boiler Buddy Dimensions

Maximum Working Pressure	5 bar g (72 psi g)
Cold Hydraulic Test Pressure	10 bar g (145 psi g)
Maximum Temperature	85° C (185° F)
Inlet and Outlet Port Thread size	1 ½" BSP Male
Minimum flow area through the Magnom™ core is equivalent to	DN 20mm(NPS ¾")
Contaminant Capacity (depending on system conditions)	50 -150 g (2 - 6 oz)
Contaminant Storage Volume	41.5 cm ³ (2.5 in ³)
Body Material	Polysulphone (PSU) Udel P-1700 HC
Clamp Material	Carbon Steel
Flux Plate Material	Stainless steel AISI 430
Mandrel Material	Acetal (POM) Hostaform C9021 GV1/30
O-ring Material	Viton
Magnet Material	Ferrite C5/C8
Dimensions	150 x 130 mm (6" x 5 ¼")
Weight	0.613 kg
Available Spares	Body o-ring Magnom™ core

