

HyperFlush EXTRA power pH neutral flushing chemical



- Cleans during normal operation of heating system.
- Extra solvency power dissolves and mobilises rust and sludge.
- For use with all metals used in heating systems, including ferrous metals, brass, copper, aluminium and galvanised steel.
- Cleans during normal operation of heating system.
- Suitable for use with systems of all ages.
- 0.5% dosage rate (0.5lt per 100lt water).

What it does:

HyperFlush is a high performance chemical cleaning product that removes accumulated corrosion debris and light scale from heating and chilled water systems during normal operation. HyperFlush works at a near neutral pH. There is no "gassing" during cleaning, and no need to bleed radiators during the process.

How it works:

Anionic wetting agent ensure that the contaminated surfaces are hydrophilic, allowing surface cleaning additives to reach and loosen deposits from the surface.

Dispersant polymers then lift unreactive magnetite debris (black iron oxide), which cannot be dissolved, into suspension, for removal during the final system flush period.

Red iron oxide (haematite) is converted into a water soluble iron complex that is swept away with the water flow.

Corrosion inhibitors are included in Hyper-Flush to give temporary system protection between cleaning and the addition of SystemSafe-DM corrosion inhibitor.

The self neutralising and passivating properties of HyperFlush remove the need for neutralising after use, and metal surfaces are left clean and corrosion free.

Method of use:

Add to the heating system up to 14 days prior to flushing, with normal operation of the heating system during this time. If the system

is not power flushed, a minimum of 48 hours is recommended.

If the system is vented, add HyperFlush to the feed and expansion tank after isolating water supply and draining off an adequate quantity of water. Allow system to re-fill.

After the treatment period, drain down the system as rapidly as possible, and re-fill with fresh water treated with SYSTEMSAFE-DM scale and corrosion inhibitor to prevent further corrosion.

Using with a CLEARFLOW pump:

A system flush will be more effective when using a power flushing pump. HyperFlush should be added to the CLEARFLOW tank during the power flushing operation, once heavily contaminated system water has been flushed to waste with high velocity water.

Circulate Hyper-Flush for a minimum of one hour before once more dumping system water to waste. Guidance notes supplied with the CLEARFLOW pump should be followed.

Pre-commission cleaning:

For pre-commission cleaning, circulate Hyper-Flush at normal temperatures for at least 6 hours, and drain down when convenient, to a maximum of 14 days. After draining, re-fill the system with fresh water treated with SYSTEMSAFE-DM corrosion inhibitor.

Dosage rate:

1/2 litre (500ml) is sufficient to treat a typical central heating system of 100 litres capacity (approx 12 radiators).

Larger heating and cooling systems should be dosed at 0.5% of system volume.

Pack sizes:

cartons of 12 x 500ml, 2.5 litre, 10 litre and 25 litre drums.

Technical data

Appearance: clear liquid

Odour: slight

S.G. @ 20°C: 1.34

pH of 10% solution: 7.1

Solubility: miscible in all proportions.

Non toxic: non irritant; non hazardous.



10 litre pack of Hyper-Flush for larger systems.



Benchmark

The Benchmark Scheme aims to improve the standards of installation and commissioning of domestic heating and hot water systems in the UK and to encourage regular servicing to optimise safety, efficiency and performance. Installers are required to carry out installation, commissioning and servicing work in accordance with the Benchmark Code of Practice which is available from the Heating & Hot water Industry Council at www.centralheating.co.uk