



Chemicals for power flushing and the care, maintenance and protection of heating systems



2.5 Lt and 10 Lt pack options

Power flushing chemicals and neutraliser

Corrosion inhibitor

PowerFlush FX²

for use with steel, cast iron, stainless steel, copper, brass, bronze & plastics. (not aluminium)

PowerFlush FX² is designed for use with power flushing pumps, and is the flushing liquid to choose for the most rapid and effective results. It is a vigorous 'one shot' flushing and descaling liquid which starts to work immediately after addition to a system. PowerFlush FX² enables heating engineers to thoroughly cleanse a heating system **in just one visit.**



The most powerful flushing chemical you can buy!

PowerFlush FX² rapidly dissolves and mobilises the rust, sludge, and corrosion deposits which accumulate in systems as a result of gradual decay, whether from corrosion as a result of bad design and air ingress, or lack of an effective corrosion inhibitor.

Removal of these deposits can cure or prevent circulation problems such as completely or partially cold radiators, frequent circulating pump failure, and boiler noises caused by debris accumulating in the heat exchanger.

HyperFlush Concentrate

for use with older systems, those containing aluminium, and as a power flush pre-treatment.

HYPER-FLUSH Concentrate is a neutral pH power flushing liquid with **extra** solvency power to take debris into suspension for easy removal by power flushing.



It penetrates, loosens and dissolves rust, sludge, corrosion, and light scale deposits, during normal operation of the system, without formation of particulate matter to cause blockages and damage pumps.

HYPER-FLUSH Concentrate should be used on older systems showing signs of severe neglect and which may be in too poor a condition for use of Power Flush FX² liquid.

HYPER-FLUSH Concentrate is suitable for use on systems which have boilers with aluminium heat exchangers, or those with aluminium radiators.

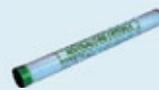
It can loosen complete blockages, and is an excellent pre-treatment for systems with radiators having a heavy sludge build up.

It may be used with all metals commonly used in heating systems, and does not cause deterioration of non-metallic components.

There is no "gassing" during power flushing, and metal surfaces are left clean and corrosion free.

There is no need to use Neutralising Crystals with Hyper-Flush Concentrate.

Neutralising Crystals



are used after Power-Flush FX², and should be added to the CLEARFLOW tank after the final 'dump' (when water leaving the dump hose is crystal clear), circulated briefly, and then flushed to waste.

This ensures neutralisation of any residues.

Systemsafe-DM Concentrate corrosion & scale inhibitor

carries the **Buildcert / DWTA logo**, proof that it has passed a tough performance test in an independent laboratory.



Performance tested!

Systemsafe-DM Concentrate gives long term protection to central heating systems, preventing corrosion, scale deposition and boiler noises. It extends the life of systems, and maintains operational efficiency.

Before adding to a new system, we recommend a pre-commission cleanse with SYSTEM PRE-CLEAN Concentrate.

Existing systems should first be flushed with a CLEARFLOW power flushing pump, particularly when a new boiler is being added to an older installation, in order to protect the boiler warranty.

The exact dosage level is not critical, as SYSTEMSAFE-DM Concentrate will work effectively within a +/- 10% range. The exact level may be checked with a SYSTEMSURE test kit, ideally on an annual basis.

Water treatment products for the care, maintenance and protection of heating systems.

Boiler noise cure

System-Hush Concentrate

Some systems can be susceptible to noise problems as a result of baked on corrosion and limescale deposits on boiler heat exchangers. Whilst power flushing often cures this, in some systems it may be an ongoing problem.



Addition of SYSTEM-HUSH Concentrate, together with SYSTEMSAFE-DM Concentrate, is recommended, to cleanse the heat exchanger during normal system operation.

It commences working immediately, but may take 2 to 3 weeks for full effect. It is not necessary to then drain the system, but SYSTEMSAFE-DM Concentrate inhibitor should be added to prevent further scaling or corrosion.

Pre-commission cleanser

System Pre-clean Concentrate

New and modified heating systems invariably contain installation debris and foulants such as flux, jointing compounds, copper swarf, oil and grease, and even casting sand.



In order to prevent pinholing of radiators, and other corrosion problems, it is important to thoroughly flush new heating systems with SYSTEM PRE-CLEAN Concentrate.

It eliminates and neutralises installation debris, and conditions and prepares metal surfaces of new and modified heating systems.

Non-toxic antifreeze

Freezbreaker LT

Low-toxicity BS6580 specification anti-freeze additive to protect heating and cooling systems down to -32°C.



Suitable for use with all materials used in heating and cooling systems, including aluminium.

Dosage rate for Freezbreaker LT
Ascertain volume of water within heating system, and calculate volume of FREEZ-BREAKER required as follows:

25% solution for protection to -12° C.
33% solution for protection to -17° C.
50% solution for protection to -32° C.

General application instructions for

SYSTEMSAFE-DM Concentrate

HYPER-FLUSH Concentrate

SYSTEM-HUSH Concentrate

SYSTEM PRE-CLEAN Concentrate

500ml (1/2 litre) of these products is sufficient to treat a typical central heating system of 100 litres capacity (approx. 10/12 radiators). To ensure that all the product enters system, add to the feed and expansion tank after isolating water supply and draining off 15 litres (3 gallons) of water. Allow system to refill.

Alternatively, a SYSTEMSURE IK6 injector may be used to inject products directly into a radiator, in vented or sealed systems, or via the filling loop of sealed systems. Comprehensive instructions are provided with each injector.

For larger heating and cooling systems, dosage rate is 0.5% by volume of system.

Dosage level of Systemsafe-DM Concentrate should be checked annually to ensure continued protection of the heating system.

Specific instructions for PowerFlush FX2

2.5 litres of Power Flush FX2 should be used to treat a typical heating system of 100 litres capacity (approx. 10/12 radiators). Use 5 litres if the system has severe flow problems, or has microbore piping.

Specific instructions for Hyper-Flush Concentrate

HYPER-FLUSH Concentrate is best added to a heating system between two and fourteen days prior to power flushing, with normal operation of the heating system during this time.

Specific instructions for System Pre- Clean Concentrate

Add SYSTEM PRE-CLEAN Concentrate and operate system for at least one hour, with all radiator valves open. It is not necessary that system is hot during this period, although heat will generally improve the efficiency of the operation. Switch off pump & boiler, and drain system as rapidly as possible through a full bore drain point.

PACKAGING

PowerFlush FX2

cartons of 4 x 5 litre, 25 litre drums.

PowerFlush FX2 Value-Pack

4 x 2.5 litre Power Flush FX2 + 4 one-shot tubes of Neutralising Crystals.

FX2 Chemical Eight-Pack

(all the chemicals for 8 power flushes)
4 x 5 litre Power Flush FX2, 8 one-shot tubes of Neutralising Crystals, 8 x 500ml Systemsafe-DM Concentrate inhibitor, 1 x 5 metre roll pH paper.

Neutralising Crystals

cartons of 20 x 100g one-shot tubes, cartons of 6 x 2.5 kg pails, and 15 kg pails.

Systemsafe-DM, Hyper-Flush, System Hush & System Pre-Clean Concentrates

Supplied in cartons of 12 x 500ml, cartons of 2 x 2.5lt and 10 lt drums.

Freezbreaker LT

cartons of 4 x 5 litre, and 25 litre drums.