



## Power flushing accessories -

a range of accessories to make power flushing faster, easier, and more effective.

**CombiMag magnetic power flushing filter**



**CombiMag Dual combination magnetic power flushing filter and heater**



**CombiMag Twin magnetic power flushing filter for larger power flushing pumps**



**CP2 circulator pump head adaptor**



**CombiHeat power flushing heater**



Each product is supplied with full operating instructions.

## Power flushing accessories...



### CombiMag magnetic power flushing filter

**Reduces power flushing time, increases efficiency and saves water.**

The CombiMag power flushing filter uses a powerful rare earth magnet to remove black iron oxide corrosion debris from the flushing water.

The filter is installed in circuit with the power flushing pump. The cyclone construction directs contaminated water through the magnetic field so that even small particles are retained on the magnet, from

which they may be easily cleaned. Collected debris is prevented from re-entering the heating system.

The transparent cylinder enables engineers to see when the magnet needs cleaning. Debris retained on the magnet is an impressive visual aid and demonstrates to householders what has been removed from the system, and that the clean has been professionally carried out.

The CombiMag has an integral by-pass, and it is not necessary to interrupt the power flush to clean the magnet. A robust tool box provides protection, and an additional hose length means that the CombiMag is ready for immediate use with a Clearflow or other power flushing pump.



### CombiHeat electric power flushing heater

**Heats system water to boost flushing chemical efficiency.**

The CombiHeat is an optional heating element for use with the CombiMag power flushing filter. The CombiMag screw cap and magnetic

element are removed from the canister, and replaced with the CombiHeat heater element.

It provides heat to the system water when the boiler is not operational, speeding up a power flush and enabling engineers to check radiators for even heat distribution. The CombiHeat can be used to apply heat specifically to one or two problem radiators when normal power flushing has failed to remove heavy, adhesive deposits. The corrosion resistant element enables the CombiHeat to be used with all power flushing chemicals in common use.



### CP2 circulator pump head adaptor

**The easiest way to connect a power flushing pump in to a heating system; enables complete flushing of systems with a combination boiler.**

The CP2 adaptor enables power flushing pumps to be connected to the body of standard heating system circulator pumps, after removal of the pump motor head. The compact dimensions allow for connection to circulator pump bodies even when located within a boiler casing as in combination boilers.

It is unnecessary to disconnect the circulator pump unions which are often seized and difficult to remove. When using a CP2, the circulator pump body, which often contains considerable corrosion debris, is included in the cleaning process along with the radiator circuit.

On combination boiler systems, use of the CP2 also enables the primary water circuit of the plate heat exchanger to be flushed by operation of the hot water demand control, without removing the exchanger from the boiler.



### CombiMag Dual combination magnetic filter and heater

**CombiMag filter and CombiHeat heater in a convenient twin cylinder unit.**

The CombiMag Dual combines both magnetic filter and electric heater in one unit.

The dual unit enables water

to be both filtered and heated at the same time, for optimum effect. It is supplied in a strong case together with an extension hose to enable it to be fitted between the power flush pump and the heating system.



### CombiMag Twin high capacity magnetic power flushing filter

**Twin cylinder filter unit for use with high performance flushing pumps.**

The CombiMag Twin power flush filter is intended for use on commercial heating systems which may contain large quantities of

corrosion debris, in conjunction with the Clearflow CF90 or CF210 power flushing pumps.

Two 11,000 gauss rare earth magnets with a total surface area of more than 400 cm<sup>2</sup> quickly remove circulating black iron oxide contamination from the flushing water.



### Systemsure IK6 chemical injector

**Enables chemicals to be added into sealed and vented systems through radiator bleed valves, and filling loops.**

The Systemsure injector is used to inject liquid corrosion inhibitors and flushing chemicals directly into the main flow of a heating system through either a radiator air bleed valve screw or a filling loop, using the supplied adaptors.

There is no need to drain off any water beforehand, or to enter the loft to access an f&e tank, or re-pressurise sealed systems after injecting the chemical.



### RadHammer radiator vibrator.

**Loosens compacted debris from radiators.**

The RadHammer radiator vibrator is used with an SDS drill to apply high frequency vibration to radiators during a power flush to loosen compacted corrosion debris for easy removal.

## ...in detail



### Plate heat exchanger adaptor set

**Enables plate heat exchangers to be thoroughly flushed and descaled.**

Plate heat exchanger adaptors are manifold type adaptors which enable descaling and power flushing pumps to be attached to the water inlet and outlet sections of plain

punched hole type heat exchangers in order that they may be flushed to remove scale and corrosion debris.



### Infra-red laser spot thermometer

**The engineer's eye inside a heating system.**

The spot laser beam infra-red thermometer gives an instant temperature reading at the point marked by the red laser beam spot. Scanning the surface of a radiator with the thermometer before, during, and after a power flush can indicate problems, and then demonstrate the progress and efficiency of the flush to give improved heat output. The wide range of -50 to +500°C also enables the thermometer to be used to check flue temperatures.



### Systemsure water analysis kit

**Enables system water to be checked for corrosion and contaminants.**

The Systemsure water analysis kit enables engineers to determine the characteristics of water in a heating system, and to understand the causes of problems. This enables selection of the appropriate treatment to cure problems and prevent future system failures. The kit includes a

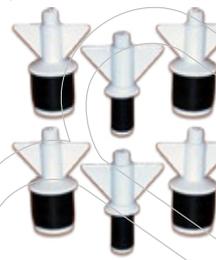
test to enable annual checking of the correct level of corrosion inhibitor in the heating system as advised by boiler manufacturers.



### Turbidity tube for water clarity

**Checks clarity of water after a power flush.**

A turbidity tube is used to check and demonstrate the clarity of system water after a power flush, giving a measurable standard that suspended debris has been completely removed rather than relying on a subjective reading by eye.



### Pipestopper plugs

**Enables expansion and cold feed pipes to be quickly 'capped off' before commencing a power flush.**

Pipestopper expanding plugs are a quick and efficient way to cap off pipe work when necessary, to

temporarily convert a system into a sealed system prior to a power flush. After inserting into a pipe end a few turns of the butterfly will seal the pipe up to a pressure of almost 10 bar.



### Electric syphon pump

**Saves time and mess when emptying feed and expansion tanks of vented systems.**

Before sealing off feed and expansion tanks to make a system sealed for the duration of a power flush, it is necessary to empty the tank first. This battery operated syphon pump does away with the need to bail the tank out, effortlessly emptying tanks faster and without mess or risk of water damage.



### EcoTestr electronic TDS meter

**Checks water purity after a power flush.**

The EcoTestr TDS meter measures total dissolved solids in a sample of water. A comparison of TDS levels between mains water and dump water during flushing can be used to confirm the efficiency of a power flush. After flushing a heating system, the water should have a TDS reading within 10% of the mains water supply.



### Ecotestr electronic pH meter

**Checks system water to ensure a neutral pH.**

Used to check system water for neutrality after a power flush, ensuring that all residues of acidic flushing chemicals have been removed.



### Waterproof maintenance mat

**Prevents accidental water damage**

When working on heating systems it's

easy to get a few splashes on the floor. The 1350 x 2000mm maintenance mat may be used underneath a power flushing pump to prevent damage to floors and carpets. Slip resistant and totally waterproof, with an absorbent top layer. Machine washable.

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