

# Power Flushing Guide

## Central heating problems?

### Why do heating systems need protecting?

As soon as a heating system is completed and filled with water, deterioration of the system begins. The combination of water, air, a mixture of metals, and even installation debris and contaminants, can result in internal corrosion, sludge formation in low flow areas, and scaling of boilers and heat exchangers.

Symptoms include cold panels in radiators, blocked radiators, irritating boiler noises, a long recovery time after drawing off hot water, an inadequate water supply, and failure of pumps, radiators, and valves.

These problems are not inevitable, and good care and maintenance of a system, and the addition to the heating system of a quality corrosion and scale inhibitor, such as SYSTEMSAFE-DM, will prevent and often cure them.

Systemsafe-DM carries the Buildcert / DWTa logo, to show that it has passed a tough corrosion cell test in a laboratory independently monitored by Buildcert to ensure compliance.



Approved to the DWTa Performance Standard

### THEN A CLEARFLOW POWER FLUSH COULD BE THE ANSWER

- *Is the system slow to warm up?*
- *Are some radiators completely or partially cold?*
- *Do radiators need frequent bleeding?*
- *Is radiator water dirty and discoloured?*
- *Radiators with pin hole perforations and leakage?*
- *Are there 'kettling' noises from the boiler?*
- *Do you have repeated pump failures?*



Any of these symptoms could indicate that your system has circulation and flow problems resulting from internal corrosion and the subsequent formation of rust, sludge, and scale deposits.

A Clearflow power flush can restore circulation and efficiency to the heating system by removing these undesirable products. It purges them from the system, and replaces aggressive water with clean water, chemically treated with Systemsafe-DM corrosion inhibitor to prevent future problems.

### Fitting a new boiler to an existing heating system?

Modern boilers, developed to minimise fuel costs and pollution, have compact heat exchangers with narrow waterways, and this makes them more susceptible to problems caused by debris in the water.

Boiler manufacturers insist that heating systems are thoroughly flushed according to BS7593 : 2006 when installing a new boiler. A Clearflow power flush is far more effective than traditional methods, and ensures that the boiler installation complies with 'best practice' standards.

CLEARFLOW power flushing professional:

Correct use of the CLEARFLOW power flushing pump is the responsibility of the pump operator.

**Kamco**  
Central Heating Solutions

Power flushing pumps,  
chemicals, and  
corrosion inhibitors

**Ask your CLEARFLOW professional for advice - see the back page of this leaflet for details**