



**ADROIT**  
SERVICES LIMITED  
PLUMBING & HEATING



**BIG ENOUGH TO  
DO THE JOB,  
SMALL ENOUGH TO  
CARE...**

# POWER FLUSH INFORMATION

**ADROIT SERVICES  
LIMITED**



**Honeywell**



**Glow•worm**  
The energy you need



# POWER FLUSHING

## CENTRAL HEATING PROBLEMS?

- Does the system slowly warm up?
- Are some radiators partially or completely cold?
- Do the radiators need bleeding frequently?
- The radiator water dirty/discoloured?
- Do the radiators have pin hole perorations and leak?
- Noisy boiler?
- Does the pump fail repeatedly?

## WHY HAVE YOUR HEATING SYSTEM POWER FLUSHED?

- Fix flow and circulation issues
- Restores efficiency to the system.
- Restores radiator output.
- Cleans the entire system.
- Rids of any aggressive water/undesirables.
- Cures/ prevents any boiler noise.
- Prevents any further corrosion.
- Minimises boiler warranty problems.

A power flush does this by replacing aggressive water with clean water that is chemically treated with Systemsafe-DM corrosion inhibitor to prevent future problems.



# WHAT HAPPENS DURING A POWER FLUSH?



The Clearflow power flush is connected into the heating system, either across the standard circulator pump couplings, across the tails of a radiator, or wherever is most suitable.

Power flushing works by pumping water at a much higher velocity than usual through the heating system which loosens and moves harmful corrosion deposits and to suspend them in the fast-flowing water. The process is a highly effective cleansing process which is made more effective by:

- specialist cleansing chemicals.
- an instantaneous flow reversal device which creates turbulence in the radiators to optimise the collection of debris.
- a magnetic filter to clean the water inside the system during the power flush.



Once the debris is loosened, it is purged from the system via clean water. Once the flushing process is completed the system contains fresh clean water. The reinstatement of the system to normal operation will only take a few minutes.

During this process, the radiators are individually flushed, without disconnecting them or removing them from the system. This is done by directing the full output of the pump through each radiator separately. Our engineers will agitate the radiator to help remove any stubborn sludge.

Clearflow power flushing is suitable for most domestic wet central heating systems as it is not a high-pressured operation. The process has little disturbance and disruption to the normal operation of the system, often without the need to disconnect the boiler or radiators.



Agitation of the radiator



Magnet before



From dirty water to clean water in your system



Magnet after





## Why do heating systems need protecting?

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

*A power flush will protect the system.*

Modern boilers (Designed to minimise fuel cost and pollution) have compact heat exchangers and narrow waterways which makes them more vulnerable to issues caused by debris in the water.

According to BS7593: 2006 that when installing a new boiler, the heating system must be thoroughly flushed.