

Power Flushing

Power flushing is an excellent way to pre-commission clean new heating systems, to remove excess flux, swarf and other debris, and the grease and oil used to prevent rusting of components before use.

It is recommended to power flush a heating system immediately before fitting a new boiler to an existing system to prevent possible future problems. Many systems are found to contain corrosion and sludge, even if no flow problems have yet shown themselves.

Existing debris is often mobilised by alterations to the system or piping and may accumulate in the boiler heat exchanger, causing noisy operation, reduced efficiency and, in extreme circumstances, failure of the boiler. The high efficiency and compactness of modern boilers, developed to minimise fuel costs and pollution, means that they are more vulnerable to problems caused by debris in the system water.

The power flushing process is a versatile, easy to use and highly effective method of flushing heating systems. By utilising the system-flushing pumps, heating systems can be purged of sludge, scale and corrosion deposits with minimal dismantling and disruption.

How Does It Work?

The power flushing pump is connected into the heating system, either across standard circulator pump couplings, across the tails of one radiator, or wherever most practicable. The powerful flow, combined with instantaneous flow reverser device, will dislodge and move deposits and corrosion, which resist traditional system cleaning methods.

Once the corrosion and sludge deposits have been loosened and mobilised, fresh clean water is forced through the heating system, pushing the contaminated water out through a full bore dump valve to waste. During the process, radiators are individually flushed, without removing or disconnecting them from the system, by directing the full output of the pump through each radiator separately.

At the end of the flushing process, the system contains fresh clean water and reinstatement of the system to normal operation takes only a few minutes.

System flushing will not remedy design or mechanical faults, which should be rectified, but in many cases it will cure the problems caused by these.