

FINGAL COUNTY COUNCIL STANDARD SPECIFICATION

PROCEDURE FOR FLUSHING OF HEATING SYSTEMS

Upon any new installation of heating systems including new boilers, heat pumps or cylinders and on completion of all the distribution pipework, the Contractor must flush out the heating pipework and radiators with a suitable cleanser. All items of equipment such as the new air to water heat pump, circulating pump, hot water heater and magnetic system cleaner installed on the system pipework, must be removed or isolated during the pipework flushing activities.

Step 1- Sludge remover or acidic cleaner (a chemical) gets added to the system to loosen up sludge. This can be done hours or days in advance depending on the chemical used.

Step 2- Power flush machine, with ability to reverse circulation, or pre-approved equipment is connected to the system.

Step 3 - Each radiator gets flushed in turn with the other radiators turned off. There is no need for physical removal of the radiators as it would make cleaning the pipes leading to and from that radiator impossible.

Step 4 - Frequent flow reversals during flushing to disturb the maximum amount of sludge, agitation carried out on the individual radiator.

Step 5 - Magnetic filter gets used with the power flush machine to remove sludge faster and more effectively.

Step 6 - Boiler, heat pump, radiators and all pipe work get flushed until water runs clear.

Step 7 - Inhibitor (a chemical) gets added to system to prevent sludge in future. (Subject to manufacturers approval/warranty)

Step 8 - System gets re-balanced radiator by radiator.

Step 9 – Log produced of chemicals used and final PH test.