

# Method statement for cleaning and treating existing commercial systems.

## Using **Fernox Cleaner HVAC F3** and **Fernox Protector HVAC F1**

### Procedure

1. Identify and rectify mechanical faults.
2. Add **Fernox HVAC F3** at a concentration of 0.5% of system volume via a suitable point (e.g. a dosing pot).
3. Circulate under normal operating conditions for five - seven days until acceptable flow around the system has been achieved. For heavily sludged systems an additional clean with **HVAC F3** may be required.
4. Drain the system, preferably whilst hot, and flush with cold water until the water is nearly clear and **HVAC F3** has been rinsed from the system. **Fernox HVAC F3** will usually be removed after three complete flushes. A **Fernox TDS Meter** can be used to ensure that the total dissolved solids have been satisfactorily removed. The system can be regarded as being thoroughly flushed when the system water value is within 10% of the mains water value. Differences over 10% mean that significant cleaner residues have been left in the system and further flushing is required. If not removed cleaner residues will promote corrosion and negate the cleaning process.
5. Once the system has been checked, dose with **Fernox HVAC F1** at a rate of 0.5% of system volume.
6. A System Health Check sample can be taken from the system and the mains and sent to the Fernox technical department for analysis, to check the Iron content and to ensure that the **HVAC F1** is dosed to the correct level.
7. A copy of the report can then be forwarded to the supervising agent if applicable, for retention on file.