

Method statement for cleaning and treating new commercial systems

Using **Fernox HVAC F3** and **Fernox HVAC F1**

Procedure

1. Identify and rectify mechanical faults.
2. Add **Fernox HVAC F3** at a concentration of 0.5% of system volume to the new system via a suitable point (e.g. a dosing pot).
3. Circulate under normal operating conditions for at least one hour at normal operating temperature.
4. Drain the system, preferably whilst hot, and flush with cold water until the water is clear and **HVAC F3** has been rinsed from the system. **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 ensure that the **HVAC F1** is dosed to the correct level.
7. A copy of the chemical report should then be forwarded to the supervising agent if applicable, for retention on file.