

METHOD STATEMENT FOR CLEANING AND TREATING EXISTING COMMERCIAL SYSTEMS



Using **Fernox FC3 Cleaner**, **Fernox FC1 Inhibitor**, **Fernox FC1 Filter Fluid + Inhibitor** and the **TF1 Delta Filter**.

Procedure

1. Identify and rectify mechanical faults.

2. Add **Fernox FC3 Cleaner** at a concentration of 1% 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 **FC3 Cleaner** may be required.

4. Drain the system, preferably whilst hot, and flush with cold water until the water is nearly

clear and **FC3 Cleaner** has been rinsed from the system.

FC3 Cleaner 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. Fernox recommends the installation of an in-line commercial filter such as the **TF1 Delta Filter** to ensure continued long-term protection of the heating system.

6. Once the system has been checked, dose with **Fernox FC1 Inhibitor** or **Fernox FC1 Filter Fluid + Inhibitor** at a rate of 1% of system volume.

7. A **System Health Check** sample should be taken from the system and mains water

and sent to the Fernox technical department for analysis, to check the Iron content and to ensure that the **FC1 Inhibitor Filter** or **FC1 Fluid + Inhibitor** is dosed to the correct level.

8. A copy of the **System Health Check** report will be forwarded to the contractor / installer and a copy will be kept on file.

Fernox Technical Services can be contacted on +44 (0) 330 100 7750 for further advice or visit www.fernox.com.



FERNOX RECOMMENDS: Fernox TDS Meter; Fernox System Health Check; Fernox FC3 Cleaner; Fernox FC1 Filter Fluid + Inhibitor; Fernox FC1 Inhibitor; Fernox TF1 Delta Filter.