

Instructions for use

Whilst a power flushing pump can circulate system water in either direction, the initial set-up should be such that the water flow after leaving radiators passes through the CombiMag Dual before entering the boiler to provide it with a higher level of protection in the early stages of the power flush.

1. Place the CombiMag Dual adjacent to the power flushing pump on a suitable tray.
2. Select the required direction of flow and position the flow reverser lever in that direction.
3. Install the CombiMag Dual on the flow from the flushing pump using the short (1½ metre) coupling hose supplied. Connect the flow to the bottom connection on the filter.
4. Using the power flushing pump standard flow and return hoses connect both the pump and the top connection on the CombiMag Dual to the heating system.

Operating instructions - CombiMag Filter

1. Turn on the power flushing pump and immediately check all connections, and the top of the cylinders for leaks.
2. After initial circulation for approximately ten minutes, turn both three-port valves 180° into the **BYPASS** position.
3. Remove the securing ring from the top of the magnet cylinder and, gripping

the handle firmly, carefully lift out the magnet.

Note: the magnet is very powerful and is strongly attracted to steel surfaces. Take care not to trap fingers and avoid contact with sensitive equipment.

4. Inspect the magnet for deposits and, if necessary, clean as follows:

5. Grip the cylinder

wearing disposable gloves, grip and slide the magnetite sludge down and off the magnet (see pictures below).

Note: It is advisable to only remove a proportion of the deposits with each stroke, starting at the lower end of the magnet, rather than all at the same time. Clean the end of the magnet.

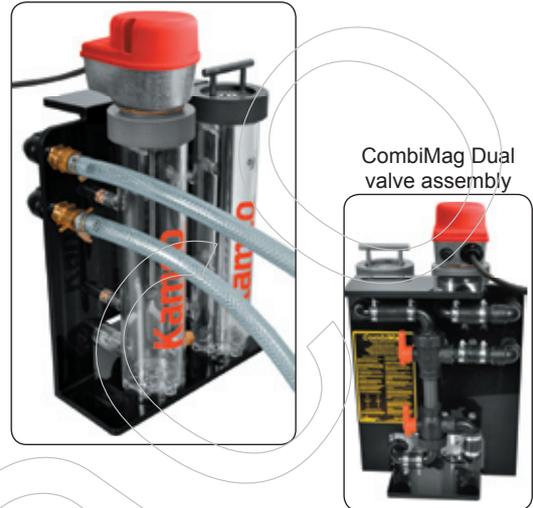
6. Collect the sludge in a suitable container for later disposal.
7. Re-assemble the CombiMag Dual ensuring that the magnet locates within the circular recess at the base of the cylinder, and turn both three-port valves back into the **CIRCULATE** position.
8. Repeat inspection and cleaning procedure as required during the flushing process.

Cleaning the magnet

It is not necessary to remove all deposits during the intermediate cleans whilst power flushing. However, to ensure a long life the magnet should be thoroughly cleaned and dried at the end of each job.

Caution

The CombiMag generates a very powerful magnetic field. When removed from the cylinder, keep away from electronic equipment, watches, mobile phones, credit cards etc.



Operating instructions - CombiHeat Element

Set the pump flow reverser so that the water flow enters the bottom of the cylinder and leaves at the top. Allow water to circulate through the canister for at least two minutes before switching the element on to ensure that all air has been expelled from the canister.

Ensure that an adequate water level is maintained within the power flushing pump tank (i.e. 15cm above the minimum).

Do **NOT** operate the flow reverser or turn the motor off whilst the heating element is on.

Once the desired temperature has been achieved, turn off the power supply to the CombiHeat.

Safety Precautions

All normal safety precautions should be observed when using electrical equipment near water.

The plug must be fitted with a 13 amp fuse. Use with a residual circuit breaker adaptor. PAT test (Portable Appliance Test) electricians annually.

Do not remove or reset the CombiHeat thermostat, and always use with the protective cap in place.

It is important to always replace units in the correct cylinder, as labelled, for safety and proper operation.



Attention - heating element warranty notice:
Ensure that water flow always enters the cylinder at the bottom entry and leaves at the top whilst the heater is on, to ensure that it does not run dry.

As for any electric heating element, the guarantee is not valid if upon examination the heating element has been found to run dry.