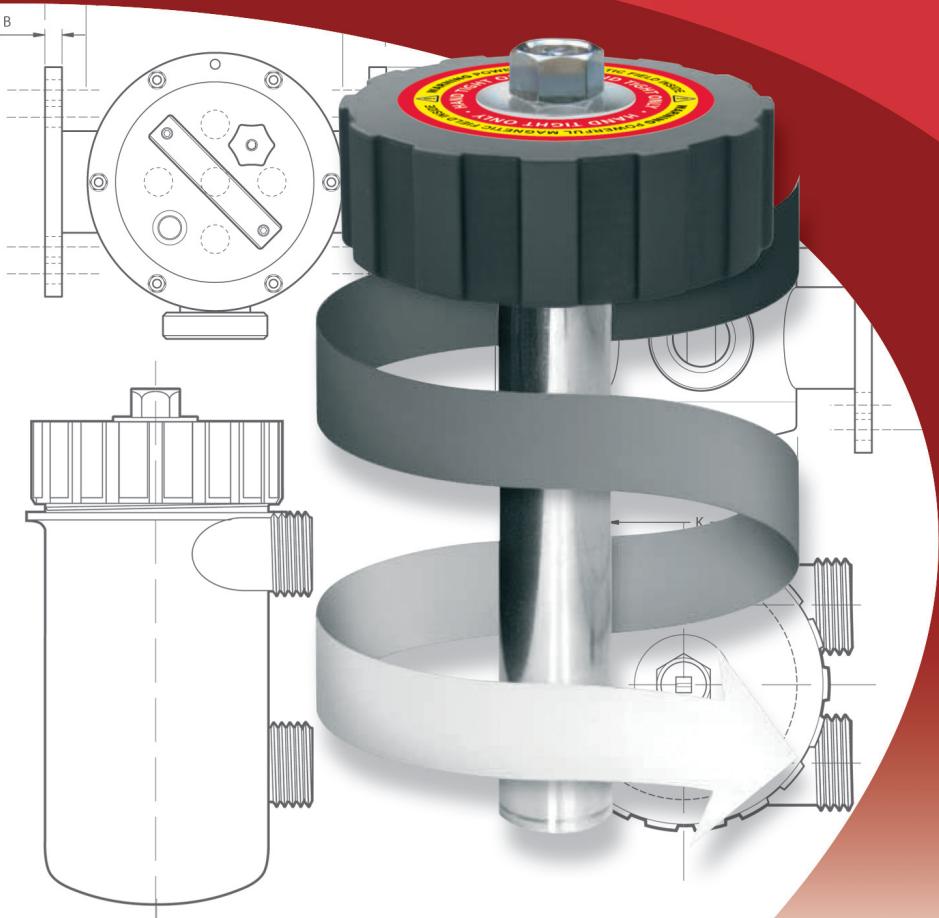


# MagnaClean®

*Professional*

## Installation and servicing instructions

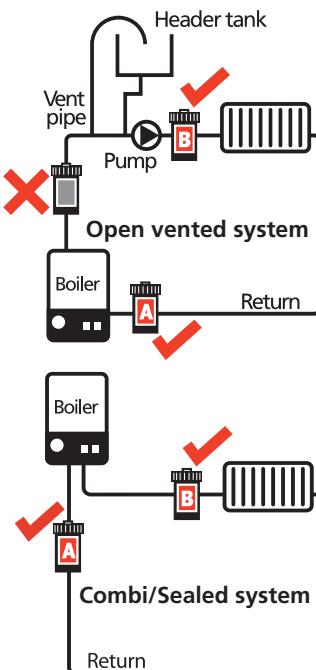


PROFESSIONAL HEATING SOLUTIONS

# Installation

*MagnaClean® Professional* is suitable for all central heating systems and can be fitted anywhere on the main circuit. However, in order to achieve the best protection for the boiler, it is recommended that the *MagnaClean Professional* is fitted after the last radiator before the boiler. In determining a suitable location for installation, it is important to ensure you allow adequate access for servicing.

The following instructions are designed to assist engineers in the safe and effective installation and servicing of ADEY's *MagnaClean Professional* and should be followed at all times. Any queries arising from either installation or servicing should be directed to your supervisor or ADEY direct on 01242 233702.



In both diagrams, position A is best practice while B is suitable.



Drain the central heating system or plug-off feed and expansion tank and release the system pressure. Measure and mark a 105mm section for a 22mm unit and a 190mm section for a 28mm unit when making the connections with elbows as shown.

When installing below a boiler or other object, allow 250mm clearance from the top of the canister to beneath the object, to enable the lid assembly to be removed when servicing. This applies to both 22mm and 28mm *MagnaClean Professional* canisters.



Loosely secure the *MagnaClean Professional* canister to the valves. Grip the *MagnaClean* canister and tighten the compression fittings being careful not to over tighten.



Loosen off the valve flange nuts and insert the rubber washers provided. Thoroughly tighten the flange nuts. Do not over tighten. Refill the heating system.



Using a suitable cutter, carefully remove the marked section of pipe work to create the correct opening.



Prepare the pipe and fittings accordingly. Lubricate the olives and assemble the valves on the pipe, hand tighten.



Run the central heating system while checking for leaks. Attach the self-adhesive *MagnaClean* label to the boiler indicating the date of installation, serial number and location of the filter. If necessary, service the filter before leaving the premises. The *MagnaClean Professional* lid spanner and valve spanner can be left with the customer.

N.B. ***MagnaClean® Professional*** should only be installed by a competent person.  
If in any doubt, consult a qualified heating engineer.

## Servicing



**Important** – Before commencing any servicing work, turn off the electrical supply to the boiler. Turn off both isolation valves to the marked OFF position. Loosen the air vent to release internal pressure. When venting, protect the surface below the canister with a dust sheet or container to capture any drops of water.



Wrap paper towelling around the build-up of sludge on the plastic sheath. Place lid assembly over a bucket and remove the plastic sheath from the magnet, remove the sludge then rinse clean. Replace the sheath over the magnet.



Replace the lid assembly onto the canister and close, hand tight. Be careful not to over tighten.



Open the isolation valves to the marked ON position and vent/bleed through the Pro-Fill air vent. Protect the surface below the canister with a dust sheet or container to capture any drops of water. Run the central heating system while checking for leaks. Repeat steps 1 - 6 if required. Ensure the filter is thoroughly clean before leaving the premises.



With a standard radiator key remove the Pro-Fill air vent. The built-in, one-way valve will prevent water from escaping. Attach chemical adapter and feed in chemical.



Wait for five seconds before removing the adaptor. The Pro-Fill air vent will accept all market-leading chemicals in either liquid or concentrate form.



Using the *MagnaClean Professional* lid spanner, carefully unscrew the lid.



Remove the complete lid assembly from the *MagnaClean Professional*. Turn the lid assembly upside down in order that the underside of the lid acts as a drip tray.



Replace the Pro-Fill air vent. Allow the system to circulate for 30 seconds. Open the Pro-Fill screw two turns and back flush until clear.

# MagnaClean®

## Professional

**Developed by independent heating specialists ADEY Professional Heating Solutions, the *MagnaClean Professional* filter has been specifically designed for the efficient maintenance of central heating systems.**

We live in an age of high efficiency boilers, but for many years, little attention has been given to the cleanliness of central heating systems. The majority of systems suffer from black iron oxide contamination. This creates thick sludge deposits which are the result of corrosion taking place within radiators and other metallic components.

The oxide particles range from very large to sub-micron in size with the latter leaching into the system water continuously during use. These particles bond to all components often causing premature failure of pumps and valves. When they contaminate the boiler heat exchanger and pipe work, it results in a dramatic loss of efficiency.

It is widely recognised that even a minimal build-up results in a serious drop in boiler efficiency. *MagnaClean Professional* has been carefully designed to remove these particles from suspension while at the same time allowing a 100% flow rate through the system.

Installation is simple with each isolation valve rotating through 360 degrees and therefore supporting any number of location options. These valves have been specifically designed for use with *MagnaClean Professional* and have high quality PTFE and EDPM seals.

An added advantage for installers is the Pro-Fill air vent built in to the lid. This special vent incorporates a unique, one-way valve, allowing the installer to inject corrosion inhibitor chemicals directly into the *MagnaClean Professional* without the need to isolate any part of the system. Just remove the air vent screw, inject the chemical and replace the air vent screw. It's that simple.

The *MagnaClean Professional* filter provides years of protection maintaining the high efficiency of central heating systems. It also results in financial benefit and increased reliability.

The product is backed by a two-year limited guarantee.

### IMPORTANT

Always follow the Standard Electrical Best Practice guidelines when installing *MagnaClean Professional*.

The inlet and outlet on the *MagnaClean Professional* are reversible and there is no flow restriction.

Following installation, don't forget to complete the warranty card. Alternatively, complete the registration online at [www.adeysolutions.co.uk](http://www.adeysolutions.co.uk)

Faulty components must be returned under the warranty process – Contact ADEY Customer Services Department on 01242 233702 for further information.



**PROFESSIONAL HEATING SOLUTIONS**

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