

MagnaCleanse®

Advanced central heating
system flushing

NEW IMPROVED
MagnaCleanse RapidFlush Filter



Up to
3 x FASTER
than a standard
power-flush

ADEY

PROFESSIONAL HEATING SOLUTIONS

MagnaCleanse®

What is *MagnaCleanse*?

MagnaCleanse® has been developed by ADEY Professional Heating Solutions to deliver a much faster and more effective flushing process for central heating systems.

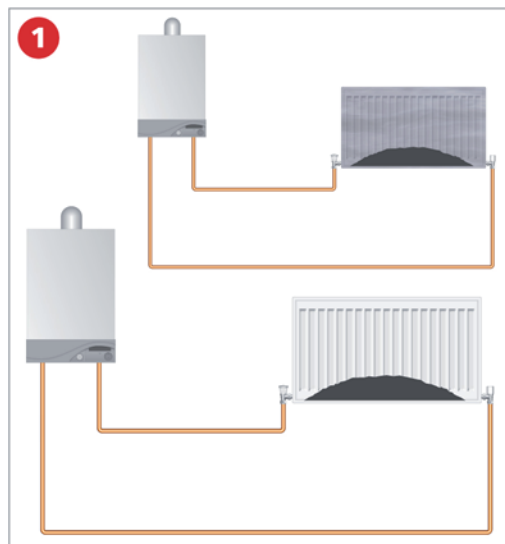
The process involves ADEY's proven and award winning *MagnaClean*® technology and requires the following components to carry out successfully:

- *MagnaCleanse* hose-to-valve connector
- *MagnaCleanse RapidFlush Filter*
- *MagnaClean* domestic filter
- *VibraClean*® radiator agitator

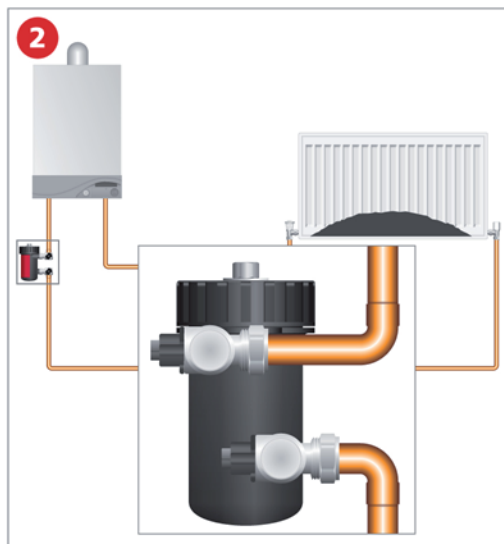
The following instructions are designed to assist engineers in the safe and effective installation and operation of the *MagnaCleanse* process. Any queries, please contact ADEY direct on 01242 546700. Our Customer Care Team will be happy to assist.

Alternatively, visit our website at www.adeysolutions.co.uk for full details and a video demonstration.

MagnaCleanse STEP BY STEP

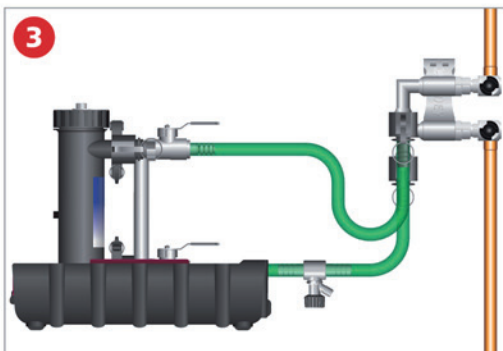


Having completed all relevant preliminary electrical safety checks to boiler and pipework confirming safe isolation and earth path, isolate central heating system and drain.



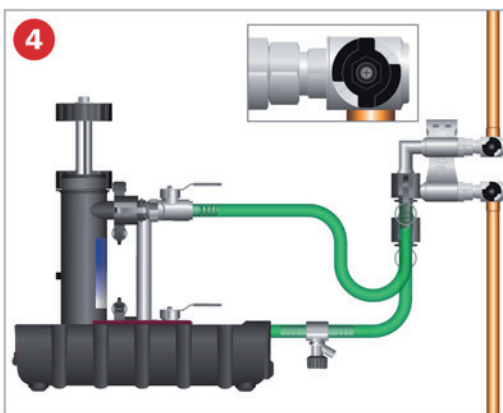
Identify location for installation of *MagnaClean* filter. Prepare pipework, installing *MagnaClean* copper elbows and isolation valves supplied.
N.B. Refer to *MagnaClean* installation instructions.

3



Having completed the installation of the *MagnaClean*, remove the filter and attach the *MagnaCleanse* hoses between the *RapidFlush Filter* and the *MagnaCleanse* hose-to-valve connector attached to the isolation valves on the pipework.

4



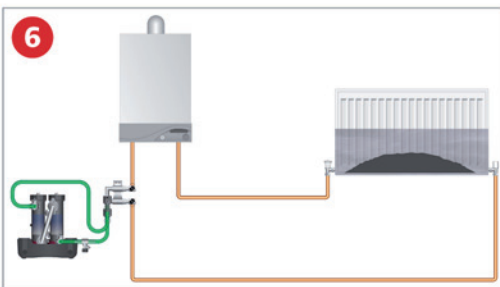
Turn off isolation valves to the *RapidFlush Filter*. Loosen and remove the lid assembly from one of the *RapidFlush Filter* canisters.

5



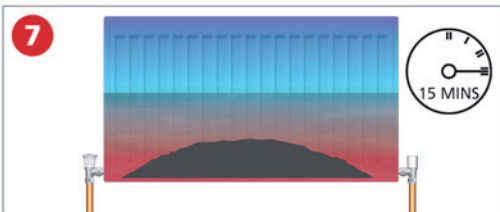
Add recommended cleanser to the system via the *RapidFlush Filter* canister.

6



Partly re-fill the central heating system ensuring the radiators are only half-full. Check for leaks.

7



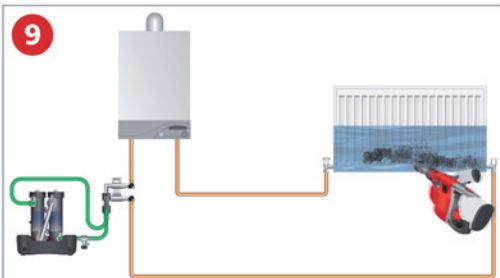
Turn on heating system (all radiators open) for 15 minutes. The radiators should be hot at the bottom, cold at the top. Check the *MagnaClean RapidFlush Filter* if required.

8



Turn off any by-pass valves and all the radiators, leaving only one radiator open at a time. With the system running, agitate each radiator using ADEY's *VibraClean* tool attached to an SDS drill for 15–20 seconds.

9



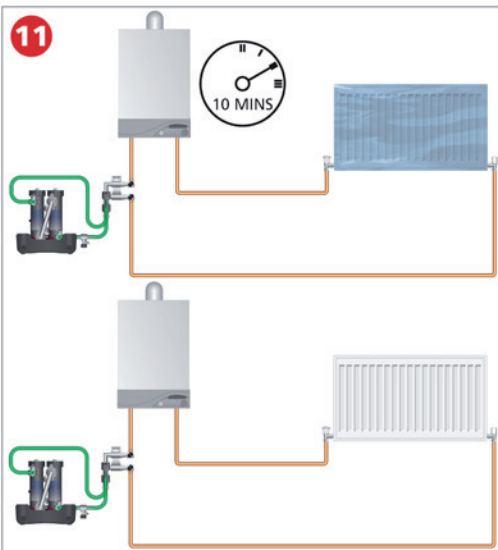
Continue the *VibraClean* radiator agitation to dislodge any sludge deposits until the return hose to the *RapidFlush Filter* runs clear.

10



Isolate and clean the *RapidFlush Filter* as required. Using Personal Protective Equipment i.e. gloves and paper towels, wipe off any magnetite into a bucket or waste bag and dispose of correctly. When satisfied, open up the next radiator, turn off the treated radiator and repeat the process until all radiators are clean.

11



Once the *MagnaCleanse* process has been completed, depressurise the system using the drain valve and fill the system radiators to full removing all air. For sealed systems, check the system pressure and increase to 1 bar if required. Run for ten minutes full with all radiators open. Drain the whole system using the drain valve removing any residual cleanser or non-ferrous deposits.

12



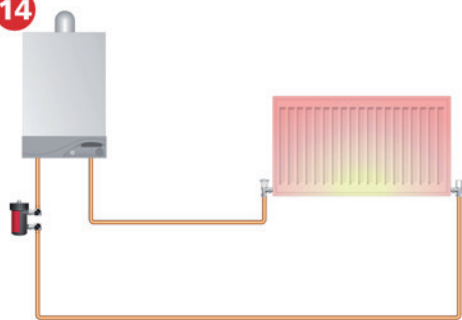
Disconnect hoses and remove the *RapidFlush Filter*. Re-attach the *MagnaClean* domestic filter to the isolation valves.

13



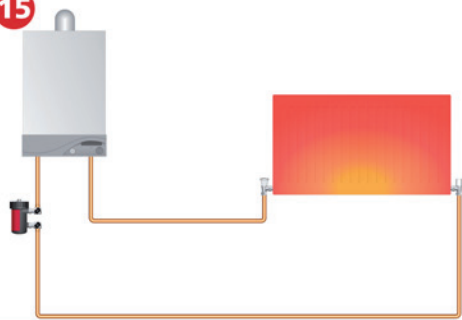
Add a recommended inhibitor into the canister i.e. use the Pro-Fill bleed valve or remove canister lid assembly and pour into the filter (holds approximately half a litre). Open up the isolation valves and remove any air.

14



Turn on the system and re-set controls to the customer requirements. Open any by-pass valves previously closed.

15



Commission the system following the manufacturer's instructions. Before leaving the property, carry out the last job – Service the *MagnaClean* filter ensuring a final check is carried out for leaks.

Another breakthrough in system flushing

MagnaCleanse represents another breakthrough in power-flushing and is suitable for all domestic central heating systems. It is recommended as best practice in ongoing system maintenance and protection and delivers benefits for installers and homeowners.

The company that pioneered magnetic filtration and the award winning *MagnaClean* technology has developed *MagnaCleanse* to deliver an even more effective approach to system flushing, saving time and money for heating professionals.

- Removes ALL black iron oxide contamination – In ONE pass
- Reduces standard power-flushing times by up to two-thirds – Achievable in TWO hours
- More effective power-flushing results
- Cleanser remains concentrated within the system throughout the process
- Cleanser remains heated within the system throughout the process
- Saves UP TO 90% on water – Disposal ONLY at the end of the process



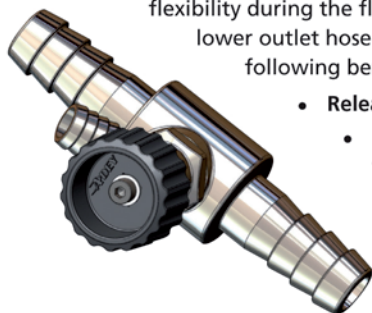
VibraClean® key to success

ADEY's *VibraClean* radiator agitator is an essential part of the *MagnaCleanse* flushing process. Agitating each radiator in turn removes more sludge in 20 seconds than 30 minutes of operation without *VibraClean*. The precision radiator agitator liberates sludge and hardened deposits without the need to remove a radiator again.



Drain valve delivers greater flushing control

ADEY's drain valve has been introduced to give installers greater control and flexibility during the flushing process. Installed onto the *RapidFlush Filter's* lower outlet hose in a matter of minutes, the drain valve delivers the following benefits:



- Releases system pressure
- Easy *RapidFlush Filter* servicing with water drained to clean and disconnect the product
- Easy flushing of residual cleanser from the system
- Assists in cleansing the system of non-ferrous particles

MagnaCleanse®

Lifetime system protection

The damaging effects of black iron oxide on new and existing central heating systems are recognised throughout the industry. Poor system performance, higher energy bills, increased carbon emissions and premature system breakdown are just some of the symptoms.

While power-flushing is extremely effective when carried out by a qualified engineer, it's a fact that the build-up of iron oxide is an ongoing issue within the system.

MagnaCleanse delivers a better solution because it not only removes just as much sludge from the system in the vast majority of cases, it also provides ongoing lifetime protection with the installation of a *MagnaClean* domestic filter. The whole process is carried out in a fraction of the time and at a fraction of the cost of a stand-alone power-flush.

Note: Extreme system deterioration caused by excessive magnetite sludge build-up and blockage may require further remedial action.



IMPORTANT

A *MagnaCleanse RapidFlush Filter* **MUST** be used when carrying out the *MagnaCleanse* process.

Installation of *MagnaClean* filters and carrying out the *MagnaCleanse* process should only be undertaken by competent installers. If in any doubt, consult a qualified heating engineer.

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

Your MagnaCleanse kit

The complete *MagnaCleanse* kit gives installers everything they require to carry out the *MagnaCleanse* process or a system power-flush and includes the following:

MagnaCleanse RapidFlush Filter; VibraClean; MagnaCleanse hose-to-valve connector; hose length (x2); Supra clamps (x4); female cam locks (x4); drain valve.

CAUTION

The *MagnaCleanse* hose-to-valve connector may become hot during operation. Handle with caution.



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Telephone: 01242 546700 Email: info@adeysolutions.co.uk
www.adeysolutions.co.uk



Produced from recycled material