

Ideal for 3/4" copper and 1" NPT iron pipework

MagnaClean® Professional 2

Hydronic heating system filter

Removes black iron oxide sludge

Iron oxide sludge is one of the main causes of boiler failures. *MagnaClean* filters extend the life of hydronic heating systems when used as part of **ADEY's Best Practice™** system process.



ADEY is the industry leader in hydronic heating system protection.

Visit adeyusa.com for information on a complete system to safeguard your investment, including **ADEY's Best Practice™** treatment products.

Our unique cleaning products are designed to clean and protect your hydronic heating system, ensuring it achieves maximum performance season after season.



ADEY®
PROFESSIONAL HEATING SOLUTIONS

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ADEY®
PROFESSIONAL HEATING SOLUTIONS

MagnaClean[®] Professional²

Magnetic and non-magnetic protection

Today's high-performance circulators and boilers are bringing new levels of efficiency and cost-savings to homeowners. But they are uniquely vulnerable to a danger lurking in nearly every hydronic heating system – Magnetite, commonly known as black iron oxide. An unavoidable result of oxidation inside untreated systems, black iron oxide forms on the surface of pipes and components where it deposits into the system water as microscopic particles which combine to form a black sludge. Even in small quantities, these particles can potentially cause expensive damage. As sludge accumulates, system efficiency is dramatically reduced, and operating costs increase.

MagnaClean Professional² features a unique, patented magnetic and non-magnetic filtration system that starts to work from the moment it is installed. Removing virtually all of the suspended iron oxide that collects in all hydronic heating systems.

The easy-to-install, in-line filter not only extends the operational life of the hot water heating system, but also offers a host of other unique benefits that save money and time for installers and homeowners...

Installer benefits

- Compact profile for tight spaces
- Rapid in-line installation
- Integral flow-diverters ensure 360° distribution for uniform flow around magnets, maximizing sludge capture
- Powerful permanent magnet
- Captures non-magnetic debris
- Quick-release trigger and rapid-fit connectors for servicing and re-installation in seconds
- Rotating filter connections allow customizable installation options
- Low-profile drain valve and built-in air vent for easier maintenance
- Bi-directional flow – either port can be designated as entry port
- Easy dosing of ADEY treatment products via canister
- Full-flow valves for minimal pressure drop



Homeowner benefits

- Long-term system protection for peace of mind
- Reduced heating bills
- Reduced maintenance costs
- Greater efficiency means a warmer house
- Design allows for full flow at all times – meaning no loss of pressure and no loss of heat
- Extends system life
- Zero operating cost
- No moving parts to replace – system magnet lasts a lifetime
- Reduced carbon emissions

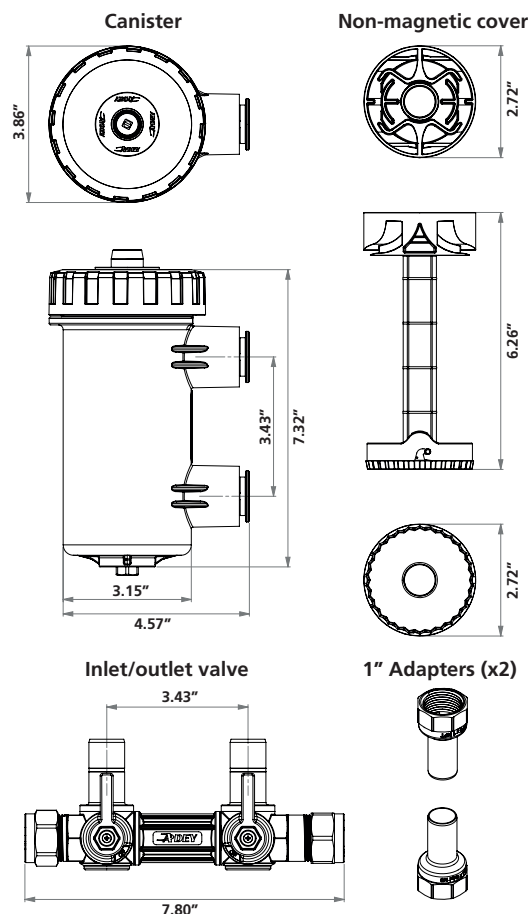
Quick and Easy Installation

MagnaClean Professional² should be fitted on the return pipe to the boiler/circulator. Slip socket design allows quick, hassle-free, in-line fitting in minutes.

Engineered for Maximum Effectiveness

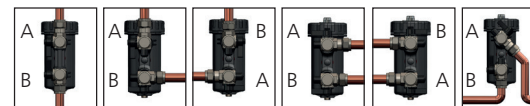
The *MagnaClean Professional²* has been engineered for optimum performance. Our unique, proprietary design maximizes first-pass capture of both magnetic and non-magnetic debris from the system by incorporating dual reverse flow zones. This 'ACTIVELY' traps any circulating debris and sludge, and provides ongoing protection – all while assuring continuous, full-flow operation, at all times.

Technical specifications



Customizable installation

Small space? Not much clearance? Unusual pipe angles? No problem. The in-line design and rotating valves of *MagnaClean Professional²* allow installers to customize the job to fit almost any space, for maximum flexibility and minimum hassle.



How it works in just minutes!*



Iron oxide sludge collects in a canister.



The *MagnaClean* filter is placed into the canister...



Within seconds, the water starts to clear as *MagnaClean* sets to work...



In just minutes, the *MagnaClean* filter traps almost all the sludge and debris, and the water is clear...



The *MagnaClean* filter is removed for easy, rinse-down cleaning.

*The images above show how a *MagnaClean* filter removes iron oxide sludge from a hydronic heating system illustrated using a clear demonstration canister.

For more information or to see this step by step demonstration, visit

adeyusa.com

No installation is complete without *MagnaClean Professional²*. Iron oxide sludge presents real problems... problems that can be avoided completely by the quick, easy, and cost-efficient installation of *MagnaClean Professional²*.

Kick-start the efficiency of *MagnaClean Professional²* by using *MagnaCleanse* to flush the system before installation. Visit adeyusa.com for more information on this and other **ADEY Best Practice™** solutions.