



MagnaCleanTM HP

1" Compression & 1 1/4" NPT

Product Specification

MagnaClean HP™

Technical Specification

MagnaClean HP is designed specifically for low temperature systems such as heat pump, radiant and snow-melt systems. With magnetic and dedicated non-magnetic capture, *MagnaClean HP* helps to keep the system working to optimum efficiency.

Features

- Designed specifically for low temperature systems such as heat pump, radiant and snow-melt heating systems
- Powerful magnetic capture, dedicated non-magnetic capture
- Built-in isolation valves
- Non-blocking design - continuous flow even when the filter is full
- Unique Cycloflow™ technology diverts water for maximum capture
- Acts as a dosing pot
- Rotating valves allow multiple installation options
- EPDM seals - compatible with inhibitors and glycols
- 10 year warranty

Benefits

- Protects heating systems from magnetic and non-magnetic debris, including bio-films which are more common in low temperature systems
- Easy to install and service, saving time and therefore labor costs
- Service without draining system, saving time on site
- Easy chemical dosage via top of filter
- Chemical catcher prevents mess from dosing overfills
- Prolongs life of boiler, preventing premature failures
- Improves system efficiency.

ADEY Best Practice essentials:

- MC1+™ Hydronic Heating System PROTECTOR
- MC3+™ Hydronic Heating System CLEANER



Technical Specification

Internal water operating temperature:

3°C to 95°C / 37F - 203F

Maximum working pressure:

6 bar / 87 PSI

Maximum flow rate: 21 GPM

Canister and lid

Material: Glass reinforced nylon

Fluid capacity: 930 ml / 31.4 oz

Thread: Pressure thread

Flow configuration: Directional inlet on bottom port

Main lid seal: EPDM

Valve to canister: EPDM

Magnet

Housing: Stainless steel

Length: 6"

Diameter: ¾"

Bleed valve

Body material: Nickel plated brass

Screw: Nickel plated brass

Thread interface: M6

Seals: EPDM

Drain port

Drain plug material: Nickel plated brass

Drain plug thread: M8

Seals: EPDM

Valves

Body material: Nickel plated brass

Seals material: Long life PTFE ball seals

O ring material: EPDM

Valve inlet/outlet: 1" US copper pipe compression

Fittings: Adapter 1" FTG x 1 ¼" NPT

Servicing Clearance

Air vent (top): 2"

Drain Plug (bottom): 2"

If left in situ

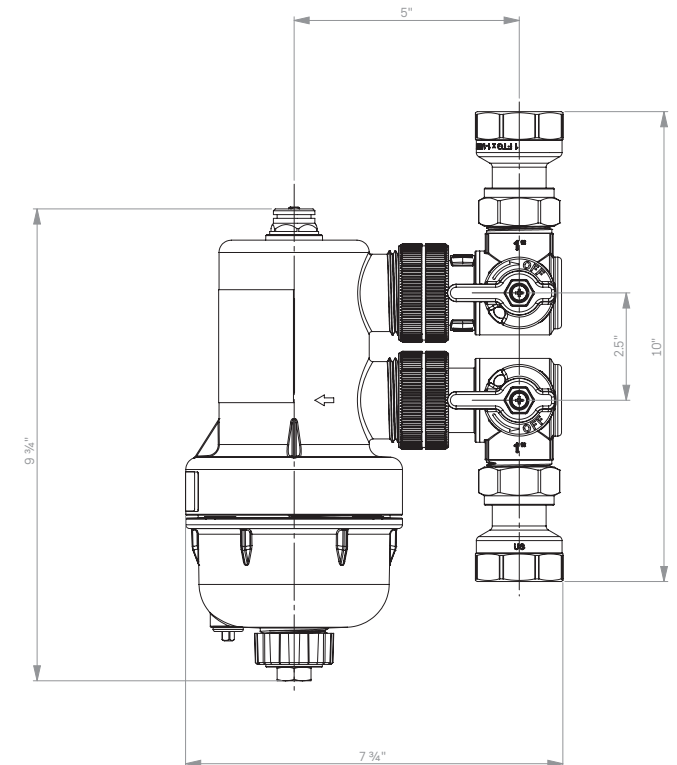
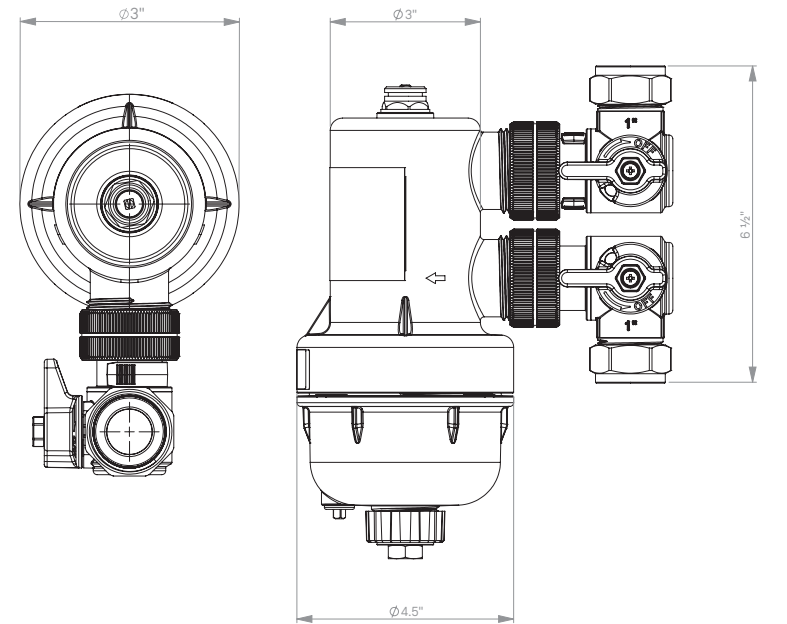
Mesh housing (bottom): 6"

Packaging and handling

Packaged in single units with all components included

Storage

No special storage requirements necessary

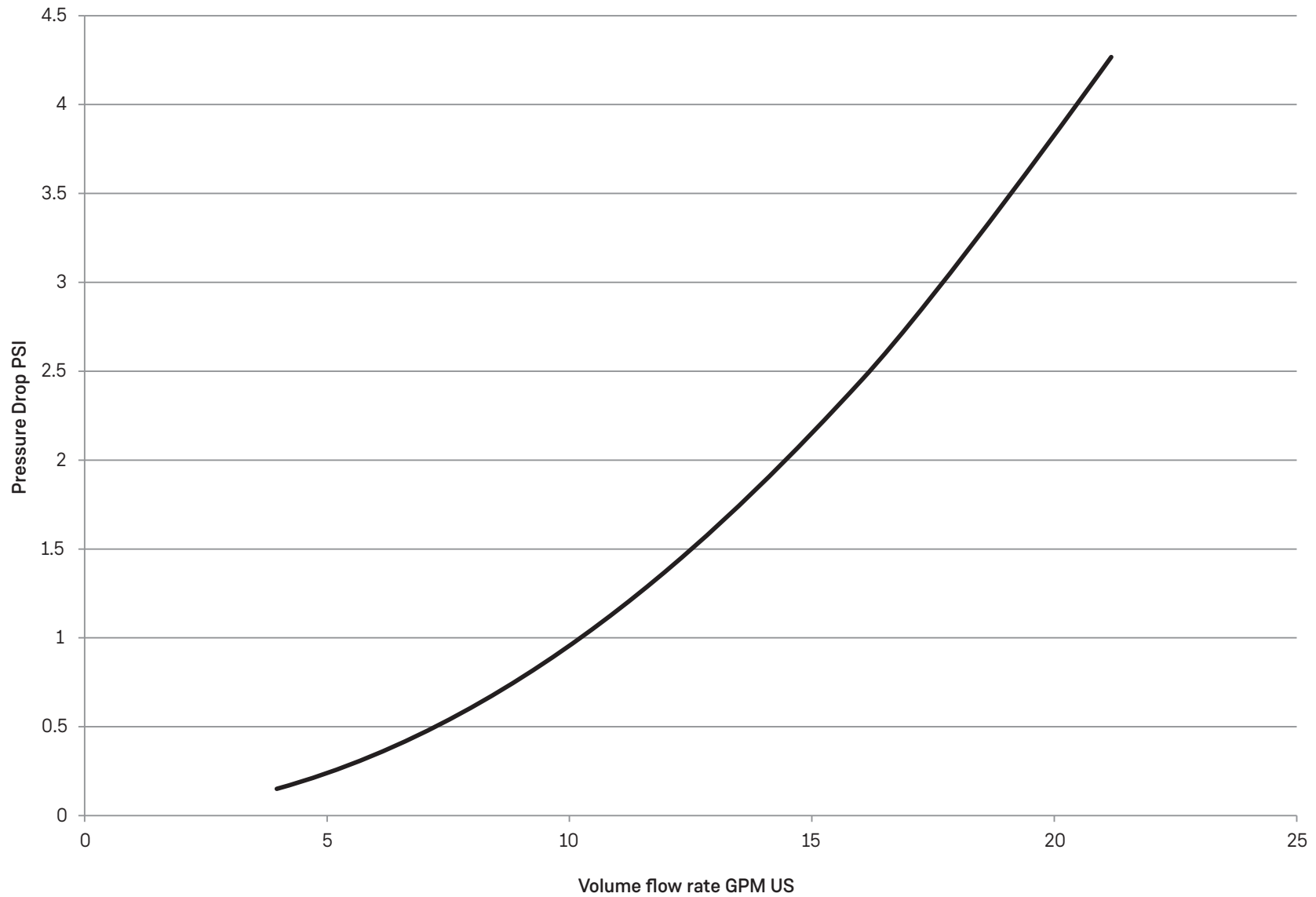


Full installation instructions are available online, by scanning this QR code:
For further information contact info@adeyusa.com



Flow resistance graph

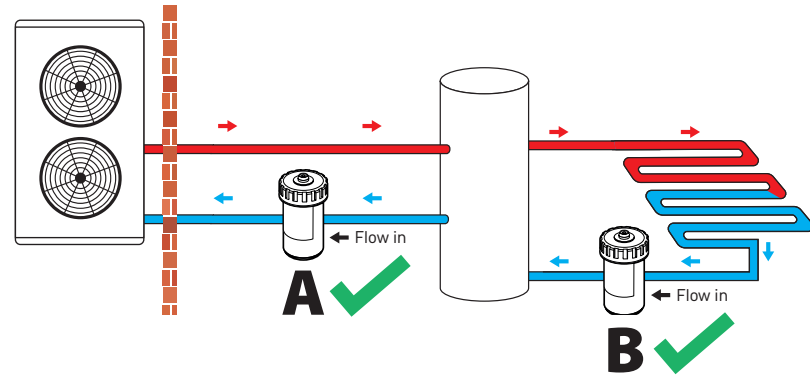
MagnaClean HP 1 1/4" NPT



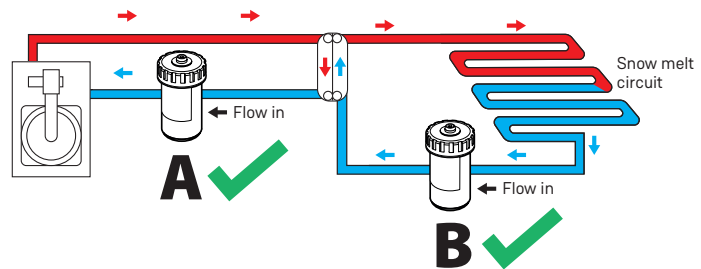
Where to install *MagnaClean HP*

MagnaClean HP should be installed in a vertical position. Ideally, the filter will be installed in-line on the return pipe. Alternative sitings can be located when the return pipe is not available. *MagnaClean HP* must be installed indoors and is not suitable for external use. ADEY always recommends that a magnetic filter be installed on both new and existing systems to extend the operational life of the heating equipment as well as reduce maintenance call-outs and maximize system efficiency.

Heat pump with radiant floor heating



Snowmelt system



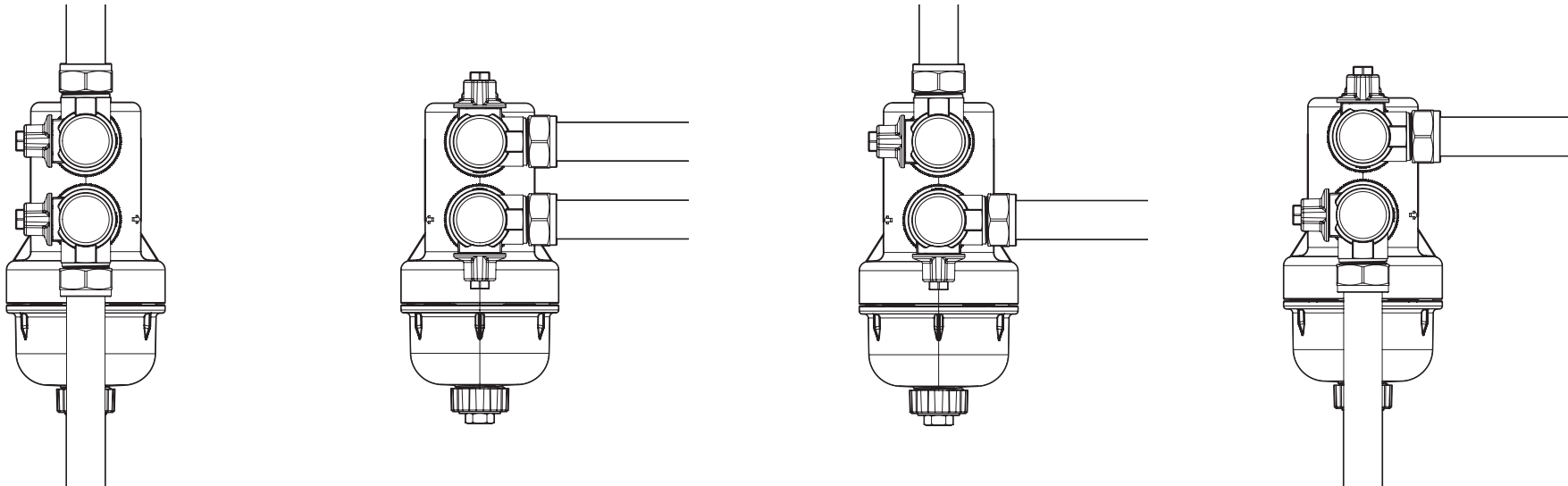
Note - In both diagrams, position A is best practice, while B is also acceptable.

Piping Options

The 360° rotational valves on the *MagnaClean HP* give you multiple installation options.

For best results, we recommend that dirty systems are thoroughly cleaned with *MC3+*, *MC5+* or *MC40+* before installation of a *MagnaClean*® filter.

Always re-dose the system with ADEY *MC1+* Hydronic Heating System PROTECTOR following cleansing or maintenance.



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