

Sentinel Air Source Heat Pump Pack

Install & Protect 28mm (Pack A)



The Sentinel Air Source Heat Pump (ASHP) Installation Kit provides all essential components required to connect the Air Source Heat Pump unit to the internal system.

Pack also includes Sentinel dual action Filter and Sentinel Additives to protect and maintain the health of the system.

Pack Contents

• Install

- 2 x Angled Hoses (500mm x 28mm – 1")
- 2 x Isolation Valves (1" – 28mm)
- 2 x Insulation for Isolation Valves
- 2 x Anti-Freeze Valves (28mm)
- 2 x Insulation for Anti-Freeze Valves

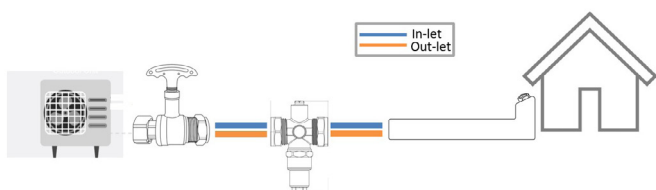
• Protect

- 1 x Vortex700 Filter (28mm Valves)
- 1 x X100 Inhibitor 1L
- 1 x X700 Biocide 1L
- 1 x X800 Fast Acting Cleaner 1L

Install Sequence

See guide below on install sequence of components when connecting to system, these are connected to both the Inlet and Outlet points / pipes.

Always refer back to the Air Source Heat Pump Manufacturer's instructions when installing or making any changes.



1. Isolation Valves are connected to both the Inlet and Outlet ports of the Air Source Heat Pump unit.
2. Anti-Freeze Valves are connected to Isolation Valves
3. Angled Hoses connected to the Anti-Freeze valves and to the internal pipes of the property.
4. Extra insulation is provided to surround both the Anti-Freeze valves and the Isolation Valves.

The Sentinel System

Lifetime protection for heating, cooling and hot water systems using the best practice process of...



CLEAN
WITH
APPROPRIATE
SENTINEL
CLEANER



PROTECT
WITH SENTINEL
INHIBITORS
AND FILTERS



MAINTAIN
WITH A
SENTINEL
TEST KIT



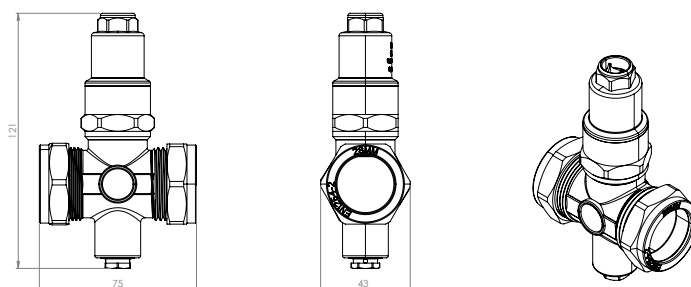
System Cleaning and Protection

1. Always refer back to Sentinel individual product information for full application, connection and safety instructions.
2. Connect the V700 Filter in accordance with the installation instructions supplied with the unit. Ensure all fittings, seals, and flow directions are correctly configured as per the guidelines.
3. Once all components are fully installed and the system pipework is correctly connected, proceed to the system cleaning and protection steps below
4. Add Sentinel X800 Fast Acting Cleaner to the system. Allow it to circulate for at least 1 Hour. After treatment, thoroughly flush the system.
5. Add Sentinel X100 Inhibitor to provide long term protection against corrosion, limescale, and system degradation.
6. Add Sentinel X700 Biocide to help reduce or eliminate bacteria and microbial growth within the system.
7. Fully circulate the system to distribute both X100 and X700 evenly throughout.

Technical specifications

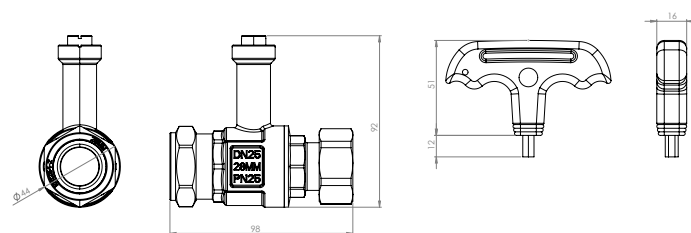
AntiFreeze Valves 28mm Compression

Engineered for year round peace of mind, this smart antifreeze valve automatically activates when temperatures dip below 2 °C - safely draining the system to prevent damaging ice formation. It delivers reliable, hassle free protection for heating and cooling installations, ensuring performance and longevity even in the harshest winter conditions.



Isolation Valves 1" Swivel – 28mm Compression

Installed on the unit's flow and return connections, these valves make maintenance effortless. They allow the unit to be isolated quickly and cleanly from the rest of the heating system - eliminating the need to drain the entire property's pipework and ensuring a faster, more efficient service experience.

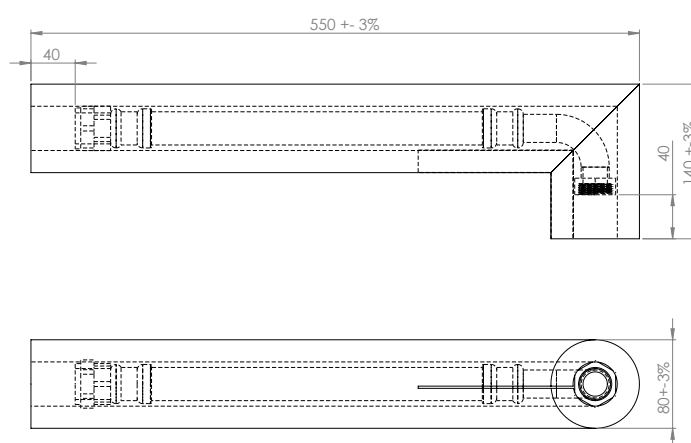


Angled Hoses – Insulated – 500mm x 28mm – 1"

Stainless Steel braided hose

Hoses meet the requirements of MCS MIS 3005 and help to avoid transmission of vibration through the pipework. The 28mm Hose is sleeved within a stainless-steel braid for added protection. 19mm wall insulation which is weatherproof and UV stable.

Working Pressure 10BAR @ 85°C



The use of Sentinel water treatment is endorsed by the industry's major international manufacturing companies*



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