



Product Part Codes:

- ADMT503001** - Hot water automatic anti-vacuum valve 1/2"
- ADMT503010** - Hot water automatic anti-vacuum valve 3/4"
- ADMT503004** - Hot water automatic anti-vacuum with pop-up indicator 15mm
- ADMT503005** - Hot water automatic anti-vacuum with pop-up indicator 22mm



Anti-Vacuum Valve

Installation Instructions



Anti-vacuum valve for sealed hot water system applications

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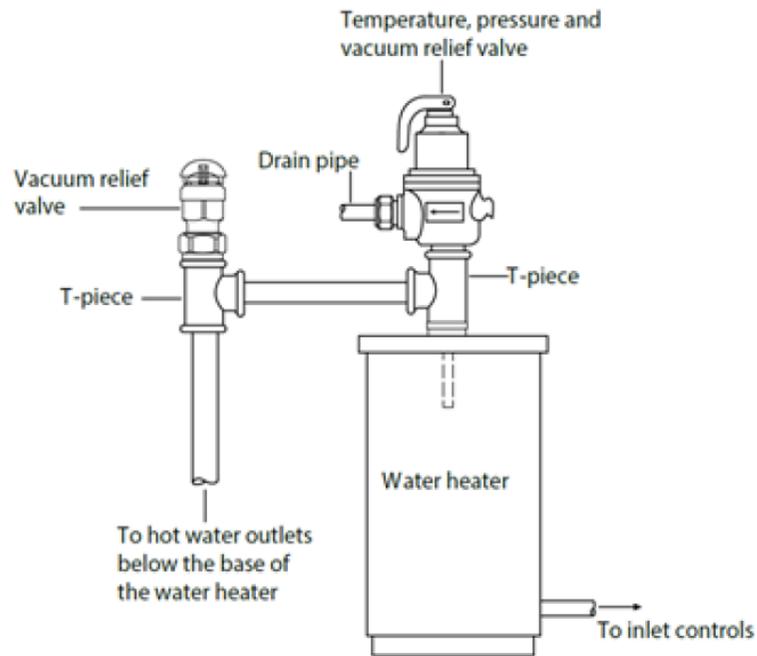
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Installation Instructions:

Reliance Valves Anti Vacuum Valves should be installed at the top of a hot water cylinder or to associated piping that requires protection.

Please see typical installation below:



Some water heaters may already have in built anti-vacuum capabilities, so always contact the cylinder manufacturer for guidance on whether the valve is required.

The valve is connected via either a BSP type thread for connection to a fitting, or via a compression connection, which can be installed directly to the associated pipe work. The valve should be installed as close to the vacuum risk as possible to ensure it operates correctly.

Reliance valves anti-vacuum valves should be sized in accordance with the water heater manufacturers guidance.

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General Information

A compact range of anti-vacuum valves for use with hot water heaters to prevent a vacuum forming in installations where there is the potential for the draw-off rate to exceed the rate of flow to the inlet; this can occur in properties with multiple outlets below the base of the hot water heater. The valves contain a check cartridge which, under normal conditions, is held closed by the system pressure, but when a vacuum condition arises the suction will cause the check cartridge to open and air to flow through, equalising the pressure within the hot water heater.

Maximum working pressure:	16 bar
Maximum working temperature:	99°C (ADMT503010,004, 005 suitable for up to 60°C)
Opening Pressure:	0.05 Bar

Maintenance Requirements

Although the valve does not have any serviceable parts, it should be checked on an annual basis to ensure the vent at the top is free from debris and functions correctly. On the compression version, the plastic dust cover should be removed so that the valve seat can be inspected. It is recommended that this check is completed every 12 months.

Torque Settings:

The below values are relevant to the maximum tightening requirement for the valve:

- 1/2" (15mm) - 25 +/- 1 Nm
- 3/4" (22mm) - 25 +/- 1 Nm