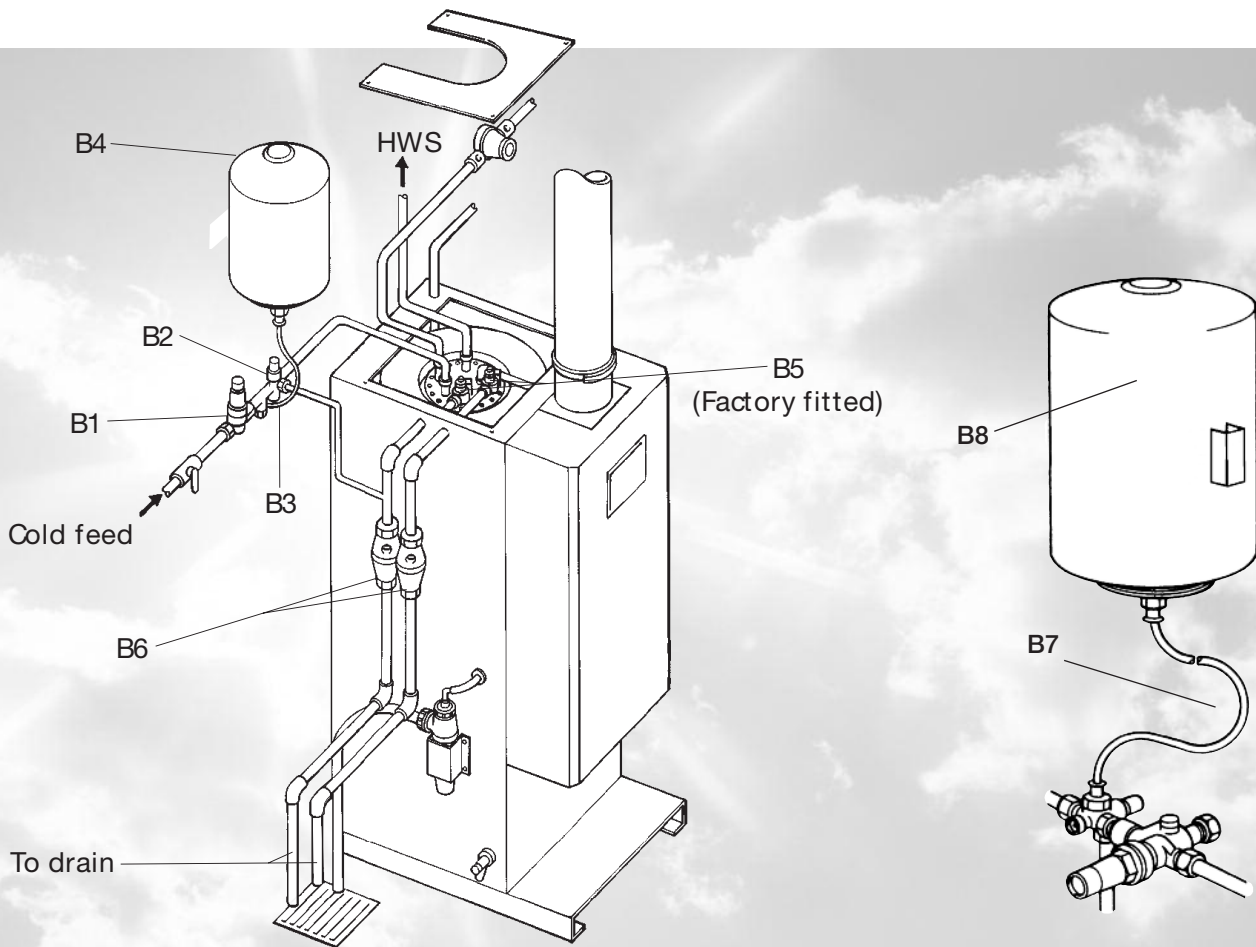


Gas Fired Storage Water Heaters

MAXXflo

Part No. B328



Complete Unvented Systems Kit. Part No. B328 MAXXflo (Comprising B1-B7)

Components	Andrews Pt No.	Size
B1 Combined Reducing Valve/Strainer	C784	1" BSP
B2 Check Valve & Manifold	C785	1" BSP
B3 Expansion Valve	C786	3/4" BSP
B4 Expansion Vessel (25 Litre) c/w bracket	C782	3/4" BSP
B5 Temperature/Pressure Relief Valve (factory fitted)	C380 (1 or 2)	1" BSP
B6 Tundish from Expansion Valve and T/P Valve (Supplied with the water heater)	C384 (1 or 2)	1 x 1 1/4" BSP
B7 Hose Assembly	C788	3/4" BSP

NB: Tees, elbows, stop valve and pipework not supplied

Andrews MAXXflo Range Water Heaters are listed under the United Kingdom water Fittings Byelaw Scheme for use on unvented systems. Certificate number 1109044.



Disclaimer: This is not a technical document and should not be used for installation. Please refer to Installation, Operation and Maintenance manual for further technical details.

This addendum is to be read in conjunction with the manufacturer's technical data and installation instructions.

Installation of unvented hot water systems must comply with Part G3 of the Building Regulations 1992.

Flush supply pipework to remove all flux and debris prior to fitting inlet controls.

Failure to do this may result in irreparable damage to the controls and will invalidate the warranty.

NB: Items B1, B2 and B3 are not user adjustable.

B1 Combination Pressure Reducing Valve/Line Strainer

Set at 3.5 bar, this controls the operating pressure and incorporates a wire gauze strainer. Care should be taken to ensure that the strainer is clear, particularly when commissioning and servicing. This component is supplied with one male union fitting.

B2 Combination Check Valve/Expansion Valve

The check valve function prevents back-flow and ingress of hot water into the cold supply.

In addition to the 1" female threaded in line ports, the check valve housing incorporates 2 x 3/4" ports and 1 x 1" port. One of the 3/4" ports accepts the Expansion Valve (B3), the other is for the connection of the Expansion Vessel. An optional Expansion Vessel and Wall Mounting Kit is available if required.

Cold water for services may be drawn from the 1" port. The water pressure at this point will be similar to that available at the hot water outlet of the water heater.

If higher flow rates are required for the cold water services, a suitable tee fitting should be incorporated upstream of B1.

Any unused ports should be sealed with the plugs supplied.

B3 Expansion Valve

The expansion valve is set to discharge at 6 bar. This limits the maximum system pressure to 6 bar, it also indicates a malfunction in the system: e.g. an expansion vessel fault or crossflow.

The PTFE sealing ring, on the male thread, will ensure a good joint and enable correct orientation. A small amount of jointing compound may be used as a lubricant. This valve should be fitted with the discharge directed downwards or horizontally to prevent debris being deposited on the seat of the valve and preventing

proper closure. The blue easing knob on the valve should be operated periodically to ensure that the valve is able to function.

B4 Expansion Vessel (25 Litre)

The vessel is designed to accommodate the expansion resulting from increased water temperature. The dry side of the diaphragm is charged to a pressure of 3.5bar. This pressure should be checked periodically, via the Schraeder-type valve on the top of the unit and if necessary, restored to 3.5bar.

N.B: Water pressure must be relieved whilst checking and adjusting pressure.

B5 Combination Temperature/Pressure Relief Valve

This opens at 90°C and/or 7bar. Its principal function is to prevent the water temperature from, at any time, exceeding 100°C, in compliance with the Requirement G3 of the Building Regulations 1992.

B6 Tundish

To comply with the requirement G3 of the Building Regulations 1992 this must be installed within a distance of 500mm from the Temperature/Pressure relief valve.

When assembling B1 and B2, care must be taken to ensure that flow arrows, marked on the components, are pointing in the direction of flow: i.e. towards the heater.

When connecting B1 and B2 together the PTFE sealing ring will ensure a good joint and enable correct orientation. A small amount of jointing compound may be used as a lubricant.

The black plastic plugs in E1 and E2 are pressure gauge connections to enable pressure monitoring if required.



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