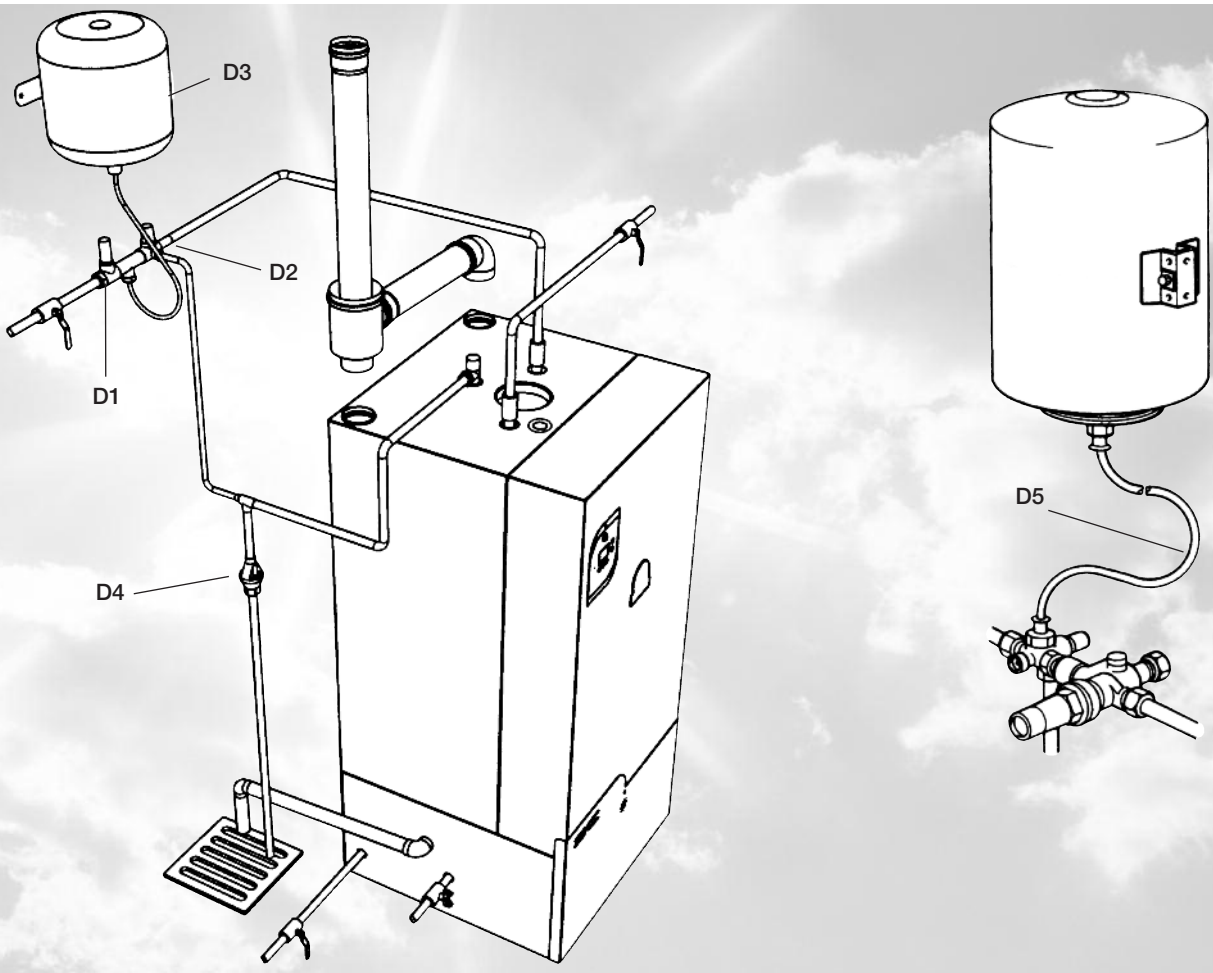
Gas Fired Storage Water Heaters

NEOflo

Unvented Systems Kit Installation Details
Part No. B314



Complete Unvented Systems Kit. Part No B314 (Comprising D1–D5)

	Components	Andrews part number	Size
D1	Combined pressure reducing valve/strainer	C780	¾" BSP
D2	Combined check valve expansion valve	C781	¾" BSP
D3	Expansion vessel (35 litre)	G099	¾" BSP
D4	Tundish	C783	¾" BSP
D5	Hose assembly	C788	¾" BSP

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

Andrews NEOflo Range Water Heaters are listed under the United Kingdom Water Fittings Byelaws Scheme for use on unvented systems. Certificate number: 0510073.

ANDREWS WATER HEATERS

These instructions are 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 D1 and D2 are not user adjustable

D1 Combination Pressure Reducing Valve/Line Strainer
Set at 3.5bar 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 cold water for services. If higher flow rates are required for the cold water services a suitable "tee" fitting, for the cold water take-off should be incorporated upstream of D1.

D2 Combination Check Valve/Expansion Valve
The check valve function prevents back-flow and ingress of hot water into the cold supply.

The expansion valve is set to discharge at 6bar. This limits the maximum system pressure to 6bar, it also indicates a malfunction in the system: e.g. expansion vessel fault or "crossflow". D2 may be filled in any orientation provided that the discharge from the expansion valve is either down wards or horizontal – if fitted inverted, debris may be deposited on the seat of the valve preventing proper closure.

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

D3 Expansion Vessel (35 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

D4 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 D1 and D2 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 D1 and D2 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 D1 and D2 are pressure gauge connections to enable pressure monitoring if required.

If further Information is required, please contact Andrews Water Heaters.

bsi. ISO 9001 Quality Management
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