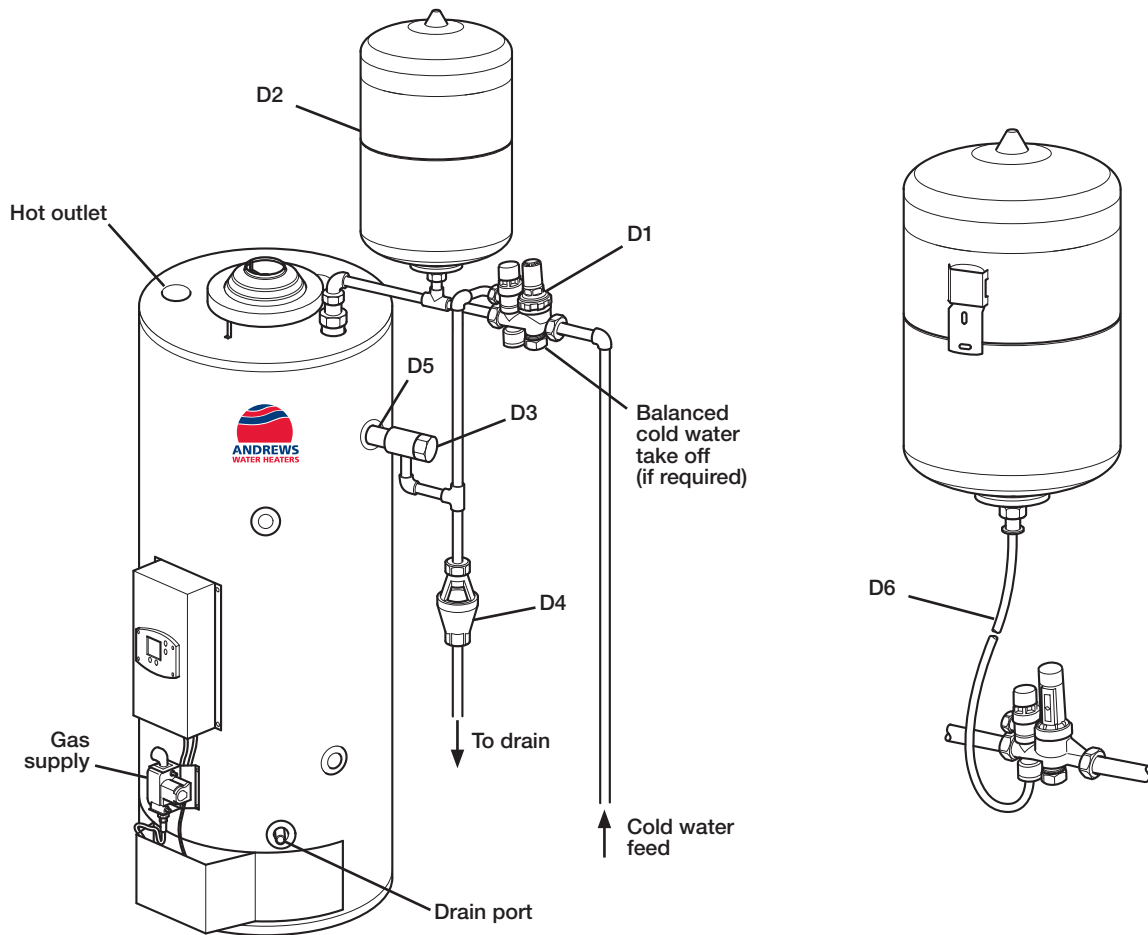


7703928 - UNVENTED SYSTEM KIT

CLASSICflo BALANCED, FAN FLUED & ECOflo COMPACT

Fitting instructions



Complete Unvented System Kit. Part No. 7703928 (Comprising D1-D6)

Components	Andrews Part No.	Size
D1 Combined Pressure Reducing Valve 3.5 bar/Strainer/Check Valve/Expansion Relief Valve 6 bar	7705036	22mm comp
D2 Expansion Vessel (24 Litre) c/w bracket	7705037	¾" BSP
D3 Temperature/Pressure Relief Valve 7 bar/95°C	7705038	¾" BSP
D4 Tundish	7705039	¾" BSP
D5 Adaptor	7705040	¾" BSP
D6 Hose Assembly	7705041	¾" BSP

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

Please read and understand these instructions before commencing installation and leave this manual with the customer for future reference.

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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 2010.

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: Item D1 is not adjustable

D1 Combination Pressure Reducing Valve/Line Strainer /Check Valve

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. Cold water for services may be drawn from the additional 22mm compression port on this fitting. The water pressure at this point will be similar to that available at the hot water outlet on the water heater. If the port is not used it should be sealed with the plug supplied.

If higher flow rates are required for the cold water a suitable "tee" fitting, for the cold water take-off should be incorporated upstream of D1.

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

Expansion Relief 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.

May be fitted in any orientation provided that the discharge from the expansion valve is either downwards or horizontally to prevent debris being deposited on the seat of the valve and preventing proper closure.

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

D2 Expansion Vessel (24 litre)

This vessel is designed to accommodate the expansion resulting from increased water temperature. The dry side of the diaphragm is charge to a pressure of 3.5 bar.

This pressure should be checked periodically, via the Schraeder-type valve on the top of the unit and if necessary, restored to 3.5 bar.

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

D3 Combination Temperature/Pressure Relief Valve

This opens at 95°C and/or 7 bar. Its principle function is to prevent the water temperature from, at any time, exceeding 100°C, in compliance with the Requirement G3 of the Building Regulations 2010.

D4 Tundish

To comply with the requirement G3 of the Building Regulations 2010 this must be installed within a distance of 500mm for the Temperature/Pressure relief valve.

D5 Adaptor

For use with D3 (Temperature/Pressure Relief Valve) on heater.

When fitting D1 care must be taken to ensure that flow arrows, marked on the components, are pointing in the direction of water flow: i.e. towards the heater.

The black plastic plugs in D1 are pressure gauge connections to enable pressure gauge monitoring if required.

Please read and understand these instructions before commencing installation and leave this manual with the customer for future reference.

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June 2020

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