

unvented water heater

Speedflow

Model Code SF10L/SF15L 2kW Undersink



INSTALLATION & OPERATING INSTRUCTIONS (to be left with user after installation)



Check all connections are completely water tight. You will need to use a ½" female to 15mm connectors (not supplied).



This unit has a re-settable thermal cut-out. If the unit is not heating the water, first check the re-set button.



This unit must be mounted upright with pipe connections at the top.



To reduce operating costs and scale build-up, Hyco recommend the temperature is set at the lowest acceptable heat level.

1. GENERAL

The Hyco Speedflow is an unvented water heater designed for direct connection to the mains supply, and can service one or more outlets using ordinary taps. It is also suitable for connection to gravity fed systems.

It is recommended that the Speedflow is fitted by an experienced installer familiar with unvented units.

2. FITTING TO WALL

The Speedflow is usually located in the vertical position below the outlet to be supplied but can be mounted above the outlet if necessary. It can be free standing on the floor or fixed to a wall using the bracket supplied. Either way, it **must** remain upright, with the pipe connections at the top.

Allow for the weight of the Speedflow when full of water (1kg per litre) when assessing the suitability of a potential fitting.

3. PLUMBING CONNECTIONS

Installation must comply with current Water Regulations.

The hot and cold fittings are ½” BSP at the top of the unit. These fittings are colour coded (blue = cold, red = hot) and are not interchangeable.

Picture 1 shows part needed for installation: standard compression fitting, ½” female to 15mm.



Use PTFE tape on the threads and fibre/synthetic washers to ensure a water-tight seal. The Speedflow is supplied with a 6 bar pressure relief valve. **This must ALWAYS be fitted.** The relief valve must discharge to a safe and visible place, in accordance with Water Supply regulations.

Depending on the installation circumstances, other accessories may be required. **If required, these must be ordered separately** and are installed as shown on the diagrams opposite. Do remember that the water pressure can increase considerably at night.

Note that water leaking from the pressure relief valve usually indicates excess water pressure. The remedy is to order and fit accessory kit SF2.

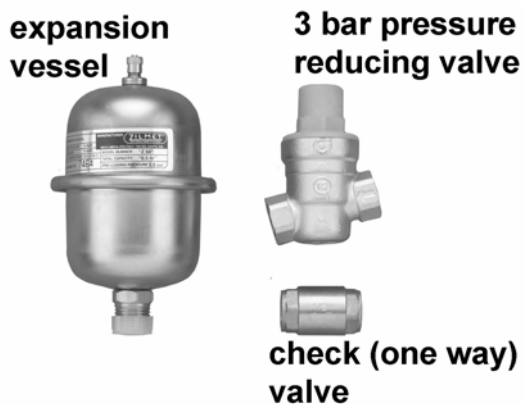


DIAGRAM A – Pressure below 4.2 bar

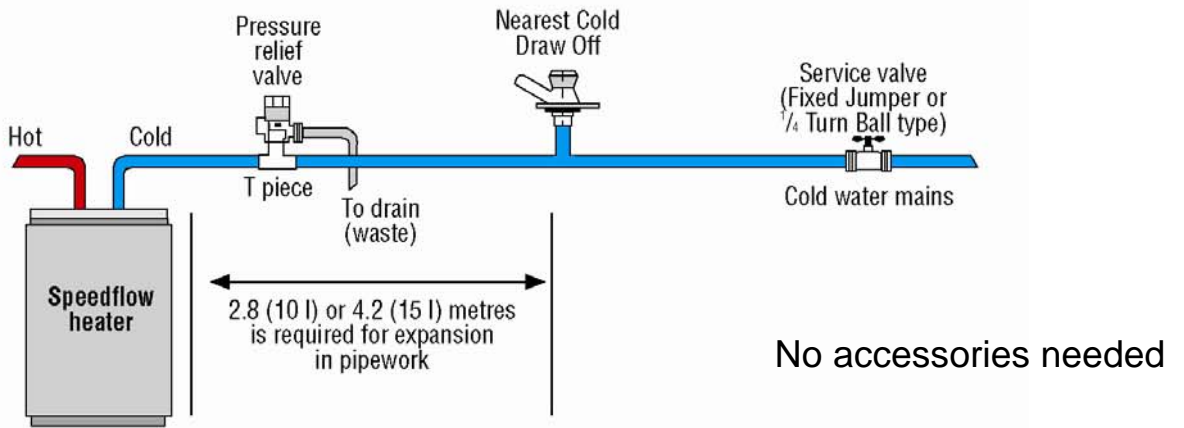


DIAGRAM B – Cold draw off nearby

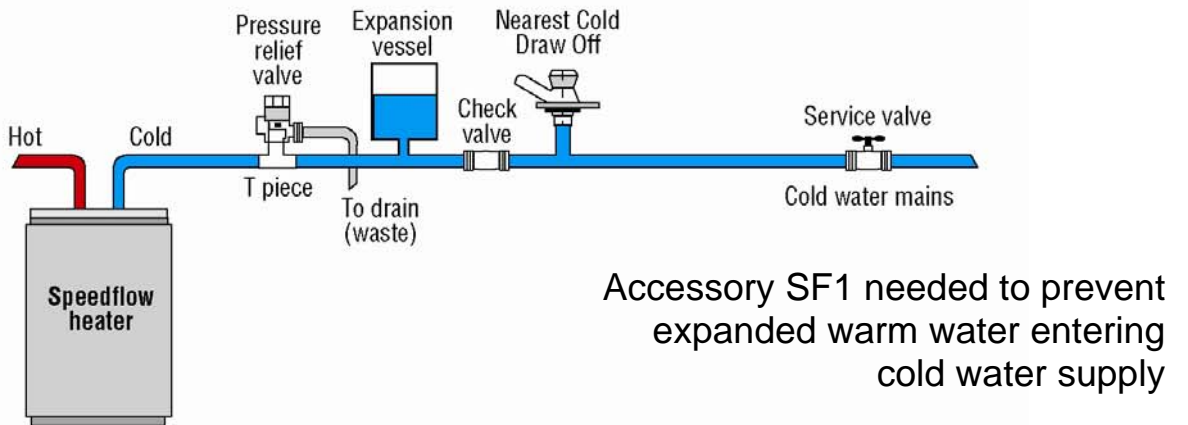
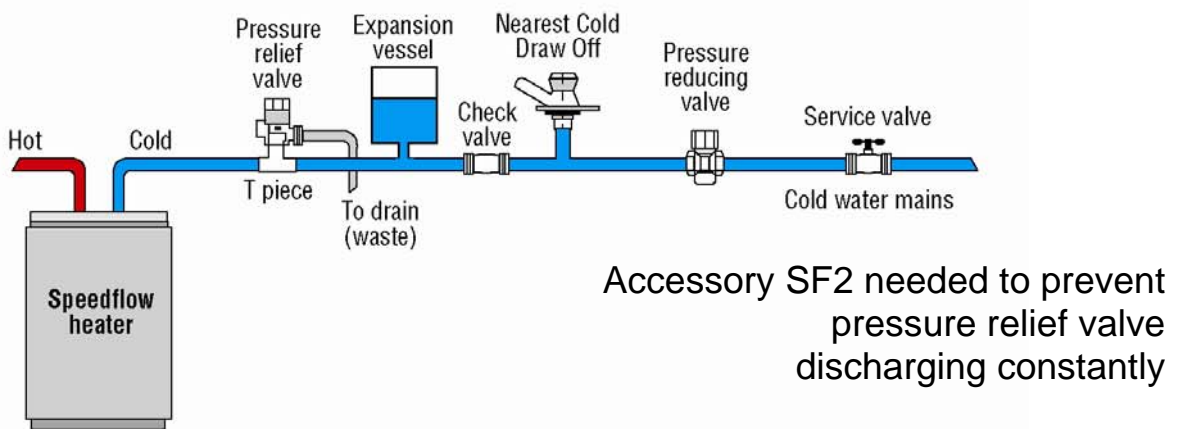


DIAGRAM C – Pressure above 4.2 bar



4. ELECTRICAL CONNECTION

Installation should comply with the latest IEE regulations,

Connection should be to a fused switched 13A spur. If the cable length is insufficient, it is recommended that the entire cable is replaced and no joins made to the original.

THE SPEEDFLOW MUST BE EARTHED.

IMPORTANT: DO NOT SWITCH ON THE HEATER UNLESS YOU ARE CERTAIN THAT IT IS COMPLETELY FULL OF WATER. **FAILURE TO DO SO WILL VOID THE WARRANTY.**

5. OPERATION

Switch on the mains supply. The external neon lamp indicates when the element is heating. The adjustable thermostat has a range of 20-70 degrees centigrade.

A re-settable safety cut-out switches off the electricity supply in the event of the element over-heating. To access the cut-out, unscrew the grey plastic cover plate. The cut-out is identified by a small red button and is located inside the centre of a white disc. To re-set the cut-out, press the red button.



If the Speedflow is to be used by children or the elderly, a thermostatic mixing valve should be fitted to limit the maximum water temperature to a safe level.

MAINTENANCE: The anode must be checked annually for signs of corrosion and replaced when necessary.

IMPORTANT: DO NOT SWITCH HEATER ON IF IT IS SUSPECTED OF BEING FROZEN.

GUARANTEE

The Speedflow is guaranteed for 12 months against faults in manufacture. Hyco reserves the right to repair or replace faulty products. Incorrect installation and consequences of limescale deposits are excluded. Hyco Manufacturing Ltd shall not be liable for any consequential losses.

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