

Speedflow

Unvented Water Heater

5, 10 and 15 litres



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Usage

Ideal for use in cloakrooms and kitchens in offices, shops, student accommodation and domestic premises which have been extended and there is no central hot water system near by. One unit located under the kitchen sink is often used to supply hot water for light dishwashing in the kitchen sink and handwashing in the cloakroom basin.

Selection Guide (approximate depending on usage).

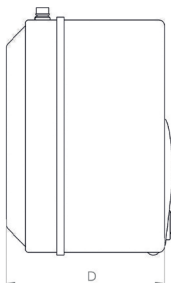
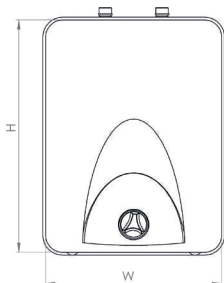
1 basin: **SF05K**, 1 – 2 basins: **SF10K**, 2 – 3 basins: **SF15K**.

Features and Benefits

- Supplies hot water for up to 3 basins
- Can be used with regular taps including mixers
- Mains pressure flow rates
- 2kW element as standard
- 1.2kW element available for 10 & 15L models for restricted load applications
- Neon element on indicator
- Glass lined steel tank as standard
- **For stainless steel tank add the suffix 'SS' to the product code**
- External temperature control with frost protection setting
- Accessories may be needed to comply with the Water Regulations. Pressure reducing valve required for pressures above 4.2 bar and expansion vessel and check valve required if cold water draw off nearby. Kits available separately (see Speedflow Accessories).
- Optional thermostatic mixing valve available.

Product Code	Capacity (litres)	Power (kW)	Heat up Time (mins)*	Standing Loss (kWh/day)
SF05K	5	2.0	12	0.51
SF10K, SF10K12	10	2.0 1.2	23 38	0.63
SF15K SF15K12	15	2.0 1.2	35 57	0.71

*Approximate heat up time from 10°C to 75°C

**Outer Casing**

Easy clean, high impact plastic

Heating Element

Stainless steel flange type

Thermostat

Capillary type adj. to 75°C
E setting approx. 50°C

Water Tank

Glass lined steel as standard.
Stainless steel tank
optional upgrade.

Anode

Replaceable grey magnesium
(inspect annually).

Insulation

High density polyurethane foam.

Safety

Overheat temperature protection
85°C (manual reset).
Supplied pressure relief valve
must be fitted in every case
(set at 6 bar).
Frost protection if power on.
Optional thermostatic mixing valve
to maintain hot water supplied to
user at constant, safe temperature.

IP Rating

IPX4

Installation

Site above or below the sink, but
inlet and outlet must be at the top.
Floor standing or wall mounted.

Plumbing

Must be installed by a suitably
qualified person.

It is recommended that flexible
hoses are used for connection
to facilitate future maintenance.
Access to the thermal cut-out
and element is located
at base of the unit.

Water connections

½" BSP (100mm apart
centre to centre).

Fittings required (not supplied):
2 x ½" male BSP to 15mm adapter
for connection to pressure
relief valve.
2 x ½" female BSP to 15mm
adapter for connection to unit.

Working water pressure 3 bar.

Minimum water pressure 0.5 bar.

Electrical Connection

Installation must comply with
current IEE regulations.
Connection should be to a fused
13 amp spur.
Cable pre-wired (1.5m).

Approvals

CE

Standard Warranty

1 year parts or
replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	
				Empty	Full
SF05K	320	280	245	5.5	10.5
SF10K, SF10K12	410	310	280	6.8	16.8
SF15K SF15K12	530	310	280	8.3	23.3

Speedflow Accessories

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Depending on the details of the Speedflow installation, additional accessories may be needed to comply with the Water Regulations.

See diagrams on the opposite page.

SF3 Kit

Expansion vessel and check valve
2L expansion vessel set at 3.5 bar



SF4 Kit

Expansion vessel, check valve
and pressure reducing valve
(SF4 Kit)



SF5 Kit

Pressure Reducing Valve (SF5)
Set at 3 bar

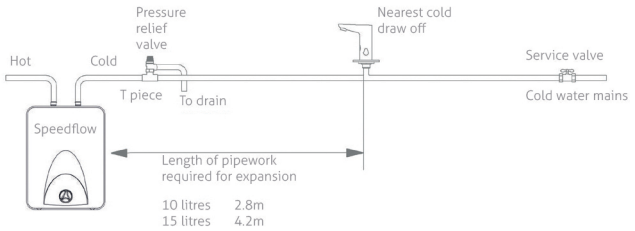


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Accessory	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
Expansion Vessel	225	120	120	1.0
Check Valve	65	25	25	0.1
Pressure reducing valve	73	64	46	0.3

Diagram A

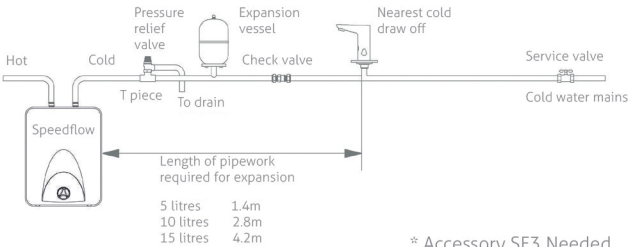
Pressure is below 4.2 bar and hot water expansion can be accommodated in the pipework



* No accessories needed

Diagram B

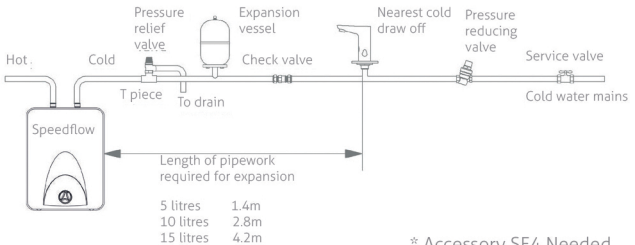
Pressure is below 4.2 bar and hot water expansion cannot be accommodated in the pipework



* Accessory SF3 Needed

Diagram C

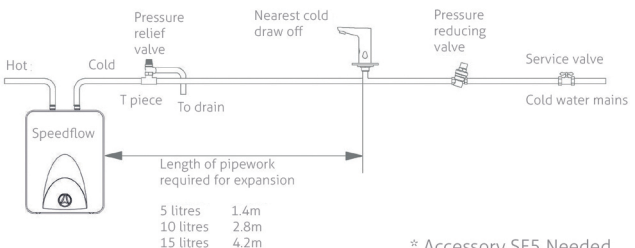
Pressure is above 4.2 bar and hot water expansion cannot be accommodated in the pipework



* Accessory SF4 Needed

Diagram D

Pressure is above 4.2 bar and hot water expansion can be accommodated in the pipework



* Accessory SF5 Needed