Smith's
A Swan Group Company



Kitchen Plinth Heater - discover the hidden benefits

Space Saver





SPACE SAVER

A highly energy efficient fan convector that fits neatly into the plinth of a kitchen unit and eliminates the need for conventional radiators

Makes room for extra kitchen storage, work space, or additional appliances

More affordable than underfloor heating

Get the flooring you want

Discreet heating that is easy to use

Suitable for plinth heights from 80mm upwards

Contemporary design with a wide choice of grille colours to suit interior decoration

Two heat outputs and fan only option for instant heat and cool air circulation

Low voltage bathroom model available for high humidity areas

Free five years parts and labour warranty

To see which Space Saver plinth heater is most suitable too heat your kitchen, on our website: https://smithsep.co.uk/heat-loss-calculator/ or scan the QR code

Easy to use
Smith's Space Saver comes on and off with your central heating, just like the rest of your radiators do. It uses the same water that your radiator uses, just a lot less and it has a tiny energy efficient electric fan that pushes out the heat into the room.

How many do I need?
As a rule of thumb, for every radiator you remove, install one Space Saver. If you need further help, go to our website to read our installation guides, email us or give us call.

Is it quiet?
The sound is very similar to that of your fridge and we think you won't notice it as you go about your daily life in your kitchen, boiling kettles, running taps, chatting with friends.

Is it expensive to run?
Not at all. Because the heat comes from your boiler (hydronic version) the only extra is the running cost of the fan - it costs 4p a day to use a Space Saver in your kitchen.

Which Space Saver do I need?
To see which Space Saver plinth heater is most suitable to heat your kitchen, use the Heat Loss Calculator on our website: https://smithsep.co.uk/heat-loss-calculator/ or scan the QR code

Can I find out more?
Just visit our website for more information and a list of stockists. Any questions, please contact us directly.

Heat Loss Calculator QR Code

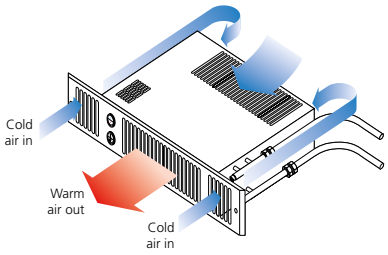
How a Smith's Space Saver works

Hydronic - see page 4
Hot water from your central heating system passes through a heat exchanger transferring its heat to the aluminium fins. Cooler air is drawn in by the fan and heated as it passes through the heat exchanger before being expelled gently back into the room. This not only gives a more even temperature spread, but will heat up a room quicker than a traditional panel radiator.

Hydronic Low Voltage - see page 4
Functions in exactly the same way as a hydronic models but uses a transformer to ensure the product is safe to operate with wet hands.

Hydronic/Electric - see page 6
Like a hydronic model but also includes an electric element so you can still use the product when the central heating system is switched off.

Electric - see page 8
Plugs into a standard electrical socket when there isn't access to the central heating system. Electric heaters cost approx. 22p per kWh to run.



Alternative grille finishes

Most Space Saver models are supplied with a detachable Stainless Steel fascia grille. Alternative colours are shown below.



Black Brown Chrome White

Grilles shown are for colour reference only and switch configuration varies by product.

The grille accessory is specifically tailored to fit the latest version plinth heater - MK5 except for the SS80E model which is MK6. We advise customers to verify the compatibility of the grille with their product before making a purchase.

Outputs For other heat output data please download the data sheet from our website

Model	Heat Output		Sound levels		Fascia grille finish	Fan-only	Minimum plinth height (mm)
	Normal (kW)	Boost (kW)	Normal (dBA)	Boost (dBA)			
Hydronic							
SS80	0.8	1.1	32	40	Stainless Steel		80
SS3	1.1	1.4	26	39	Stainless Steel	•	120
SS5	1.3	1.7	27	43	Stainless Steel	•	120
SS7	1.6	1.9	30	44	Stainless Steel	•	120
SS9	2.2	2.4	41	46	Stainless Steel	•	120
Hydronic Low Voltage							
SS5 12V	1.3	1.7	31	39	Stainless Steel	•	120
Hydronic/Electric (Dual)							
SS5 Dual (in hydronic mode)	1.3	1.7	27	43	Stainless Steel	•	120
SS5 Dual (in electric mode)	1.0	-	27	43	Stainless Steel		120
Electric							
SS3E	1kW/2kW/3kW		42		Stainless Steel	•	120
SS2E	1kW/2kW		42		Stainless Steel	•	120
SS80E	0.6kW/1.2kW		42		Stainless Steel	•	80

Heat outputs tested in accordance with BS4856 using entering water temperature and 340 l/h (75gph) flow rate.
Heat outputs shown above are at 80°C entering water.
Fan-only option operational only when central heating system is switched off.
Dual models include an electric element which in electric heating mode will emit 1kW of heat. Sound levels measured at 1.5m.



SPACE SAVER - HYDRONIC

Connects to the Central Heating and uses the hot water generated by the boiler to provide the heat

Connects directly to Central Heating System

Available in heat outputs up to 2.4kW

Low water content for fast heat up

Summer mode for fan only air movement

Available as a 12v version for high humidity environments

Version for Scandinavian style kitchens with shallow plinth height

Dual versions that connects to Central Heating and Electric heating mode

Low running costs

Available in 5 different grille finishes

Now with EasiLink connection

All mains supplied hydronic Space Saver plinth heaters now come with an EasiLink connector as standard. This enables the Space Saver to be easily upgraded with one of two controllers.

Both controllers work along side the central heating system and provide local thermostatic control which is independent of the central heating thermostat:

SLVTB: A simple manual controller with on/off and temperature adjustment. The unit is battery powered and wall-mounted for easy installation into a standard sized electrical back box.

Wireless hand-held controller: A battery powered, wireless hand-held controller that can be used in manual mode or can be independently programmable

The EasiLink connector enables a simple upgrade via a plug and play connection with the controllers.

The supplied power lead needs to be wired into a fused 3A spur and this should be done by a qualified electrician. Then when the EasiLink is ready to be connected the unit can be easily plugged between the power lead and the Space Saver by a homeowner, plumber or heating engineer.



EasiLink Receiver



EasiLink + SLVTB



EasiLink + Hand-held

Heat Loss
Calculator
QR Code

Applications
Kitchen, utility and bathroom.

Motor
AC.

Finish
Fascia grille: Stainless Steel. See under attachments for other fascia grille colours.

Installation
Correct fascia grille opening must be cut to allow sufficient air intake.
20mm clearance above unit required.
Model secured to plinth by two screws through fascia grille.
Unit must be earthed (not 12 volt SELV).
Suitable for two-pipe central heating systems only.
SS80 models have easy fit thermostat facility.

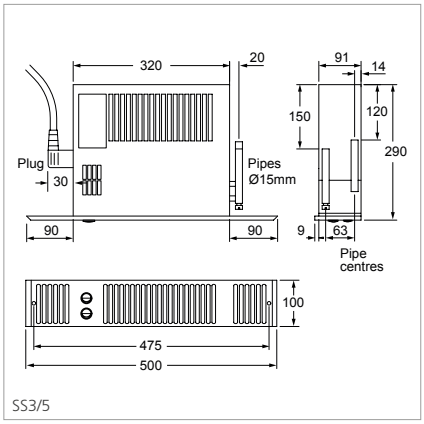
Commissioning
Check water temperature is hot enough to activate low temperature cut-out thermostat. (LTC). Vent screw accessible through fascia grille.

Controls
Single rocker switch - low/off/normal.
SS80: Low temperature cut-out thermostat set to energise fan at approximately 33°C.
SS5/Dual: Wireless temperature control featuring comfort, setback and run back timer (battery operated) supplied, three rocker switches, heating/off/fan-only, hydronic/electric, normal/boost.
Low temperature cut-out thermostat set to energise fan at approximately 33°C.
All other models: two rocker switches -normal/off/boost, heating/fan-only.
Low temperature cut-out thermostat set to energise fan at approximately 33°C.

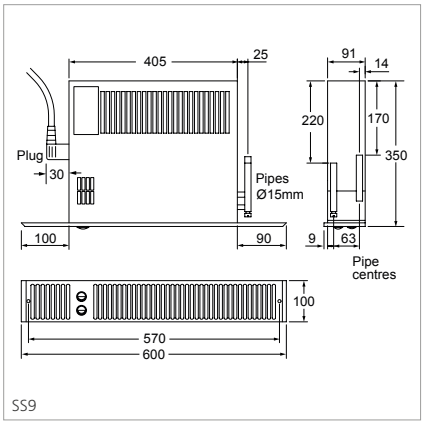
Accessories
Wall-mounted room thermostat (not 12V SELV).
Grilles: brown (RAL 8016), black (RAL 9005), white (RAL 9010) and chrome.
EasiLink Controls (not 12V SELV).


SS3, SS5, SS7

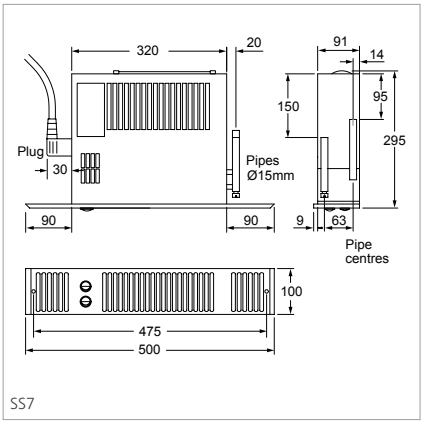

SS9



SS3/5



SS9



SS7

SPACE SAVER - HYDRONIC

Connects to the Central Heating and uses the hot water generated by the boiler to provide the heat



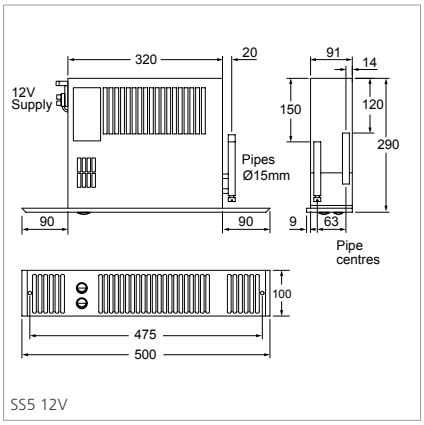
SS5 12V



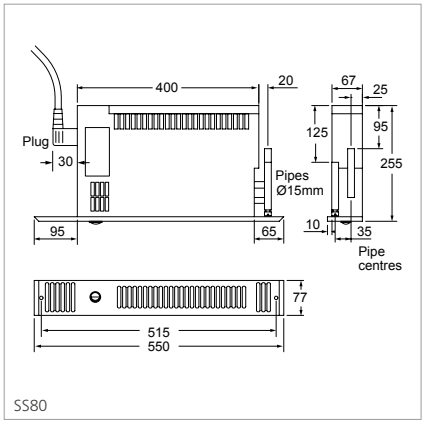
SS80



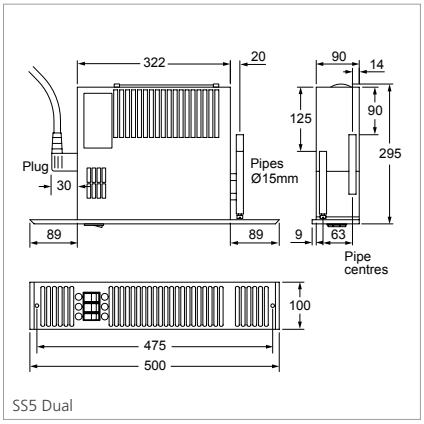
SS5 Dual



SS5 12V



SS80



SS5 Dual



Model	Flow & return connections	Mains cable	Transformer	Flexible hoses	Fused spur	Total Power Consumption		Water Capacity (Litres)
						Normal (W)	Boost (W)	
SS3	15mm	2m	n/a	n/a	3A	18	25	0.36
SS5	15mm	2m	n/a	yes	3A	18	25	0.36
SS7	15mm	2m	n/a	yes	3A	21	30	0.38
SS9	15mm	2m	n/a	yes	3A	24	35	0.53
SS80	15mm	2m	n/a	yes	3A	5	10	0.35
SS5 12V	15mm	0.45m	•	yes	3A	21	30	0.36
SS5 Dual	15mm	2m	n/a	yes	5A	18 (electric mode)	25 (electric mode)	0.36

Ordering guide

Model	Packed Wt (kg)	Product Codes
Hydronic - with stainless steel grilles		
SPACE SAVER SS3	5	HPSS10001
SPACE SAVER SS5	6	HPSS10002
SPACE SAVER SS7	6	HPSS10003
SPACE SAVER SS9	7	HPSS10004
SPACE SAVER SS80	5	HPSS10009
SPACE SAVER SS5/12V	6	HPSS10005
Hydronic/Electric - with stainless steel grilles		
SPACE SAVER SS5/Dual	6	HPSS10076

Accessories	Colour	Product Codes
SPACE SAVER SS3 / SS5 / SS5 12V / SS7 GRILLE	BROWN	HASS10101
SPACE SAVER SS3 / SS5 / SS5 12V / SS7 GRILLE	BLACK	HASS10102
SPACE SAVER SS3 / SS5 / SS5 12V / SS7 GRILLE	WHITE	HASS10103
SPACE SAVER SS3 / SS5 / SS5 12V / SS7 GRILLE	CHROME	HASS10104
SPACE SAVER SS9 GRILLE	BROWN	HASS10111
SPACE SAVER SS9 GRILLE	BLACK	HASS10112
SPACE SAVER SS9 GRILLE	WHITE	HASS10113
SPACE SAVER SS9 GRILLE	CHROME	HASS10114
SPACE SAVER SS5 DUAL GRILLE	BROWN	HASS10121
SPACE SAVER SS5 DUAL GRILLE	BLACK	HASS10122
SPACE SAVER SS5 DUAL GRILLE	WHITE	HASS10123
SPACE SAVER SS5 DUAL GRILLE	CHROME	HASS10124
SPACE SAVER SS80 GRILLE	BROWN	HASS10141
SPACE SAVER SS80 GRILLE	BLACK	HASS10142
SPACE SAVER SS80 GRILLE	WHITE	HASS10143
SPACE SAVER SS80 GRILLE	CHROME	HASS10165
ROOM THERMOSTAT HARD WIRED		HAGA95001
FLEXIBLE HOSES 15MM PAIR		HAGA95002
EASILINK KIT WITH WIRELESS HAND-HELD CONTROLLER		HASS10167
EASILINK KIT WITH WIRELESS CONTROLLER SLVTB		HASS10168
EASILINK RECEIVER		HASS10166

The grille accessory is specifically tailored to fit the latest version MK5 plinth heater.
We advise customers to verify the compatibility of the grille with their product before making a purchase.



SPACE SAVER - ELECTRIC

Plugs into a standard electrical socket when there isn't access to the central heating system

Simple installation connects to mains electric

Output up to 3kW available

Version for Scandinavian style kitchens with shallow plinth height

Available with 5 different grille finishes

Complete with wireless programmable controller

Applications
Kitchen, utility and bathroom.

Motor
AC.

Finish
Fascia grille: Stainless Steel or White RAL 9010 (SS2E, SS3E). See under attachments for other fascia grille colours.

Installation
Correct fascia grille opening must be cut to allow sufficient air intake.
SS2E and SS3E - 20mm clearance above unit required.
SS80E - 10mm clearance above unit required.
Model secured to plinth by two screws through fascia grille.
Unit must be earthed.

Controls
Wireless temperature control with on/off function featuring a programmable timer and frost protection (battery operated) supplied.
Overheat protection: thermal cut-out.
Manual reset procedure: switch power off at unit or mains, wait 5 minutes, switch power on.
SS2E: three rocker switches on/off, 1kW, 2kW.
SS3E: two rockers switches 1kW, 2kW, 3kW.
SS80E: three rocker switches on/off, 0.6kW, 1.2kW.

Accessories
Grilles SS2E: brown (RAL 8016), black (RAL 9005), white (RAL 9010), chrome.
Alternative grilles for SS2E fit over the supplied grille.
Grilles SS80E: brown (RAL 8016), black (RAL 9005), white (RAL 9010).

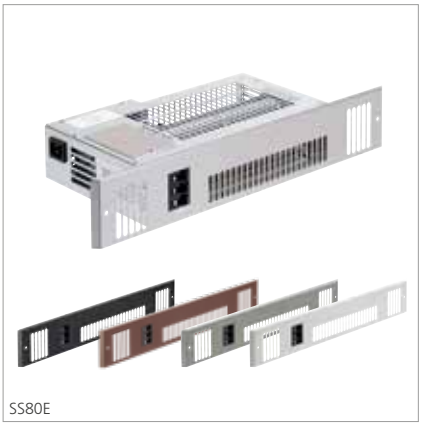
Heat Loss Calculator QR Code



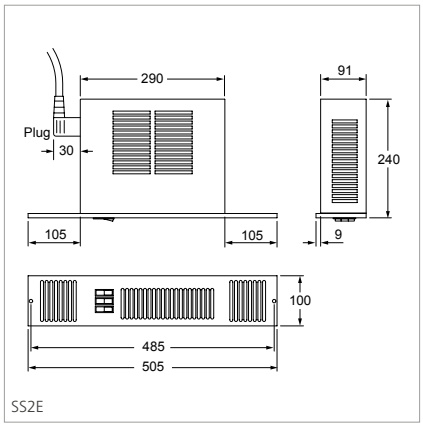
SS2E



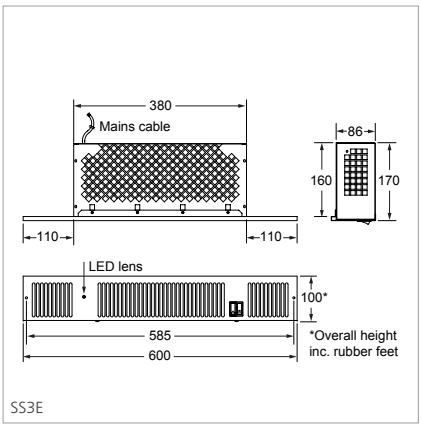
SS3E



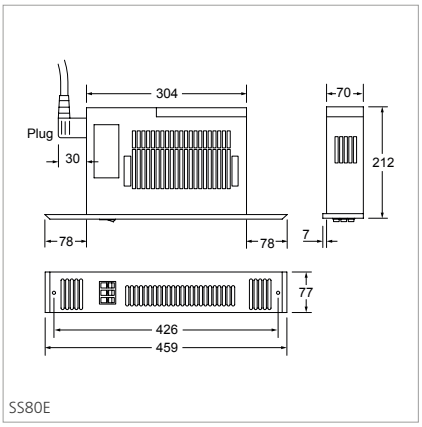
SS80E



SS2E



SS3E



SS80E

Outputs

Model	Mains cable	Fused spur	Output (kW)
SS2E	2m	10A	1kW/2kW
SS3E	2m	13A	1kW/2kW/3kW
SS80E	2m	10A	0.6kW/1.2kW

Ordering guide

Model	Packed Wt (kg)	Product Codes
Electric		
SPACE SAVER SS2E (STAINLESS STEEL GRILLE)	4	HPSS10070
SPACE SAVER SS2E (WHITE GRILLE)	4	HPSS10079
SPACE SAVER SS3E (STAINLESS STEEL GRILLE)	5	HPSS10075
SPACE SAVER SS3E (WHITE GRILLE)	5	HPSS10084
SPACE SAVER SS80E MK 6 (STAINLESS STEEL GRILLE)	4	HPSS10073
Attachments	**Colour**	**Product Codes**
SPACE SAVER SS2E GRILLE	BROWN	HASS10131
SPACE SAVER SS2E GRILLE	BLACK	HASS10132
SPACE SAVER SS2E GRILLE	WHITE	HASS10133
SPACE SAVER SS2E GRILLE	CHROME	HASS10134
SPACE SAVER SS80E MK6 GRILLE	BROWN	HASS10169
SPACE SAVER SS80E MK6 GRILLE	BLACK	HASS10170
SPACE SAVER SS80E MK6 GRILLE	WHITE	HASS10171
SPACE SAVER SS80E MK6 GRILLE	CHROME	HASS10172

The grille accessory is specifically tailored to fit the latest version plinth heater - MK5 except for the SS80E model which is MK6. We advise customers to verify the compatibility of the grille with their product before making a purchase.



THE BENEFITS OF WORKING WITH SMITH'S

Over 30 years of experience
Formed in 1991 Smith's Environmental Products has grown to become the leading supplier of domestic and light commercial fan-assisted hydronic heat emitters. The company is the UK's market leader and has significant shares of both the North American and European markets. Smith's Environmental Products is a member of The Swan Group.

We have a dedicated R&D team who work closely with customers and suppliers alike to develop innovative heating and cooling solutions.

We continue to develop our product range to improve the performance and environmental credentials of our products.

UK manufacturer
Operating from 40,000 square feet of factory and office space near Chelmsford in Essex we manufacture our product range from raw materials through to finished product utilising computerised design and automated production techniques.

Shorter lead times
Manufacturing most of our products from raw materials means we are able to provide our customers with lead
times as short as 5 working days on the most commonly
used products.

5-year warranty
We provide a 5 year warranty as standard on most products including our Space Saver range of products.

Extensive Testing and Certification
Smith's products undergo demanding tests for compliance, safety and performance. Our manufacturing facilities are regularly appraised and meet the exacting standards of national approval boards such as UL, CSA and Kema.

Our range of heating/cooling product meet all relevant standards and regulations, and come with a guarantee of quality and safety.

Our products are independently tested and verified by BSRIA and SRL Technical services.

Quality and the environment
At Smith's we recognise that quality is about more than just the product, it's an approach that runs throughout the business and is centred on meeting and exceeding customers' expectations.

As part of our commitment to both quality and the environment we hold both ISO 9001(2015) and ISO 14001 certification.

Smith's is a member of the Achilles Building Confidence Scheme.

Technical and free quotation service
If you have a project please contact us, as our customer service is second to none and we are happy to offer any help and guidance that you might need.
technical.sales@smithsep.co.uk | +44 (0) 1245 324560





Happy to help

Smith's Environmental Products Ltd is one of the leading manufacturers of heating and cooling products in the UK. We are committed to achieving the highest standards and our faith is supported by a free parts and labour guarantee with every product (see our website for more information). Our customer service is second to none and we are happy to offer any help and guidance that you might need.

Stockists

All products are available nationally from Builders' Merchants, Plumbers' Merchants, Heating Equipment Distributors and Kitchen Equipment Distributors. In the event of difficulty, please contact us or visit our website SmithsEP.co.uk for details of your nearest stockist.

Information and advice

Full technical specifications and list prices are available to download from our website or in hard copy from our office. Also available on our website are price lists, individual product data sheets, installation & user guides, where to buy, who to contact and a media centre.

Alternatively contact our office 9.00am to 5.00pm Monday to Friday.

As part our commitment to continuous improvement Smith's Environmental Products may change the specifications of its products without prior notification or public announcement. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. All dimensions are in mm unless otherwise stated. Please visit the website for the most up to date information.

To view the full product information download the datasheet at: www.SmithsEP.co.uk

For product information, customer services or sales support call us on **+44 (0) 1245 324900**

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#ThinkSmiths

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