VPS UNDERFLOOR HEATING

www.vpsunderfloorheating.co.uk

PRODUCT CATALOGUE

2021 – 2022

GRUNDFOS · heatmiser · ESBE · SALUS CONTROLS · prowarm

ALL PRICES EX. VAT

VPS
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Contents

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PRE-ASSEMBLED UNDERFLOOR HEATING MANIFOLDS

Manifold comes with Iso Valves, Flow Meters, Gauges, Fill & Drain points.

Stainless Steel pre-assembled distribution manifold.

Can be fitted with ball valves with temperature gauges for £9.86 extra.

Accepts manifold control pump pack.

Code	Size	Price
VPSMAN02	2-port	£63.33
VPSMAN03	3-port	£74.98
VPSMAN04	4-port	£86.07
VPSMAN05	5-port	£101.37
VPSMAN06	6-port	£115.34
VPSMAN07	7-port	£127.76
VPSMAN08	8-port	£140.18
VPSMAN09	9-port	£151.39
VPSMAN10	10-port	£161.92
VPSMAN11	11-port	£174.34
VPSMAN12	12-port	£185.26

REPLACEMENT COMPONENTS

Replacement Flow Meter

Code	Size	Price
replacementFM	Fits standard manifolds	£9.65

Replacement Pressure Gauge

Code	Size	Price
replacementPG	Fits standard manifolds	£11.00

Ball Valves for VPS Manifold

Code	Size	Price
BALLVALVES-NOTEMP	Fits standard manifolds	£15.98

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ELECTRO THERMAL ACTUATORS

2-WIRE THERMAL ACTUATORS

Code	BRAND	Size	Spec.	Price
TA230	Heatmiser	M30 Thread	230V	£11.13
T30NC230	Salus	M30 Thread	230V	£10.42
T30NC24	Salus	M30 Thread	24V	£10.42

SALUS THB23030 AUTO-BALANCING ACTUATOR

£22.43

- M30 Thread with easy installation
- "Fit & Forget" – No need for manual adjustments or monitoring
- 230V; Normally Closed

WRAS-APPROVED PEX-AL-PEX PIPE

- WRAS-Approved Product
- 16mm OD x 12mm ID
- Maximum operating temperature of 95°C
- Maximum operating pressure of 1.25 MPa

WRAS Approved PEX-AL-PEX Pipe

Code	Size	Price
PEXALPEX80	80m	£51.52
PEXALPEX100	100m	£64.40
PEXALPEX200	200m	£118.80
PEXALPEX500	500m	£322.00

Pipe Conduit (Blue or Red)

Code	Size	Price
PIPECONDUIT	22mm x 50m	£19.45

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PUMPS & CONTROL PACKS

Our Manifold Control Pack with Grundfos UPM3 Auto L Pump and ESBE VTA Series Blending Valve is designed to be the field leading solution for underfloor heating systems. Both ESBE and Grundfos represent the highest quality the industry has to offer.

A-Rated Grundfos Manifold Control Pack
Includes:
- Grundfos UPM3 Auto L 25-70 130 Pump
- ESBE VTA Series Blending Valve
- Temperature gauges on Flow & Return

Code	Size	Price
GF-EBV322-MCP01	2-6 Zone – VTA322	£180.00
GF-EBV-MCP	2-12 Zone – VTA372	£184.00

Our Manifold Control Packs with IBO or OHI 25-60/130 Pumps and ESBE VTA 372 Blending Valves are a reliable, modern and economical solution for wet underfloor heating systems. They represent excellent value for money, offering unmatched quality at their price point.

OMIS/IBO Manifold Control Pack
Includes:
- OMIS 25-60/130 Pump or IBO OHI 25-60/130 Pump
- ESBE VTA Series Blending Valve
- Temperature gauges on Flow & Return

Code	Size	Price
OMI-EBV-MCP	2-12 Zone	£149.00
IBO-EBV-MCP	2-12 Zone	£146.00

Single Zone Grundfos Manifold Control Pack
Includes:
- Grundfos UPM3 Auto L 25-70 130 Pump
- Mixing Valve

Suitable for systems up to 3kW

Code	Size	Price
GF-SZ-MCP01	Single Zone	£184.00

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PIPE & MANIFOLD FITTINGS

Manifold Adaptor
Required for connecting pipe to the manifold.

Code	Type	Price
MA15	15mm	£2.08
MA16	16mm	£2.08
MA17	17mm	£3.08

3/4" Manifold Blank Cap
3/4" Brass female blanking cap for capping off spare ports of underfloor heating manifolds.

Code	Type	Price
BC34	3/4"	£1.35

16mm Compression Coupling
Nickel plated compression coupling 16mm x 16mm

Code	Type	Price
CC16	16mm	£3.18

16mm 1/2" Connector
16mm – 1/2" Compression Connector

Code	Type	Price
1612CON	16mm	£2.80

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PIPE STAPLES

Staples to fix our 16mm PEX-AL-PEX pipe to an insulated surface.

Code	Type	Price
PIPECLIP40	40mm	£8.10
PIPECLIP60	60mm	£8.91

PIPE CLIP RAIL

The clip rail track is ideal to use when installing a wet underfloor heating system on a screed floor. This rail is secured by the included self-adhesive backings.

Code	Type	Price
PCR01	1000mm	£0.90

90º PIPE SUPPORT BEND

Underfloor heating pipe support bend for pipe 15mm to 20mm.

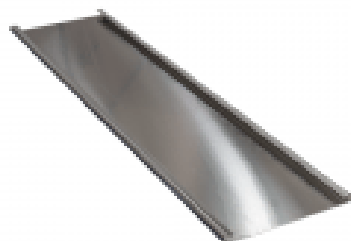| Code	Type	Price
PSB1612	16mm – 1/2"	£0.68

PANELS & INSULATION
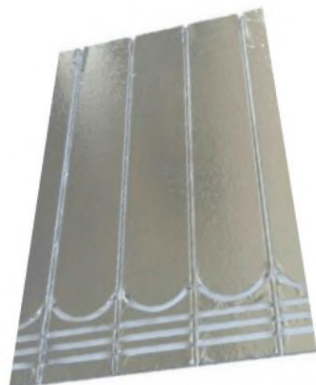
EPS400 OVERLAY PANELS

The EPS 400 low profile overlay floor panel (1200mm x 600mm x 20mm) offers a simple solution to install underfloor heating into your home without the need to uplift your floor. The panels can be placed directly onto the existing concrete, floorboards or solid flooring and are a perfect choice for retrofit installations.

Code	Type	Price
EPS400-100M	1200 x 600 x 20	£10.45
EPS400T	1200 x 600 x 20 – Transitional	£10.40
EPS400	1200 x 600 x 20	£11.96

ALUMINIUM SPREADER PLATES

Aluminium spreader plates are ideal for underfloor heating applications on suspended floor constructions. The void between the joists must be insulated.

Code	Type	Price
ASP125	125mm spacing (133mm average)	£5.60
ASP200	200mm spacing	£4.39
WIDEALUSP	*Example*: custom 1000mm x 440mm	£5.75
FBAP250	2-groove; fit from below	£4.19
SFBAP150	Single groove; fit from below	£2.93

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WET SCREED PANELS

Made from 100% recycled high impact plastic, these wet screed panels have 50mm centres which enable spacing of 100mm, 150mm and 200mm centres. Ideal for ensuring accurate pipe spacing and even heat distribution.

Code	Type	Size	Price
WSP01	1.12m2	1400x800x20	£6.07

PERIMETER INSULATION

For use with screeded floors.

Code	Type	Price
YELLOW-EIN25	25m x 150mm x 8mm	£9.65

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COMPLETE SINGLE-ZONE WET UNDERFLOOR HEATING KITS

Our complete wet underfloor heating kits (single zone) contains everything required to install an underfloor heating solution to your chosen floor area.

These packs are only suitable for floor areas where one zone (thermostat) control is required.

Each pack includes the following:

- 16mm PEX-AL-PEX pipe
- Manifold control pack (Grundfos A rated pump, ESBE VTA Series blending/mixing valve)
- Underfloor heating manifold & pipe connectors
- Edge insulation
- Pipe staples
- Heatmiser programmable room thermostat (Slimline V3)

200MM PIPE SPACING

Code	Size	Price
200UFHKITGF20	20m2	£339.26
200UFHKITGF30	30m2	£374.39
200UFHKITGF40	40m2	£414.68
200UFHKITGF50	50m2	£487.60
200UFHKITGF60	60m2	£487.60
200UFHKITGF70	70m2	£568.11
200UFHKITGF80	80m2	£568.11
200UFHKITGF90	90m2	£653.12
200UFHKITGF100	100m2	£661.22
200UFHKITGF110	110m2	£748.65
200UFHKITGF120	120m2	£748.65
200UFHKITGF130	130m2	£830.37
200UFHKITGF140	140m2	£839.15
200UFHKITGF150	150m2	£912.76
200UFHKITGF160	160m2	£929.64
200UFHKITGF170	170m2	£1,002.15
200UFHKITGF180	180m2	£1,002.15
200UFHKITGF190	190m2	£1,090.93
200UFHKITGF200	200m2	£1,090.93

150MM PIPE SPACING

Code	Size	Price
150UFHKITGF20	20m2	£374.39
150UFHKITGF30	30m2	£429.33
150UFHKITGF40	40m2	£507.41
150UFHKITGF50	50m2	£568.11
150UFHKITGF60	60m2	£568.11
150UFHKITGF70	70m2	£644.35
150UFHKITGF80	80m2	£731.11
150UFHKITGF90	90m2	£739.88
150UFHKITGF100	100m2	£821.60
150UFHKITGF110	110m2	£903.99
150UFHKITGF120	120m2	£903.99
150UFHKITGF130	130m2	£984.61
150UFHKITGF140	140m2	£1,082.15
150UFHKITGF150	150m2	£1,082.15
150UFHKITGF160	160m2	£1,163.87
150UFHKITGF170	170m2	£1,177.58
150UFHKITGF180	180m2	£1,177.58

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125MM PIPE SPACING

Code	Size	Price
125UFHKITGF20	20m2	£374.39
125UFHKITGF30	30m2	£420.28
125UFHKITGF40	40m2	£509.56
125UFHKITGF50	50m2	£568.11
125UFHKITGF60	60m2	£644.35
125UFHKITGF70	70m2	£731.11
125UFHKITGF80	80m2	£812.83
125UFHKITGF90	90m2	£903.32
125UFHKITGF100	100m2	£903.32
125UFHKITGF110	110m2	£984.61
125UFHKITGF120	120m2	£1,082.15
125UFHKITGF130	130m2	£1,163.87
125UFHKITGF140	140m2	£1,177.58
125UFHKITGF150	150m2	£1,177.58

100MM PIPE SPACING

Code	Size	Price
100UFHKITGF20	20m2	£405.91
100UFHKITGF30	30m2	£478.83
100UFHKITGF40	40m2	£568.11
100UFHKITGF50	50m2	£652.45
100UFHKITGF60	60m2	£731.11
100UFHKITGF70	70m2	£812.83
100UFHKITGF80	80m2	£894.55
100UFHKITGF90	90m2	£975.84
100UFHKITGF100	100m2	£1,055.84
100UFHKITGF110	110m2	£1,146.33
100UFHKITGF120	120m2	£1,160.04

TOOLS

Pipe Cutter

Code	Price
PIPECUTTERS	£5.74

Pipe Decoiler

Code	Price
PD01	£159.00

Aluminium 60mm Pipe Staple Fixing Gun

Code	Price
PSG01	£108.00

Pipe Reaming Tool

Code	Price
PRT16	£1.62

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UNDERFLOOR HEATING CONTROLS

Heatmiser Range

Neo Series

All controls in the Neo Range are configured to work with the neoHub Wi–Fi bridge, permitting you to control your heating from anywhere using the Heatmiser neoApp.

neoStat V2 – Smart Programmable Room Thermostat

Code	Type	Price
neoStat–(W/B/S)	230V – Wet UFH	£45.42
neoStat–12V–(W/B/S)	12V – Wet UFH	£46.25
neoStat–e (White/Black/Silver)	230V – Electric UFH	£48.37

- Illuminated touch controls
- neoStat-e includes 3m remote floor probe

neoStat–HW V2 – Hot Water Programmer

Code	Type	Price
neoStatHW-W	Glacier White	£46.25
neoStatHW-B	Sapphire Black	£46.25
neoStatHW-S	Platinum Silver	£46.25

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neoHub Gen 2

The Heatmiser neoHub is the gateway to the Neo System, providing remote control all of the neoStats in your home.

Heatmiser is proud to be one of the very first heating control manufacturers to support HomeKit, the home automation platform from Apple.

£89.52

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neoUltra

£90.79

- Central control point for your home
- Also functions as a standalone thermostat

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Heatmiser NeoAir Smart Wireless Thermostat

Code	Type	Price
NEOAIR–W	Glacier White	£49.58
NEOAIR–B	Sapphire Black	£49.58
NEOAIR–S	Platinum Silver	£49.58

- Wireless; battery powered
- Great for retrofit projects

Heatmiser neoPlug – Smart Plug

Code	Type	Price
NEOPLUG	White	£30.43

Expand your neoSystem with the Heatmiser neoPlug and control your appliances from anywhere. Simply plug your appliance into the neoPlug & it will then communicate wirelessly with your neoHub allowing control via Smartphone/Tablet. Also functions as a repeater for RF/neoSystem.

neoKits & Bundles

Code	Type	Price
NEOKIT1–W	neoHub Gen 2 + White neoStat	£135.77
NEOKIT1–B	neoHub Gen 2 + Black neoStat	£135.77
NEOKIT1–S	neoHub Gen 2 + Silver neoStat	£135.77
NEOKIT2–W	Hub + White neoStat + neoStat HW	£182.02
NEOKIT2–B	Hub + Black neoStat + neoStat HW	£182.02
NEOKIT2–S	Hub + Silver neoStat + neoStat HW	£182.02
NEOAIRKIT–W	Hub + White neoAir + RF Switch	£172.02
NEOAIRKIT–B	Hub + Black neoAir + RF Switch	£172.02
NEOAIRKIT–S	Hub + Silver neoAir + RF Switch	£172.02
neoKit–e White V2	neoHub Gen 2 + White neoStat–e	£137.88
neoKit–e Black V2	neoHub Gen 2 + Black neoStat–e	£137.88
neoKit–e Silver V2	neoHub Gen 2 + Silver neoStat–e	£137.88

Code	Type	Price
NEOAIRBUNDLEWHITE	Stat+RF Switch+Desk Stand	£88.63
NEOAIRBUNDLEBLACK	Stat+RF Switch+Desk Stand	£88.63
NEOAIRBUNDLESILVER	Stat+RF Switch+Desk Stand	£88.63
NEOAIRBUNDLEWHITE	Stat+RF Switch+Desk Stand	£88.63
NEOAIRBUNDLEBLACK	Stat+RF Switch+Desk Stand	£88.63
NEOAIRBUNDLESILVER	Stat+RF Switch+Desk Stand	£88.63

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Heatmiser Slimline Range

Heatmiser Slimline V3/Slimline-E V3 Thermostat

The Heatmiser Slimline V3 Programmable Room Thermostat is a room stat and programmer in one, providing up to 4 different temperatures at different times of the day.

Code	Type	Price
Slimline V3	Wet Underfloor Heating	£39.58
SLIMLINE-E V3	Electric Underfloor Heating	£39.58

Heatmiser Slimline-RF V2 Thermostat

The Heatmiser Slimline-RF v2 works with the UH8- 8 Zone Wireless Wiring Centre and the Heatmiser RF Switch Wireless receiver.

Code	Type	Price
SLIMINERFV2	White	£40.42
SLIMLINERFKITV2	Slimline RF + RF-Switch	£62.27

Heatmiser Slimline B

The Heatmiser Slimline-B is ideal for retrofit installations, being battery-powered.

Code	Type	Price
Slimline-B	White	£39.58

Heatmiser Touch Range

Heatmiser Touch V2/Touch-E V2 Thermostat

The Touch V2 is the all new underfloor heating touchscreen thermostat. The Touch V2 can work in thermostat or timer mode. A wireless Door/Window Switch can be paired to the Touch V2, automatically switching the heating off when the window or door is open.

Code	Type	Price
TouchV2	White	£43.75
TouchV2Carbon	Black	£43.75
TOUCH-E V2	Electric UFH – White	£42.33
TOUCH-E CARBON	Electric UFH – Black	£47.97

Heatmiser 230V Dial Thermostat Range

Heatmiser DS1

The DS1 is a surface mounted dial thermostat that is easy to install.
This thermostat is used in conjunction with a separate programmer.

Code	Type	Price
DS1V2	White	£13.40

Heatmiser DS-SB

The DS-SB Set Back Thermostat is ideal for those wanting a simple but energy efficient control system. The set back function will automatically reduce the set temperature by 4C when no time clock signal is detected.

Code	Type	Price
DS-SB	White	£26.20

Heatmiser DS1-L

The DS1-L incorporates an LCD temperature display screen.

Code	Type	Price
DS1-L	White	£16.53

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Heatmiser Wiring Centres

Heatmiser UH8 – 8 Zone 230v Wiring Centre

The Heatmiser UH8 – 8 Zone 230v Wiring Centre is designed to work with our 4 channel 230v time clock (TM4) and 230v Set Back thermostat (DS-SB) but equally could be used with any 230v room thermostat including neoStats, neoStat-HW, Slimlines & Touches

Code	Type	Price
UH8	230v Wiring Centre	£49.58

Heatmiser UH8-N – 8 Zone 12v Wiring Centre

The Heatmiser UH8 – 8 Zone 12v Wiring Centre is designed to work with all 12V network thermostats.

Code	Type	Price
UH8-N	12v Wiring Centre	£89.36

Heatmiser UH8-RF – 8 Zone Wireless Wiring Centre

The Heatmiser UH8-RF – 8 Zone Wireless Wiring Centre is designed to work with Slimline-RF and neoAir thermostats.

Code	Type	Price
UH8-RF	Wireless Wiring Centre	£82.92

Heatmiser UH6 – 6 Zone 230v Wiring Centre

The Heatmiser UH6 – 6 Zone 230v Wiring Centre is designed to work with our 4 channel 230v time clock (TM4) and 230v Set Back thermostat (DS-SB) but equally could be used with any 230v room thermostat including neoStats, neoStat-HW, Slimlines & Touches

Code	Type	Price
UH6	230v Wiring Centre	£49.15

Heatmiser UH4 – 4 Zone 230v Wiring Centre

The Heatmiser UH4 – 4 Zone 230v Wiring Centre is designed to work with our 4 channel 230v time clock (TM4) and 230v Set Back thermostat (DS-SB) but equally could be used with any 230v room thermostat including neoStats, neoStat-HW, Slimlines & Touches

Code	Type	Price
UH4	230V Wiring Centre	£38.60

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Heatmiser Accessories

Heatmiser Wireless Air Temperature Sensor

The Wireless Air Sensor is compatible with the Touch, Edge & Neo Series. Up to 16 air sensors can be paired to a single thermostat when an average temperature reading is required.

Code	Type	Price
RF SENSOR	White	£12.08

Heatmiser Wireless Window/Door Contact Sensor

The Heatmiser Wireless Window/Door Contact Sensor is compatible with the Edge Thermostat Series and can be used to switch the heating off whenever a window or door is opened. Up to 16 contact sensors can be paired to a single Edge Thermostat.

Code	Type	Price
DOOR CONTACT	White	£15.08

Heatmiser RF Switch

The Heatmiser RF Switch is a surface mount 2 channel wireless receiver. It is capable of controlling 1 heating zone and 1 hot water zone and provides a volt free output for the boiler. Can be paired to the UH8-RF to provide a wireless link to boiler.

Code	Type	Price
RFSWITCH	White	£32.92

Heatmiser RF Switch 16A

The Heatmiser RF Switch 16A is our surface mount wireless receiver for electric heating devices (such as electric wall heaters). It is capable of switching up to 16A. Please note, this is not designed for electric floor heating as there is no floor limiting sensor function.

Code	Type	Price
RFSWITCH16A	White	£35.42

Heatmiser neoAir Stand

The Heatmiser neoAir Stand has been specifically designed for the neoAir, allowing you to position the neoAir thermostat on a table.

Code	Type	Price
NEOSTAND	White	£6.13

Heatmiser 3m Remote Sensor Probe

Can be used to measure air or floor temperature. Supplied with a 3 metre cable which can be extended to 20 meters if required.

Code	Type	Price
MISC 103	3m Remote Sensor Probe	£3.91

Empty Room Sensor Enclosure

This product houses remote sensor probes. Ideal for use in en-suites.

Code	Type	Price
EN030	White	£3.91

Heatmiser Thimble Sensor

The heatmiser thimble sensor is compatible with all Heatmiser Thermostats that accept remote sensors. The sensing element is mounted in an attractive and discreet "thimble" enclosure for surface mounting usually on a backplate or ceiling tile in a room's natural airflow.

Code	Type	Price
Thimble Sensor	White	£9.31

Heatmiser Boost

The Heatmiser Boost is a neoSystem & RF series repeater. The boost is surface mounted for easy installation and can be used to repeat the RF and neoData signals.

Code	Type	Price
BOOST	White	£31.11

Wall Plate for Neostat

A wall plate designed to be fitted to the wall behind your neoStat device. Keeps fingerprints off of the wall surrounding the device. Dimensions: 11cm x 11cm

Code	Type	Price
WALL PLATE	White	£2.53

Metal Back Box

Code	Type	Price
MISC084	35mm	£1.79

Plastic Easy Fix Back Box

Code	Type	Price
MISC085	35mm	£1.79

Heatmiser EA1 - Extended Aerial (EA1)

Our external aerial is designed to work with our UH8-RF Wireless Wiring Centre.

Code	Type	Price
DOOR CONTACT	White	£10.08

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Salus Range

Salus SQ610 Quantum Thermostat

The SALUS Quantum Thermostat is the latest multifunctional thermostat to arrive to the market. Designed with simplicity and style in mind, the device is one of the slimmest on the market.

Code	Type	Price
SQ610	White 230v	£46.25
SQ610RF	White Wireless	£49.00

UG600

Universal Gateway

The SALUS Smart Home Gateway is what connects your SALUS Smart Home devices together and when connected to any WiFi router allows control via Smartphone or Tablet using the SALUS Smart Home app.

£61.25

Salus RX10RF – Boiler Receiver

The SALUS System Receiver can be used as part of the SALUS Smart Home system as an external boiler switch. The receiver can be used with the TRV10RFM.

Code	Type	Price
RX10RF	White	£30.19

Salus SW600 – Window and Door Sensor

The new window sensor is a small, slim, wireless piece of equipment that detects when a window is open or closed and reports this to the SALUS smart home app.

Code	Type	Price
SW600	White	£21.47

Salus SP600 – Smart Plug

The SALUS Smart Plug is inserted directly into an existing power outlet. It gives smartphone and tablet control of the device plugged into the smart plug via the SALUS Smart Home app. This product must be used with the SALUS Smart Home gateway.

Code	Type	Price
SP600	White	£24.85

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Salus SR600 – Smart Relay

The SR600 relay is installed directly into a junction box to create a hardwired semi-permanent control solution for lighting, heating or appliances.

Code	Type	Price
SR600	White	£18.00

Salus TRV10RFM – Smart Radiator Control

The TRV10RFM is a battery-powered, mini-size thermostatic radiator valve (TRV) controller using ZigBee wireless communication.

Code	Type	Price
TRV10RFM	White	£24.16

Salus Wiring Centres

Salus KL08NSB – 8 Zone Wiring Centre

The KL08NSB has 8 control zones, each with connections for up to 4 heating zones (actuators). The pump logic and boiler logic, a connection for Dew point sensor and the C/O input for automatic switching from heating to cooling are standard.

Code	Type	Price
KL08NSB	8 Zone	£49.00

Salus KL08RF - 8 Zone Wireless Wiring Centre

The KL08RF has 8 control zones, each with connections for up to 3 heating zones (actuators). The pump logic and boiler logic, a connection for Dew point sensor and the C/O input for automatic switching from heating to cooling are standard.

Code	Type	Price
KL08RF	8 Zone RF	£81.95

Salus FS4000 - Floor Sensor

External sensor for underfloor heating, can be used as a floor sensor.
2 year warranty.

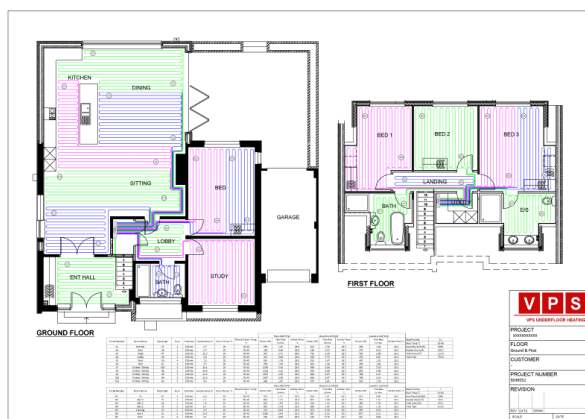| Code	Type	Price
FS4000	Floor Sensor	£3.70

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DESIGN & QUOTE SERVICE

Email your plans or drawings to us and our design team will prepare a comprehensive quotation for your Underfloor Heating project. We are happy to quote for any size of project – from small single room systems to large multi floor buildings or anything in-between.

It would greatly assist our designers if you could provide as much of the information from the following list as possible. Please let us know if you need any assistance with this.

1. Floor Construction – is it to be a screeded floor or some other method?

2. Heat Source – e.g. Gas Boiler, Air Source Heat Pump etc. ?

3. Are insulation levels to current standards?

4. Required pipe centres (if known) – most commonly 200mm pipe centres for modern properties or 150mmm for older properties or properties heated by heat pumps. Can also be 125mm or even 100mm depending on customer preferences.

5. Type of controls. Could be 230v, 12V or wireless. Also have options to control heating via smartphones & tablets.

6. Number of Zones. Please list the rooms you want to be controlled as single zones.

7. Manifold Location(s).

8. Any other information you think might be useful.

On receipt of your order, VPS Underfloor Heating will produce a full underfloor heating CAD design. This will be printed in colour on A3 paper and dispatched with the underfloor heating equipment. We can also supply a PDF version on request.

ALL PRICES EX. VAT

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