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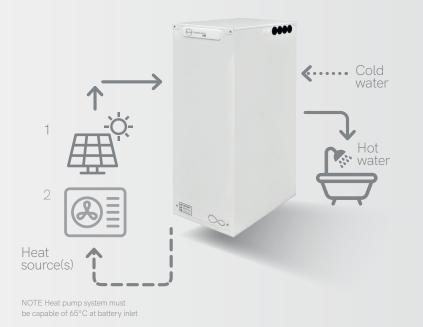
Thermino hpPV

Compatible with selected Vaillant and Ecoforest high temperature ground and air source heat pumps.

Whatever your heating system, Sunamp has a reliable hot water solution designed to increase comfort and reduce energy use. Linking solar PV with our super compact heat pump cylinder alternative, Thermino hpPV models give even greater protection against energy price rises.

The Thermino hpPV models work with a range of power diverters to store surplus electricity from Solar PV that would otherwise be lost to the grid. Super-compact and with no venting required, it is the easy way to add hot water storage and lower energy use and carbon emissions in the home.

How it works - Thermino hpPV



Key features

Space-saving – up to 4 x smaller than the hot water cylinder it replaces

Enables heat pump systems to be installed where otherwise they wouldn't fit

Lower heat losses – up to 4 x higher energy efficiency

A+ energy rating – saves up to 1000 kWh a year

High flow rate hot water

Instantaneously heated for hygiene and freshness

Fast and easy to install – no tundish, no high temp discharge pipework and T&P safety valve to maintain

No mandatory annual maintenance

Market-leading 10-year warranty on the heating element

Thermino hpPV technical data and dimensions

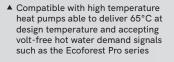
		150 hpPV	210 hpPV	300 hpPV	
Manufacturer's part number	Thermino hpPV ▲	DKP-DBW-ARZ-1	DNP-DBW-ARZ-1	DRP-DBW-ARZ-1	
	Thermino hpPV-VT ullet	DKP-DHW-ATZ-1	DNP-DHW-ATZ-1	DRP-DHW-ATZ-1	
Equivalent hot water cylinder size (L)		128	192	256	
V40* (L)		167	371	333	
Heat loss rate (kWh/24) (W)		0.67 (28.1)	0.77 (32.1)	0.84 (35)	
Energy efficiency rating class		A+			
Recommended flow rates (LPM)		15	20	25	
Minimum heat source flow temperature		65°C			
Maximum heat source flow temperature		80°C			
Minimum mains supply pressure		1.5 bar (0.15 MPa)			
Maximum mains pressure		10 bar (1.0 MPa)			
Hot water temperature		45-55°C			
Connected load at 230v, 50hz (W)		2,800			
Product weight in use (kg)		136	187	233	

* V40 refers to the volume (in litres) of water available at 40°C.

NOTE: In line with UK Building Regulations, Sunamp advise the installation of a suitable hot water supply tempering valve at the outlet of the appliance, to prevent the risk of scalding.

Dimensions

(mm)	150 hpPV	210 hpPV	300 hpPV
Dimension 1	575	575	575
Dimension 2	365	365	365
Dimension 3	640	870	1,050
Dimension 4	37	37	37
Dimension 5	78	78	78
Dimension 6	50	50	50



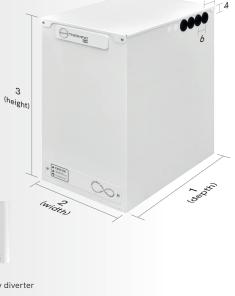
• Compatible with Vaillant aroTHERM Plus heat pumps

500ml expansion vessel Ċ5407

Optional extras

Tempering valve C5388

myenergi Eddi energy diverter C2160 (in selected markets only)



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