

Technical Data

SPECIFICATION TABLES

Clearly Solar Flat Plate Collectors

Model

Vertical collector
SRV 2.3



Horizontal collector
SRH 2.3



Dimensions and weights

Orientation	Vertical (Portrait)	Horizontal (Landscape)
Height / Width / Depth (mm)	2035 / 1233 / 80	1233 / 2035 / 80
Overall collector area (mm)	2.51	2.51
Aperture area (m2)	2.35	2.35
Absorber area (m2)	2.32	2.32
Weight (empty) (kg)	38	38
Capacity (solar fluid) (l)	1.85	2.16

Performance

Solar glass transmission (%)	91	91
Solar radiation absorption (%)	95	95
Solar radiation emission (%)	5	5
Efficiency η_0 (%)	79.0	80.1
Efficiency coefficient a_1 (W/M ² K)	2.41	3.32
Efficiency coefficient a_2 (W/M ² K ²)	0.049	0.023
Max operating pressure (bar)	10	10
Stagnation temperature (°C)	210	210
Certification	CE 0036 & Solar Keymark	CE 0036 & Solar Keymark

Materials & construction

Absorber Sheet	Aluminium	Aluminium
Absorber plate coating	Sunselect (selective)	Sunselect (selective)
Absorber tube	Copper	Copper
Absorber tube joints	Laser welded	Laser welded
Frame Aluminium	Extruded sides / sheet rear	Extruded sides / sheet rear
Glazing	Safety glass (low iron), 3.2mm	Safety glass (low iron), 3.2mm
Rear insulation	40mm	40mm
Solar fluid	Water / propylene glycol	Water / propylene glycol
Flow / return connections	DN 16 (G3/4")	DN 16 (G3/4")

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Clearly Solar Twin Coil Cylinders

Cylinder litres options :

200



250



300



Dimensions & Weights

Height / Width / Depth* (mm)	1499 / 554 / 598	1789 / 554 / 598	2109 / 554 / 598
Length of the immersion heater (mm)	430	430	430
Weight empty / full (kg)	39 / 245	44 / 310	49 / 340

Performance

Capacity (l)	200	250	300
Reheat capacity (boiler) (%)	63	63	60
Heat up time (boiler) (mins)	21	26	30
Recovery time (boiler) (mins)	13	16	21
Heat loss (kWh/24hrs)	1.9	2.1	2.4

Safety

Max mains inlet pressure (bar)	10	10	10
Pressure reducing valve setting (bar)	3.5	3.5	3.5
Expansion relief valve setting (bar)	6.0	6.0	6.0
T&P relief valve settings (°C / bar)	95 / 7.0	95 / 7.0	95 / 7.0

Connections

Mains inlet / hot water outlet ** (mm)	22	22	22
Balanced cold water outlet** (mm)	22	22	22
Boiler flow / return** (mm)	22	22	22
Solar flow / return** (mm)	22	22	22
Thermostats & thermal cut outs [V (Hz)]	240V (50Hz)	240V (50Hz)	240V (50Hz)
Immersion heater & motorised valve [V (Hz)]	240V (50Hz)	240V (50Hz)	240V (50Hz)

* Excluding clearances for connecting fittings / pipework **Compression fittings supplied