

# HP100

## Technical Specification HP100

	HP100 - 2m <sup>2</sup>	HP100 - 3m <sup>2</sup>
<b>Dimensions</b>		
Absorber Area	2.01m <sup>2</sup>	3.021m <sup>2</sup>
Overall Dimensions	2005 x 1418 x 97mm	2005 x 2127 x 97mm
Width of Manifold	1418mm	2127mm
Length (Tube and Manifold)	2005mm	2005mm
Depth	97mm	97mm
Aperture Area	2.157m <sup>2</sup>	3.229m <sup>2</sup>
Fluid Volume (In Manifold)	1.2l	1.7l
Inlet and Outlet Dimensons	22mm	22mm
Weight (Empty)	47.2kg	70.5kg
<b>Mounting</b>		
Recommended Inclination	20-70°	20-70°
<b>Operating Data</b>		
Efficiency	Based on Absorber	Based on Absorber
eta 0	0.815	0.795
k1	1.1 W/m <sup>2</sup> K	1.07 W/m <sup>2</sup> K
k2	0.0106 W/m <sup>2</sup> K <sup>2</sup>	0.008 W/m <sup>2</sup> K <sup>2</sup>
<b>Test Report</b>		
Performance Test report	BLG109 - 06	BLG110 - 06
Quality Test report		BQG111 - 06
Flow Rate		
Rated	160l/h	240l/h
Minimum	120l/h	180l/h
Maximum	300l/h	480l/h
Maximum Operating Pressure	8 Bar	8 Bar
Stagnation Temperature	183.6°C	183.6°C
Heat Transfer Fluid	Water/Glycol	Water/Glycol
<b>Materials</b>		
Absorber	Copper	Copper
Coating	Selective Coating	Selective Coating
Absorbance	95%	95%
Emissivity	5%	5%
Mounting frame and clips	Stainless Steel, Aluminium EPDM	Stainless Steel, Aluminium EPDM
Glass	Low Iron - Transm. 0.92	Low Iron - Transm. 0.92
Vacuum	Higher than 10 <sup>-8</sup> Bar	Higher than 10 <sup>-8</sup> Bar
Temperature limitation (Memotron)	95/130°C	95/130°C
Quality Certification / Solar Keymark	Yes	Yes