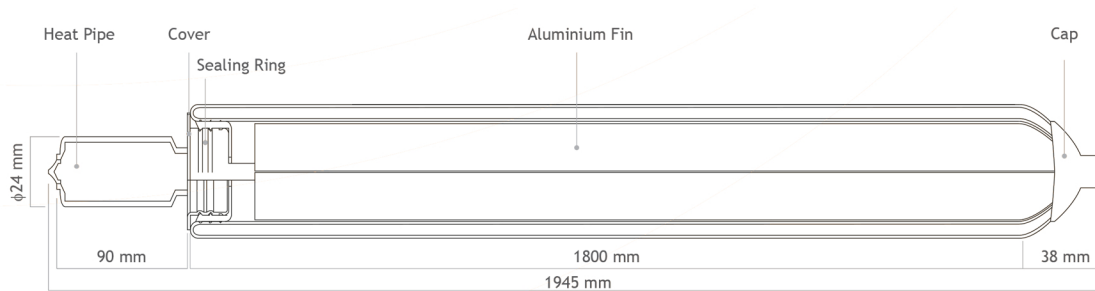
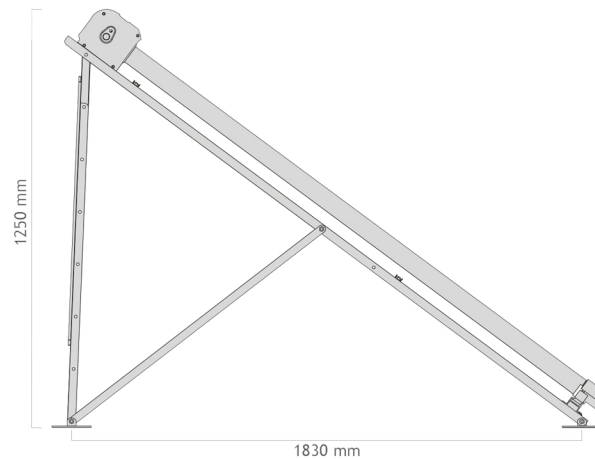
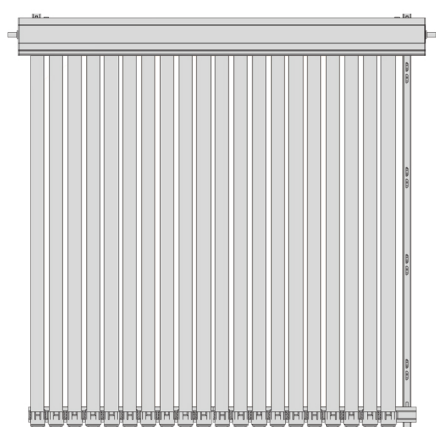


Technical Data



Size of Condenser	φ24 × 90 mm
Length of Glass Tube	1800 mm
Outer Tube Diametre	φ58 mm
Inner Tube Diametre	φ47 mm
Glass Thickness	2 × 1.6 mm
Glass Material	Borosilicate Glass 3.3

Absorptive Coating	ALN/AIN - SS/CU
Absorption Coefficient	>92%
Emission Coefficient	<8%
Vacuum	$P < 3.5 \times 10^{-3}$ Pa
Net Weight	2.70 kg
Hot Water Output (17Mj/m ² .dayΔT=45° C)	10L



WT-B 58-30

Dimensions	
Width of collector	2490 mm
Length of collector	2030 mm
Overall area	5.055 m ²
Aperture area	2.83 m ²
Absorber surface area	2.455 m ²
Height above roof surface	180 mm
Manifold capacity	3 L
Inlet and Outlet pipe dimensions	22 mm
Weight - empty	114 kg
Mounting	
Working angles	20° - 70°
Operation Data	
Absorber efficiency $\eta_{\alpha A}$	0.771
Aperture efficiency $\eta_{\alpha a}$	0.668
Heat loss coefficient a1 based on aperture area	1.894W/m ² K
Heat loss coefficient a2 based on aperture area	0.0039W/m ² K ²
Peak power performance of absorber area ($G = 1000W/m^2$)	771.39W/m ²
Annual energy collected ($G=1000w/m^2$)	1890Kwh
Minimum working temperature	-35° C
Maximum operating pressure	8 bar
Stagnation temperature	239° C
Heat transfer fluid	Water / Glycol
Flow Rate	
Flow rate	270 L/hr
Minimum	270 L/hr
Maximum	540 L/hr
Material	
Manifold casing	Extruded anodised aluminium
Insulation	Basalt fibre
Frame	Aluminium
Tube	1.6 mm borosilicate glass 3.3
Header Pipe	Copper