

Descriptive Specification

- High zero-loss collector efficiency figure of 85% based on the absorber.
- significantly lower heat loss coefficient of 1.529w/m²K.
- Easy to install frame

System Size	20 Tube Collector	Materials	20 Tube Collector
Gross Area	3.38m ²	Absorber	Aluminium
Aperature area	1.86m ²	Coating	Aluminium Nitrate
Absorber Area	1.61m ²	Absorbance	> 94%
Length of Tube	1.8m	Emissivity	<7%
Dist. Between Tubes/Panels	0.078m	Mounting Frame	Aluminium Nitrate
Weight	85kg	Glass	Borosiliate Glass
Max Operating Pressure	6bar	Mounting Inclination	15°-75°
Recommended Operating Pressure	2-3bar	Inlet Outlet Dimensions	3 ¼ bracket male
Recommended Flow Rate	0.5l/min/m ²	Stagnation Temperature	200.3°C
Fluid Volume in Collector	1.65l	Insulation Material	Mineral Wool + Polyurethane
Rated Heat Output	1.21kW	Heat Transfer Fluid	Glycol Mix
		Efficiency Constants for G=8000W/m ² $\eta_0 = 0.734$ $a_1 = 1.529$ $a_2 = 0.0166$ (W/m ² K)	

Dimensions			
	Length	Width	Diameter
20 Tube	2.01m	1.68m	0.189m

