

DF100

Technical Specification DF100

	DF100 - 2m ²	DF100 - 3m ²
Dimensions		
Absorber Area	2m ²	3m ²
Overall Dimensions	1996 x 1418 x 97mm	1996 x 2127 x 97mm
Width of Manifold	1418mm	2127mm
Length (Tube and Manifold)	1996mm	1996mm
Depth	97mm	97mm
Fluid Volume (In Manifold)	3.8l	5.6l
Inlet and Outlet Dimensions	22mm	22mm
Weight	54.8kg	81.4kg
Mounting		
Recommended Inclination	0-90°	0-90°
Operating Data		
Efficiency	Based on Absorber	Based on Absorber
eta 0	0.83	0.832
k1	1.53 W/m ² K	1.14 W/m ² K
k2	0.0063 W/m ² K ²	0.0144 W/m ² K ²
Test Report	BLG 10606	BLG 10706
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	286°C	286°C
Heat Transfer Fluid	Water/Glycol	Water/Glycol
Materials		
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 ⁻⁸ Bar	Higher than 10 ⁻⁸ Bar
Quality Certification / Solar Keymark	Yes	Yes