



Wunder CLS

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In the Wunder CLS series; 40mm thick 50 kg/m³ rockwool for insulation; aluminum finishing, EPDM rubber and silicone for leak-proof are used. While glazing is done by a 4mm thick low iron tempered glass, 0,12mm thick titanium coated selective surface is offered for the absorber surface.



Wunder CLS 2510
Wunder CLS 2108

Dimensions	1988x1218x90 mm	1218x1041x90 mm
Casing Material	Electrostatic Painted Aluminium Case	Electrostatic Painted Aluminium Case
Weight	44 kg.	37.2 kg.
Sealing Material	EPDM & Silicone & Aluminium Frame	Epdm & Silicone & Aluminium Frame
Gross Area	2.42 m ²	2.07 m ²
Aperture Area	2.24 m ²	1.92 m ²
Absorber Area	2.23 m ²	1.90 m ²
Absorber Material	Selective Coated Cooper	Selective Coated Cooper
Absorber Thickness	0.12 mm	0.12 mm
Absorbtion	%97	%97
Emittance	%3	%3
Heat Carrier Volume	1.27 Liter	1.07 Liter
Welding Method	Ultrasonic Welding	Ultrasonic Welding
Diameter of Absorber Tube	8.0 mm / 10 mm / 12.7 mm	8.0 mm / 10 mm / 12.7 mm
Absorber Tube Wall Thickness	0.45 mm	0.45 mm
Diameter of Header Tube	18 mm / 22 mm / 24 mm	18 mm / 22 mm / 24 mm
Header Tube Wall Thickness	0.70 mm	0.70 mm
Number of Tube	10 mm	9 mm
Tube Pitch (mm)	110 mm	110 mm
Glass Material	Low Iron Tempered Glass	Low Iron Tempered Glass
Transmittance of Glass	%91	%91
Thickness of Glass	4 mm	4 mm
Insulation Material	Rock Wool	Rock Wool
Thermal Conductivity	0.037 W/(mK)	0.037 W/(mK)
Heat Capacity of Wool	0.84 KJ/(kgK)	0.84 KJ/(kgK)
Density of Wool	50 kg/m ³	50 kg/m ³
Thickness of Wool	50 mm	50 mm
Stagnation Temperature at 1000 W/m ² and 30 °C	232 °C	211 °C
Maximum Operation Pressure	10 bar	10 bar
Test Pressure	25 bar	25 bar
Nominal Flow Rate	120 liter/h	105 liter/h
Base Sheathing	Embossed - Finished Aluminium	Embossed - Finished Aluminium
Mounting Mode	Inroof, onto-roof, flat roof	Inroof, onto-roof, flat roof

