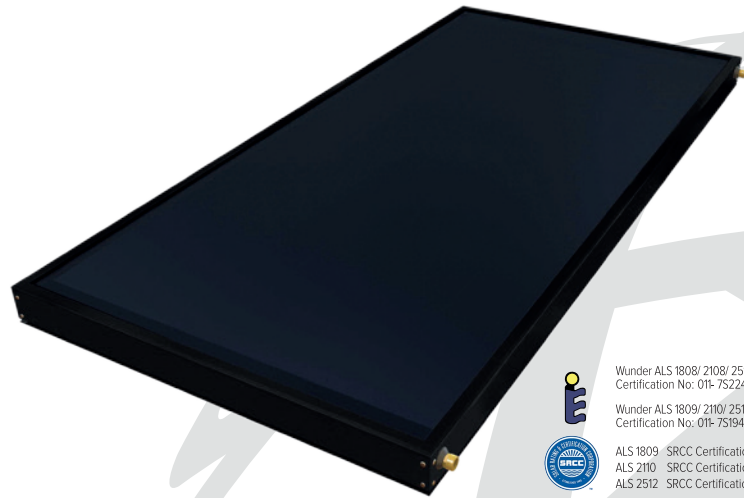
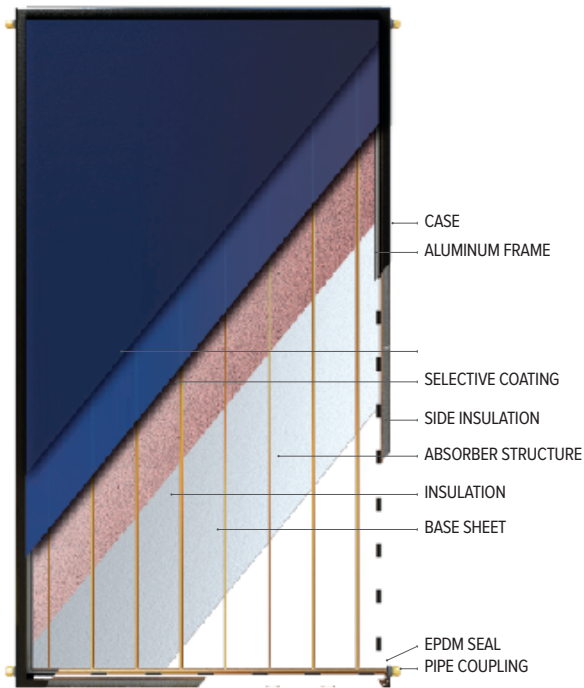




Solar Keymark certified
 Almeco-Tinox highly selective coating
 Rock wool insulation
 Copper pipe
 Low iron tempered glass
 Laser welding
 10 years warranty

WUNDER ALS




 Wunder ALS 1808/ 2108/ 2510
 Certification No: 01- 752248 F
 Wunder ALS 1809/ 2110/ 2512
 Certification No: 01F- 751941 F
 ALS 1809 - SRCC Certification No: 10001863
 ALS 2110 - SRCC Certification No: 10001864
 ALS 2512 - SRCC Certification No: 10001865

TECHNICAL SPECIFICATIONS

		Wunder ALS 3010	Wunder ALS 2710	Wunder ALS .2512	Wunder ALS .2110	Wunder ALS 1809
	PRODUCT CODE	MA-0408	MA-1712	MA-0041	MA-0034	MA-0030
TECHNICAL DATA	DIMENSIONS (mm)	2436x1218x90	2220x1218x90	1988x1218x90	1988x1041x90	1927x927x90
	CASING	Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case
	WEIGHT (kg)	54	48	44	37,2	34
	GROSS AREA (m ²)	2,97	2,70	2,42	2,07	1,79
	APERTURE AREA (m ²)	2,76	2,53	2,24	1,92	1,62
	ABSORBER AREA (m ²)	2,76	2,53	2,23	1,89	1,59
ABSORBER	ABSORBER MATERIAL	Almeco-Tinox Highly Selective Aluminum	Almeco-Tinox Highly Selective Aluminum	Almeco-Tinox Highly Selective Aluminum	Almeco-Tinox Highly Selective Aluminum	Almeco-Tinox Highly Selective Aluminum
	ABSORPTANCE / EMITTANCE	95 / 4	95 / 4	0,95 / 0,04	0,95 / 0,04	0,95 / 0,04
	WELDING METHOD	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding
COPPER TUBES	HEAT CARRIER VOLUME (lt)	1,57	1,4	1,27	1,07	1
	DIAMETER OF ABSORBER TUBE/ HEADER TUBE (mm)	8 / 18	8 / 18	8 / 18	8 / 18	8 / 18
	NUMBER OF TUBES	12	12	10 / 12	9 / 10	8 / 9
GLASS	GLASS MATERIAL	Low Iron Tempered Glass	Low Iron Tempered Glass	Low Iron Tempered Glass	Low Iron Tempered Glass	Low Iron Tempered Glass
	THICKNESS OF GLASS (mm)	4 / 3,2 (Equivalent)	4 / 3,2 (Equivalent)	4 / 3,2 (Equivalent)	4 / 3,2 (Equivalent)	4 / 3,2 (Equivalent)
INSULATION	INSULATION MATERIAL	Rock Wool	Rock Wool	Rock Wool	Rock Wool	Rock Wool
	DENSITY (kg/ m ³) / THICKNESS (mm)	50 / 40	50 / 40	50 / 40	50 / 40	50 / 40
MAXIMUM RATING	STAGNATION TEMPERATURE (°C)	203	203	194,5 / 203	194,5 / 203	194,5 / 203
	MAXIMUM OPERATION PRESSURE (bar)	10	10	10	10	10
	NOMINAL FLOW RATE (lt/ h)	145	130	120	105	100
	BACK SHEETING	Embossed - Finished Aluminum Sheet / Carbon Fibre (Equivalent)	Embossed - Finished Aluminum Sheet / Carbon Fibre (Equivalent)	Embossed - Finished Aluminum Sheet / Carbon Fibre (Equivalent)	Embossed - Finished Aluminum Sheet / Carbon Fibre (Equivalent)	Embossed - Finished Aluminum Sheet / Carbon Fibre (Equivalent)
	MOUNTING TYPE	In roof - On roof - Flat Roof	In roof - On roof - Flat Roof	In roof - On roof - Flat Roof	In roof - On roof - Flat Roof	In roof - On roof - Flat Roof