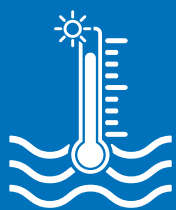




SOLIMPEKS

EN

solimpeks.com



2024





SOLIMPEKS Enerji Paz. Ltd. Şti.
IZMIR / TURKEY



Solimpeks Solarenergie GmbH
HANNOVER / GERMANY

HEADQUARTERS KONYA / TURKEY



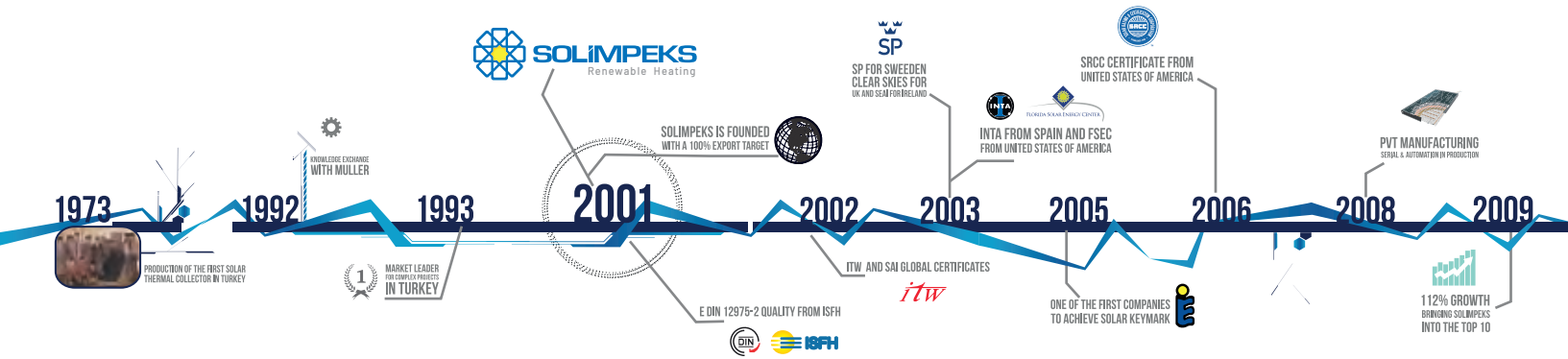
COMPANY

● COMPANY

The origins of Solimpeks date back to 1977. Through R&D and a strong focus on quality, company growth was accelerated and allowed Solimpeks to export in markets all over the world. As a consequence of this expansion Solimpeks now has a reputation as a world leading manufacturer of high-quality renewable heating products almost everywhere under the sun. The company is the world's leading manufacturer of hot water storage tanks, heat pumps, solar water heaters and pv-t hybrid collectors. Solimpeks employs over 300 staff in its locations across Turkey and Germany.



MILESTONES



CERTIFICATES



The "Solarkeymark" denotation, issued by ESTIF and is throughout Europe, has become the most widely accepted certificate for solar thermal products, this has been made obligatory for all goods entering Germany since January 2007 and the favoured certificate to get refund incentive payments EU countries.



The Federal Office of Economics and Export Control (BAFA) is a superior federal authority subordinated to the Federal Ministry of Economics and Technology (BMWi) in Germany. A central task of BAFA in the foreign trade sector is export control. In the energy sector BAFA implements measures to promote a better use of renewable energies, the saving of energy, for the maintenance and extension of the power-heat-linkup and for German coal mining, and participates in crisis-contingency measures in the mineral oil sector.



The German "TÜV" (Technischer Überwachungs Verein) certificate.



SRCC provides authoritative performance ratings, certifications and standards for renewable energy products, with the intention of protecting and providing guidance to consumers, incentive providers, government, and the industry.



IEC (International Electrotechnical Commission) prepares International Standards for systems of photovoltaic conversion of solar energy into electrical energy and for all the elements in the entire photovoltaic energy system.



The "ISFH" (Institute für Solarenergieforschung) certificate issued by the Leibniz University Solar Energy Research Institute.



CSTBat; Worldwide accredited association that promotes the development of France through the culture of quality.



The "ITW" (Institut für Thermodynamik und Wärmetechnik) certification issued by the Thermodynamics and Heating Techniques Institute at Stuttgart University.



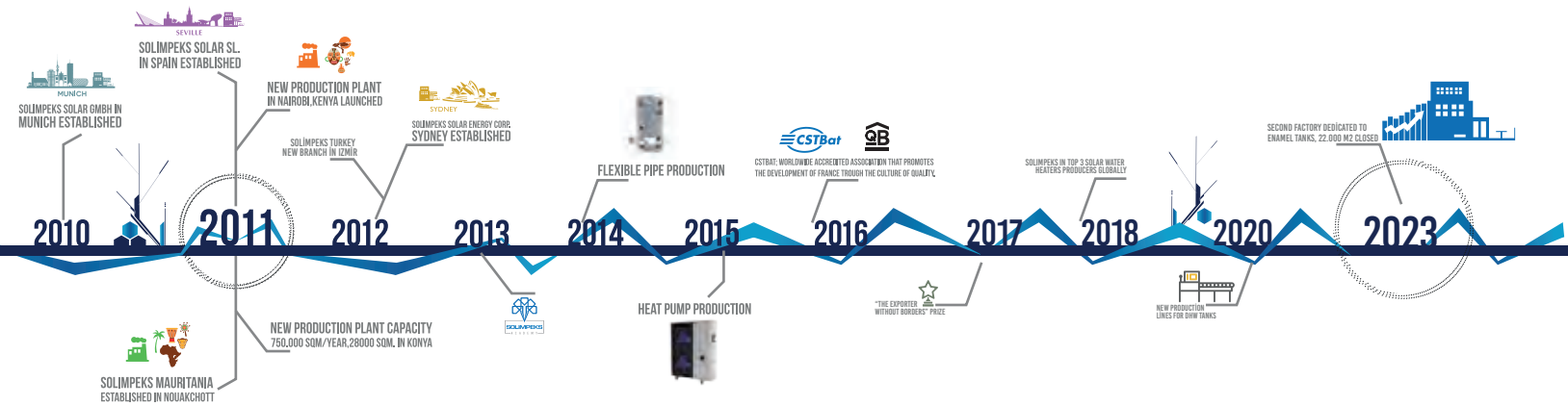
The SEAI (Sustainable Energy Agency of Ireland)



The "CE" (Conformité Européenne) approval certifying health and safety in Europe.



ISO 27001 Information Security Management System certificates; ISO 27001 Information security management system is established by an accredited certification organization to pass through 2 stages of supervision and to prove its continuity.



HYB; states that manufacturing facilities comply to Turkish Standards.



The Turkish Standards Compliance Certificate:
This certification states that the authorized manufacturer's products comply with Turkish Standards.



The "INTA" (Instituto Nacional De Técnica Aeroespacial) award issued by the Spain's International Quality Institute,



Occupational health and safety management system.



The National Renewable Energy Centre is a technology center specialising in applied research, and the development and promotion of renewable energy. It is highly rated and has acknowledged national and international prestige.



The MCS certifies microgeneration technologies used to produce electricity and heat from renewable sources in the UK.



Worldwide accredited association that promotes the development of Italy through the culture of quality.



Eurofins Scientific is an international life sciences company which provides a unique range of analytical testing services to clients across multiple industries



Fraunhofer is Europe's largest application-oriented research organization based in Munich, GERMANY.

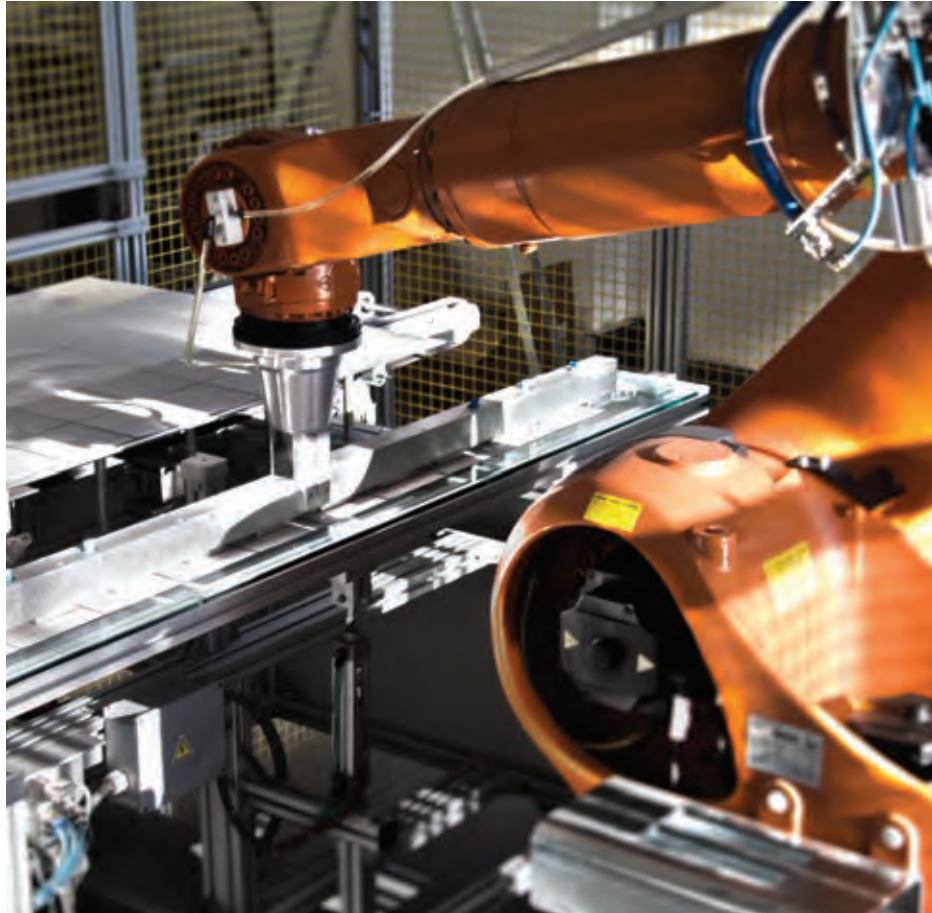


ISO 14001 Environmental Management System (EMS) provides a continuous cycle of planning, implementing, reviewing, and improving the processes and actions that are performed to meet business and environmental goals.

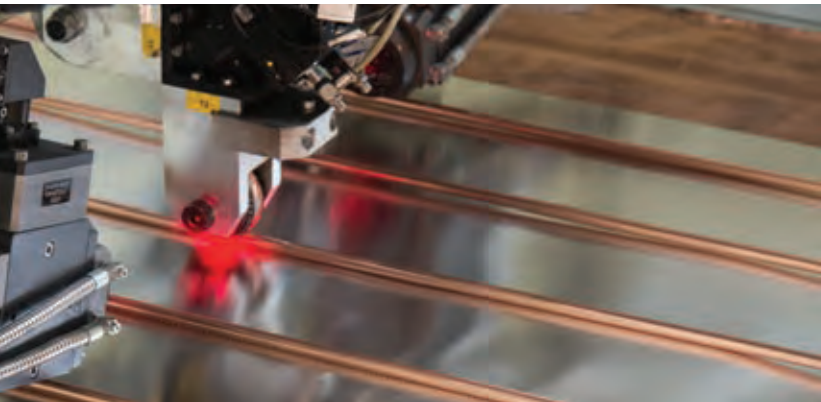


ISO 9001:2015 specifies requirements for a quality management system where an organization, needs to demonstrate its ability to consistently provide product that meets customer and applicable regulatory requirements.

PRODUCTION



Solimpeks products are manufactured using the latest proven industry methods in order to ensure quality and the lowest failure rates. From robotic production lines with a high level of automation to custom-made product-specific machinery; all our products are manufactured in line with industry standards for quality. At the Solimpeks outdoor testing site, the solar products are subjected to extreme climatic and endurance tests. All of our manufactured products are subjected to above the standard requirements for testing, to ensure the products are of the highest quality before leaving our factory.



Quality assurance is our main priority at Solimpeks, only the best products bring long-term success for our customers. Solimpeks are certified in accordance with ISO 9001 and ISO 12001. To make sure that only products of the highest quality leave our plant, testing quality begins with semi-finished materials and follows through to packaged products. During production, each product range passes through our multi-stage quality assurance programme of strict monitoring and quality control. The same holds true for our production processes and technologies.

QUALITY

R&D



Solar power is as ancient as the world we live in, so under the sun nothing is new. However, converting sunlight into more useful forms of energy is a constant research and development process, even today. Solimpeks knows very well the importance of R&D for converting solar power into heat and electricity efficiently. We also understand this process must consider the economics and so we are always looking for ways to engineer more cost effective and efficient products.

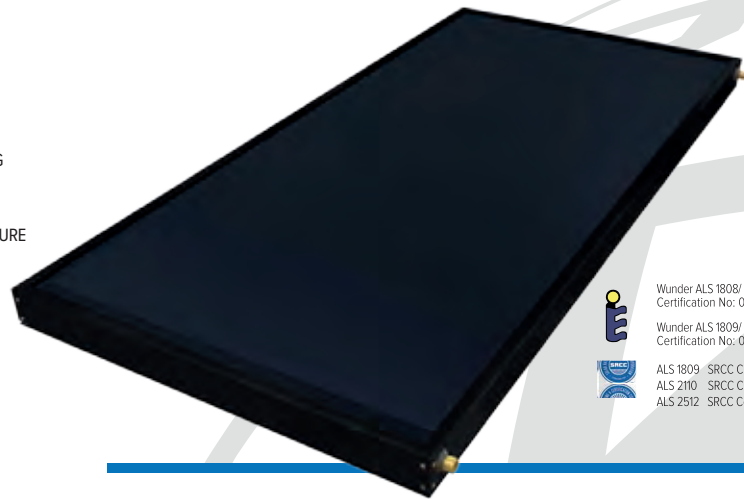
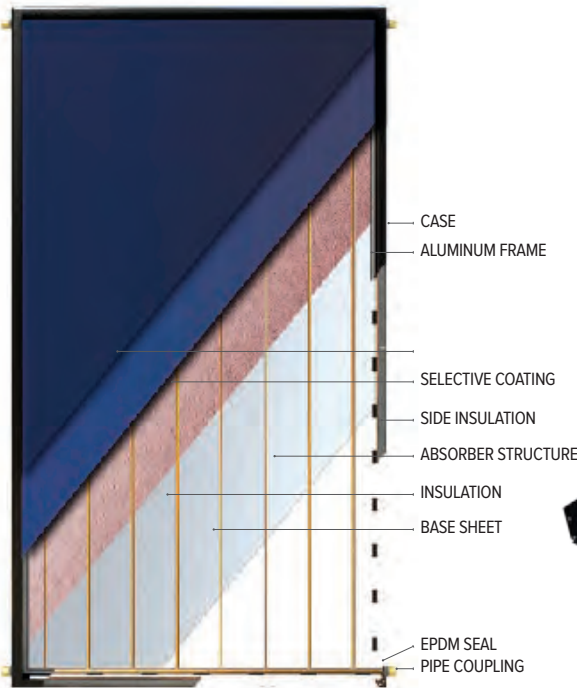
CONTENT

03	COMPANY
05	CERTIFICATES
07	PRODUCTION
08	QUALITY
09	R&D
SOLAR THERMAL COLLECTORS	
11	WUNDER ALS
12	WUNDER ANSG
13	WUNDER ALS MEANDER
14	WUNDER EXCELLENT 2.6
15	WUNDER ALS HORIZONTAL
16	WUNDER ANP
THERMOSIPHON SYSTEMS	
17	TSM
18	TSM ECO
19	TSE
SOLAR TANKS	
20	TSM
21	SOLIKOMBI
23	SOLITANK
25	SOLIBUFFER
27	ENAMEL COATED BOILERS (TSE-V Single Coil)
29	ENAMEL COATED BOILERS (TSE-V Double Coil)
31	ENAMEL COATED BOILERS (TSE-V Single Coil For Heat Pump)
HEAT PUMP	
33	INVERTER MONOBLOCK
35	BCP
36	HEAT PUMP FOR DOMESTIC
SOLAR HOSES	
37	SOLIFLEX
SOLAR THERMAL MOUNTING KITS	
38	MOUNTING KITS
PV-T HYBRID	
39	VOLTHER
40	VOLTHER EXCELL
SOLAR THERMAL ACCESSORIES	
41	ACCESSORIES



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

WUNDER ALS



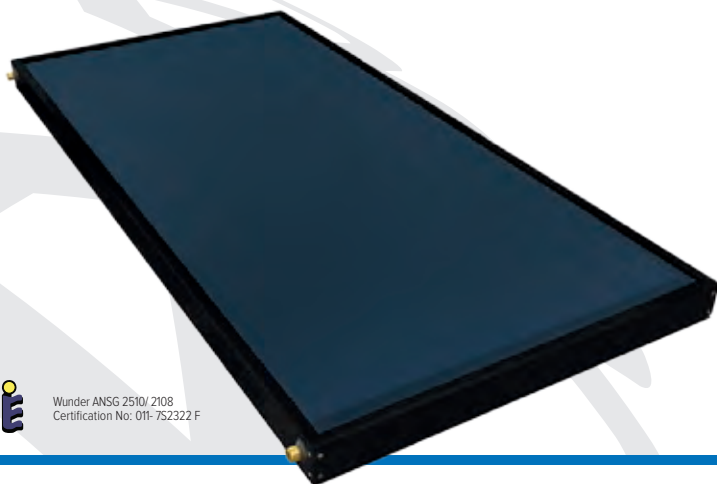
Wunder ALS 1808/ 2108/ 2510
 Certification No: 01- 752248 F
 Wunder ALS 1809/ 2110/ 2512
 Certification No: 01F- 751941 F
 ALS 1809 - SRCC Certification No: 10001863
 ALS 2110 - SRCC Certification No: 10001864
 ALS 2512 - SRCC Certification No: 10001865

TECHNICAL SPECIFICATIONS

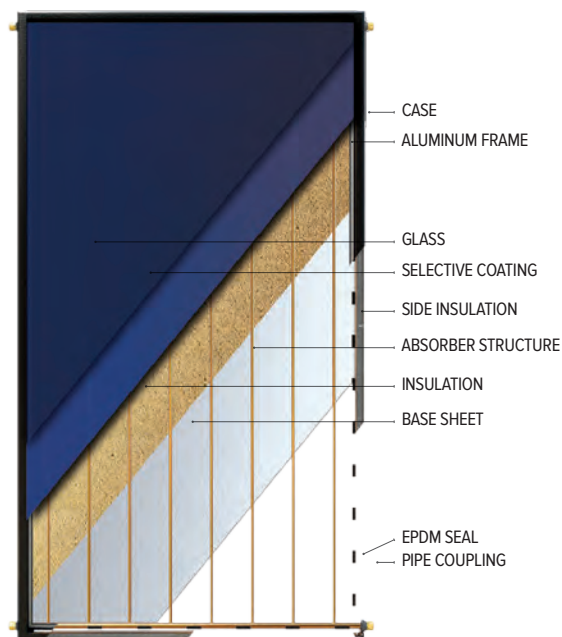
		Wunder ALS 3010	Wunder ALS 2710	Wunder ALS .2512	Wunder ALS .2110	Wunder ALS 1809
TECHNICAL DATA	PRODUCT CODE	MA-0408	MA-1712	MA-0041	MA-0034	MA-0030
	DIMENSIONS (mm)	2436x1218x90	2220x1218x90	1988x1218x90	1988x1041x90	1927x927x90
	CASING	Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum 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	ABSORBER AREA (m ²)	2,76	2,53	2,23	1,89	1,59
	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
COPPER TUBES	WELDING METHOD	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding
	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
GLASS	NUMBER OF TUBES	12	12	10 / 12	9 / 10	8 / 9
	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	

WUNDER ANSG

- Solar Keymark certified
- Almeco-Tinox highly selective aluminum
- Copper pipe
- Glass wool insulation
- Normal iron tempered glass
- Laser welding
- 10 years warranty



Wunder ANSG 2510/ 2108
Certification No: 011-752322 F

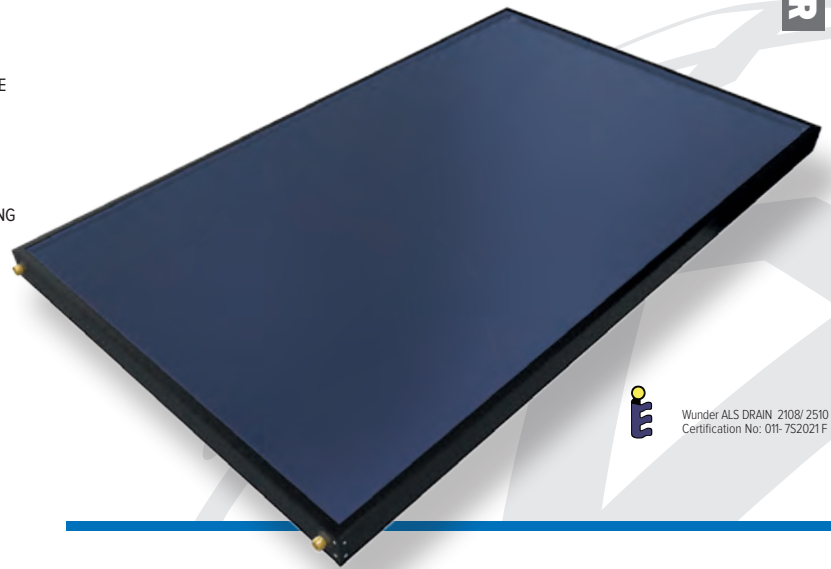
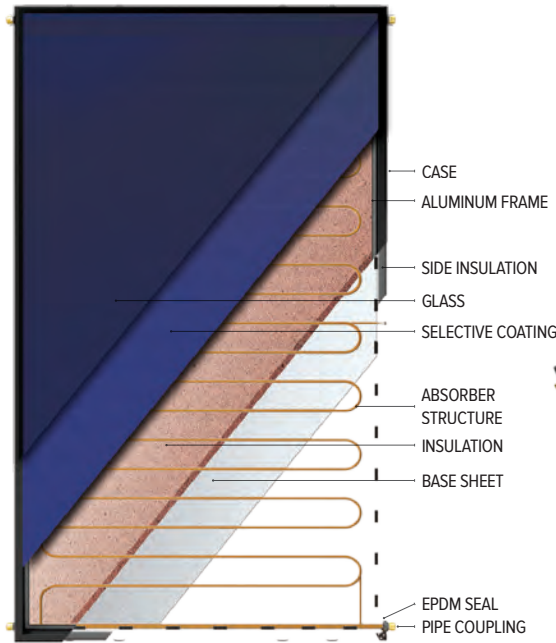


TECHNICAL SPECIFICATIONS

	Wunder ANSG 2510	Wunder ANSG 2108	Wunder ANSG 1808
	PRODUCT CODE	MA- 0053	MA- 0049
TECHNICAL DATA	DIMENSIONS (mm)	1988x1218x90	1988x1041x90
	CASING	Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case
	WEIGHT (kg)	44	37,2
	GROSS AREA (m ²)	2,42	2,07
	APERTURE AREA (m ²)	2,24	1,92
ABSORBER	ABSORBER AREA (m ²)	2,23	1,89
	ABSORBER MATERIAL	Almeco-Tinox Highly Selective Aluminum	Almeco-Tinox Highly Selective Aluminum
	ABSORPTANCE / EMITTANCE	0,95 / 0,03	0,95 / 0,03
COPPER TUBES	WELDING METHOD	Laser Welding	Laser Welding
	HEAT CARRIER VOLUME (lt)	1,27	1,07
	DIAMETER OF ABSORBER TUBE / HEADER TUBE (mm)	8 / 18	8 / 18
GLASS	NUMBER OF TUBES	10	9
	GLASS MATERIAL	Normal Iron Tempered Glass	Normal Iron Tempered Glass
INSULATION	THICKNESS OF GLASS (mm)	4	4
	INSULATION MATERIAL	Glass Wool	Glass Wool
	DENSITY (kg / m ³) / THICKNESS (mm)	14 / 50	14 / 50
MAXIMUM RATING	STAGNATION TEMPERATURE (C)	190	190
	MAXIMUM OPERATION PRESSURE (bar)	10	10
	NOMINAL FLOW RATE (lt/ h)	120	105
	BACK SHEETING	Embossed- Finished Aluminum Sheet	Embossed- Finished Aluminum Sheet
	MOUNTING TYPE	In roof - On roof - Flat Roof	In roof - On roof - Flat Roof

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

WUNDER ALS MEANDER

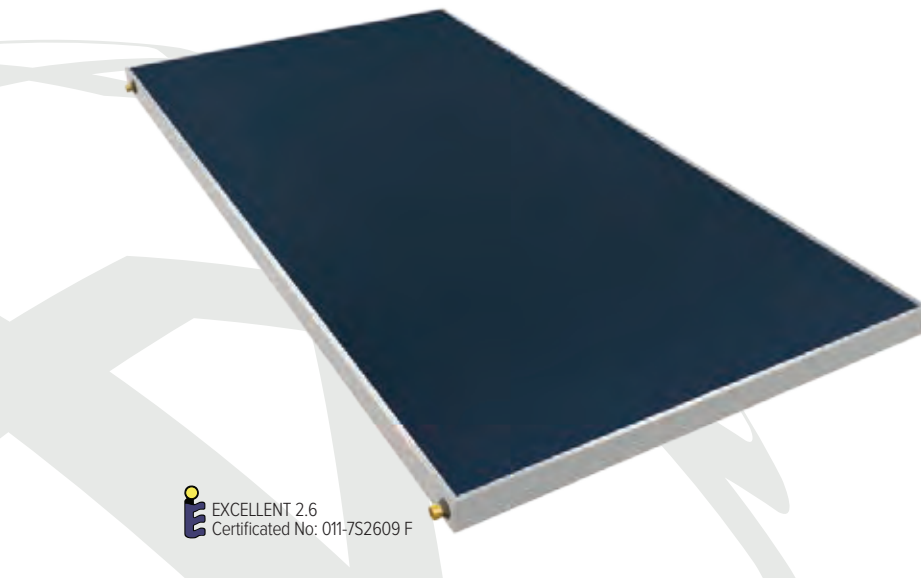


Wunder ALS DRAIN 2108/ 2510
 Certification No. 01f-752021 F

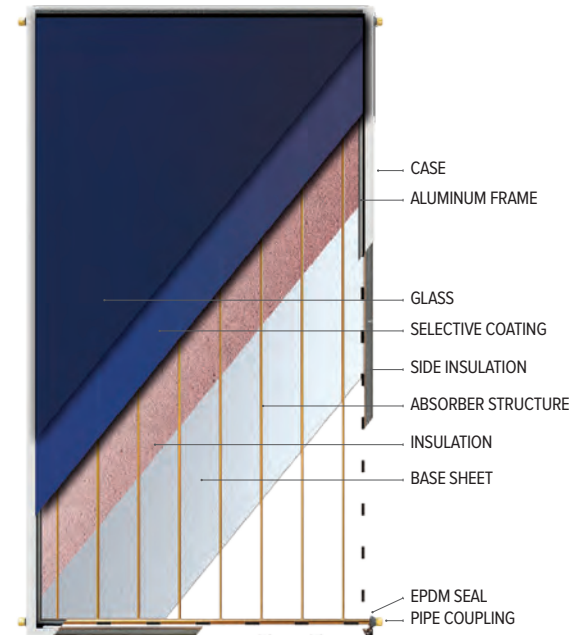
TECHNICAL SPECIFICATIONS

		Wunder ALS 2510 Drain	Wunder ALS 2108 Drain
	PRODUCT CODE	MA- 0044	MA- 0038
TECHNICAL DATA	DIMENSIONS (mm)	1988x1218x90	1988x1041x90
	CASING	Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case
	WEIGHT (kg)	44	37,2
	GROSS AREA (m ²)	2,42	2,07
	APERTURE AREA (m ²)	2,24	1,92
	ABSORBER AREA (m ²)	2,23	1,89
ABSORBER	ABSORBER MATERIAL	Almeco-Tinox Highly Selective Aluminum	Almeco-Tinox Highly Selective Aluminum
	ABSORPTANCE / EMITTANCE	0,95 / 0,03	0,95 / 0,03
	WELDING METHOD	Laser Welding	Laser Welding
COPPER TUBES	HEAT CARRIER VOLUME (lt)	1,27	1,07
	DIAMETER OF ABSORBER TUBE / HEADER TUBE (mm)	10 / 18	10 / 18
GLASS	NUMBER OF TUBES	1	1
	GLASS MATERIAL	Low Iron Tempered Glass	Low Iron Tempered Glass
INSULATION	THICKNESS OF GLASS (mm)	4	4
	INSULATION MATERIAL	Rock Wool	Rock Wool
MAXIMUM RATING	DENSITY (kg/ m ³) / THICKNESS (mm)	50 / 40	50 / 40
	STAGNATION TEMPERATURE (°C)	192	192
	MAXIMUM OPERATION PRESSURE (bar)	10	10
	NOMINAL FLOW RATE (lt/ h)	120	105
	BACK SHEETING	Embossed- Finished Aluminum Sheet	Embossed- Finished Aluminum Sheet
	MOUNTING TYPE	In roof - On roof - Flat Roof	In roof - On roof - Flat Roof

- EXCELLENT 2.6**
- Solar Keymark certified
 - Slim Design
 - Low Heat Loss
 - High performance
 - Compatible with PV Mounting Systems
 - Standard PV Dimensions Suitable for Hybrid Installations



 EXCELLENT 2.6
Certificated No: 011-7S2609 F



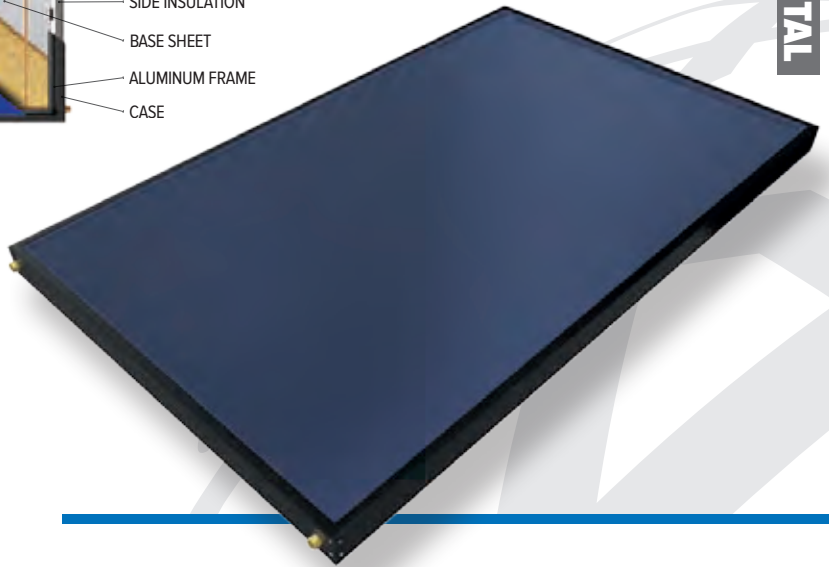
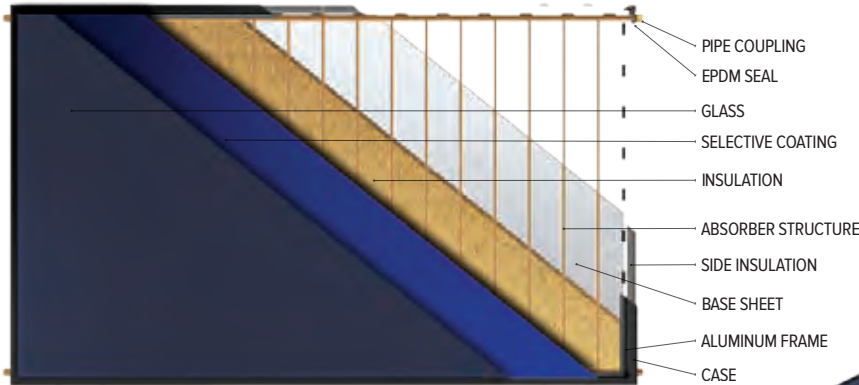
TECHNICAL SPECIFICATIONS

EXCELLENT 2.6

	PRODUCT CODE	MA-1788
TECHNICAL DATA	DIMENSIONS (mm)	2013x1289x60mm
	CASING	Electrostatic Painted Aluminium Case
	WEIGHT (kg)	40,1 kg
	GROSS AREA (m ²)	2,59 m ²
	APERTURE AREA (m ²)	2,36 m ²
ABSORBER	ABSORBER AREA (m ²)	2,46 m ²
	ABSORBER MATERIAL	Almecco-Tinox Highly Selective Coated Aluminum
	ABSORBER THICKNESS	0,5 mm
	ABSORPTANCE / EMITTANCE	0,95 / 0,04
COPPER TUBES	WELDING METHOD	Laser Welding
	HEAT CARRIER VOLUME (lt)	1,6
	DIAMETER OF ABSORBER TUBE / HEADER TUBE (mm)	8 / 18
GLASS	NUMBER OF TUBES	14
	GLASS MATERIAL	Low Iron Tempered Glass 2-AR Coated
INSULATION	THICKNESS OF GLASS (mm)	3,2
	INSULATION MATERIAL	Glass Wool
	DENSITY (kg/ m ³) / THICKNESS (mm) / THERMAL CONDUCTIVITY	95/15 / 0,031 W / (mk)
MAXIMUM RATING	STAGNATION TEMPERATURE (°C)	160 °C
	MAXIMUM OPERATION PRESSURE (bar)	10
	TEST PRESSURE (bar)	15
	NOMINAL FLOW RATE (lt/ h)	135
	BACK SHEETING	Embossed Finished Aluminum Sheet
	MOUNTING TYPE	In roof - On roof - Flat Roof

Almeco-Tinox highly selective aluminum
 Rock wool insulation
 Copper pipe
 Low iron tempered glass
 Laser welding
 Horizontal system
 10 years warranty

WUNDER ALS HORIZONTAL

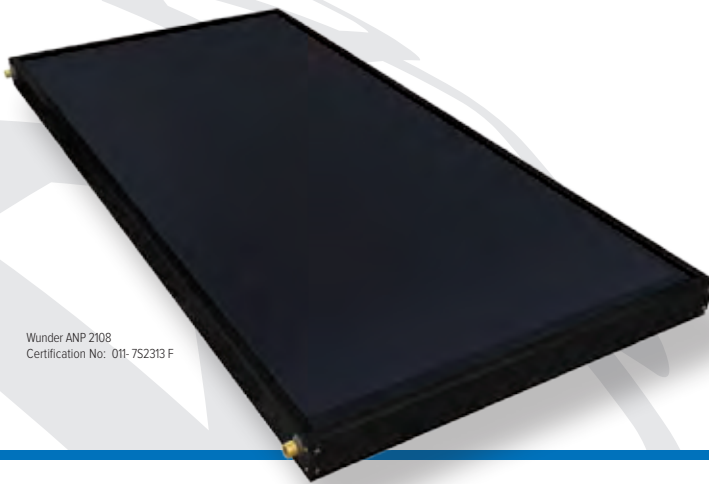


TECHNICAL SPECIFICATIONS

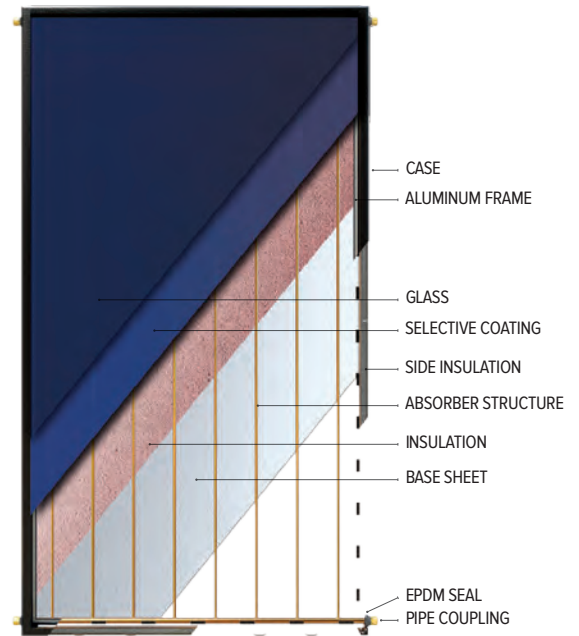
	PRODUCT CODE	MA- 0043	MA- 0036
TECHNICAL DATA	DIMENSIONS (mm)	1218x1988x90	1041x1988x90
	CASING	Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case
	WEIGHT (kg)	44	37,2
	GROSS AREA (m ²)	2,42	2,07
	APERTURE AREA (m ²)	2,24	1,92
	ABSORBER AREA (m ²)	2,23	1,89
ABSORBER	ABSORBER MATERIAL	Almeco-Tinox Highly Selective Aluminum	Almeco-Tinox Highly Selective Aluminum
	ABSORPTANCE / EMITTANCE	0,95 / 0,03	0,95 / 0,03
	WELDING METHOD	Laser Welding	Laser Welding
COPPER TUBES	HEAT CARRIER VOLUME (lt)	1,88	1,6
	DIAMETER OF ABSORBER TUBE / HEADER TUBE (mm)	8 / 18	8 / 18
	NUMBER OF TUBES	17	17
GLASS	GLASS MATERIAL	Low Iron Tempered Glass	Low Iron Tempered Glass
	THICKNESS OF GLASS (mm)	4	4
INSULATION	INSULATION MATERIAL	Rock Wool / Glass Wool	Rock Wool / Glass Wool
	DENSITY (kg/ m ³) / THICKNESS (mm)	50 / 40	50 / 40
	STAGNATION TEMPERATURE (°C)	211	211
MAXIMUM RATING	MAXIMUM OPERATION PRESSURE (bar)	10	10
	NOMINAL FLOW RATE (lt/ h)	120	105
	BACK SHEETING	Embossed- Finished Aluminum Sheet	Embossed- Finished Aluminum Sheet
	MOUNTING TYPE	In roof - On roof - Flat Roof	In roof - On roof - Flat Roof

WUNDER ANP

- Solar Keymark certified
- Black paint coated aluminum
- Copper pipe
- Glass wool insulation
- Normal iron tempered glass
- Laser welding
- 10 years warranty



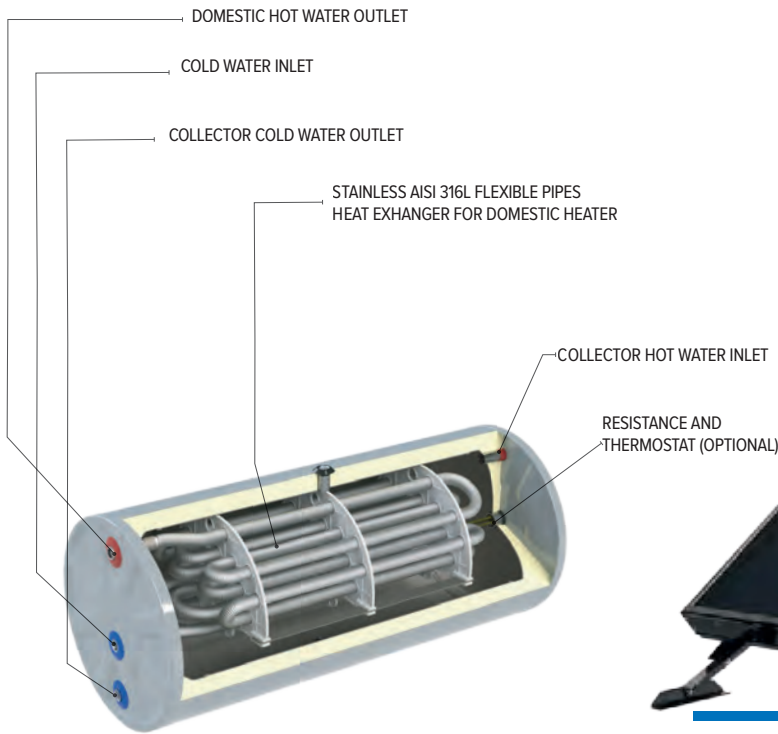
Wunder ANP 2108
Certification No: 011-752313 F



TECHNICAL SPECIFICATIONS

		Wunder ANP 2510	Wunder ANP 2108	Wunder ANP 1808
	PRODUCT CODE	MA- 0023	MA- 0019	MA- 0015
TECHNICAL DATA	DIMENSIONS (mm)	1988x1218x90	1988x1041x90	1927x927x90
	CASING	Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case
	WEIGHT (kg)	44	37,2	34
	GROSS AREA (m ²)	2,42	2,07	1,79
	APERTURE AREA (m ²)	2,24	1,92	1,62
	ABSORBER AREA (m ²)	2,23	1,89	1,59
ABSORBER	ABSORBER MATERIAL	Black Aluminum	Black Aluminum	Black Aluminum
	ABSORPTANCE / EMITTANCE	0,74 / 0,26	0,74 / 0,26	0,74 / 0,26
	WELDING METHOD	Laser Welding	Laser Welding	Laser Welding
COPPER TUBES	HEAT CARRIER VOLUME (lt)	1,27	1,07	1
	DIAMETER OF ABSORBER TUBE / HEADER TUBE (mm)	8 / 18	8 / 18	8 / 18
	NUMBER OF TUBES	10	9	8
GLASS	GLASS MATERIAL	Normal Iron Tempered Glass	Normal Iron Tempered Glass	Normal Iron Tempered Glass
	THICKNESS OF GLASS (mm)	4	4	4
INSULATION	INSULATION MATERIAL	Glass Wool	Glass Wool	Glass Wool
	DENSITY (kg/ m ³) / THICKNESS (mm)	14 / 50	14 / 50	14 / 50
MAXIMUM RATING	STAGNATION TEMPERATURE (°C)	153,6	153,6	153,6
	MAXIMUM OPERATION PRESSURE (bar)	10	10	10
	NOMINAL FLOW RATE (lt/ h)	120	105	100
	BACK SHEETING	Embossed- Finished Aluminum Sheet	Embossed- Finished Aluminum Sheet	Embossed- Finished Aluminum Sheet
	MOUNTING TYPE	In roof - On roof - Flat Roof	In roof - On roof - Flat Roof	In roof - On roof - Flat Roof

Solar Keymark certified
 No need magnesium anode and maintenance free
 Unpressurized tank, pressurized water
 Hidden tank behind panels
 5 years warranty



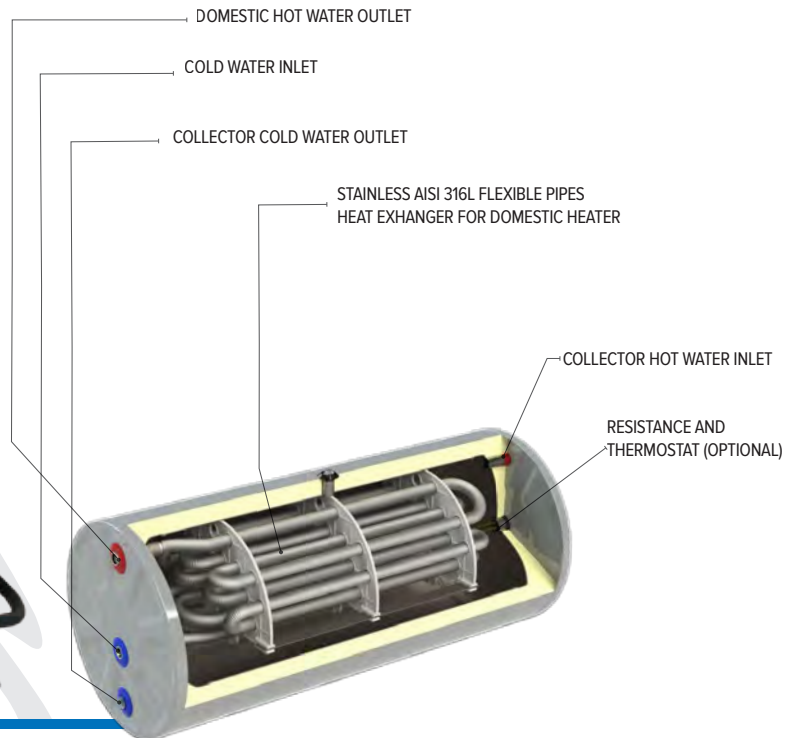
Certification No: 116 BN / 0

TECHNICAL SPECIFICATIONS

	TSM 120	TSM 150	TSM 200	TSM 300
Product Code	ST-0031	ST-0013	ST-0016	ST-0018
Capacity (lt/day)	120	150	200	300
Tank Working Pressure (bar)	0-3	0-3	0-3	0-3
Heat Exchanger Working Pressure (bar)	2-5	2-5	2-5	2-5
Maximum Temperature (°C)	95	95	95	95
Insulation	50 mm/ 40 kg/m ³ / Polyurethane Insulation (CFC Free)	50 mm/ 40 kg/m ³ / Polyurethane Insulation (CFC Free)	50 mm/ 40 kg / m ³ / Polyurethane Insulation (CFC Free)	50 mm/ 40 kg / m ³ / Polyurethane Insulation (CFC Free)
Heat Exchanger	AISI 316 L Stainless Steel	AISI316 L Stainless Steel	AISI316 L Stainless Steel	AISI 316 L Stainless Steel
Boiler Final Dimensions (Length/ Diameter) (mm)	1000 / 540	1115 / 540	1200 / 540	1725 / 540
Outer Cylinder Materials	Electrostatic Powder Painted ST 37 Steel	Electrostatic Powder Painted ST 37 Steel	Electrostatic Powder Painted ST 37 Steel	Electrostatic Powder Painted ST 37 Steel
Outer Sheet	Painted Galvanized Steel Sheet	Painted Galvanized Steel Sheet	Painted Galvanized Steel Sheet	Painted Galvanized Steel Sheet
Boiler Net Weight (kg)	45	45	65	82
	Wunder ALS 1809	Wunder ALS 2110	Wunder ALS 2512	Wunder ALS 2110* (2 pcs)
DIMENSIONS (mm)	1927x927x90	1988x1041x90	1988x1218x90	1988x1041x90
WEIGHT (kg)	34	37,2	44	37,2
GROSS AREA (m ²)	1,79	2,07	2,42	2,07
APERTURE AREA (m ²)	1,62	1,92	2,24	1,92
ABSORBER AREA (m ²)	1,59	1,89	2,23	1,89
ABSORBER MATERIAL	Almeco-Tinox Highly Selective Aluminium	Almeco-Tinox Highly Selective Aluminium	Almeco-Tinox Highly Selective Aluminium	Almeco-Tinox Highly Selective Aluminium
ABSORPTANCE /EMITTANCE	0,95 / 0,04	0,95 / 0,04	0,95 / 0,04	0,95 / 0,04
WELDING METHOD	LaserWelding	Laser Welding	LaserWelding	Laser Welding
GLASS MATERIAL	Low Iron Tempered Glass	Low Iron Tempered Glass	Low Iron Tempered Glass	Low Iron Tempered Glass
INSULATION MATERIAL	Rock Wool	Rock Wool	Rock Wool	Rock Wool
BASE SHEETING	Embossed- Finished Aluminium Sheet & Carbon Fibre (Equivalent)	Embossed- Finished Aluminium Sheet & Carbon Fibre (Equivalent)	Embossed- Finished Aluminium Sheet & Carbon Fibre (Equivalent)	Embossed- Finished Aluminium Sheet & Carbon Fibre (Equivalent)

TSM ECO

Solar Keymark certified
No need for a magnesium anode and maintenance free
Unpressurized tank, pressurized water
5 years warranty



TECHNICAL SPECIFICATIONS

	TSM ECO 120	TSM ECO 150	TSM ECO 200	TSM ECO 300
Product Code	ST-0032	ST- 0052	ST- 0011	ST- 0012
Capacity (lt/day)	120	150	200	300
Tank Working Pressure (bar)	0-3	0-3	0-3	0-3
Heat Exchanger Working Pressure (bar)	2-5	2- 5	2- 5	2- 5
Maximum Temperature (°C)	95	95	95	95
Insulation	50 mm/ 40 kg/m ³ / Polyurethan Insulation (CFC Free)	50 mm/ 40 kg / m ³ / Polyurethan Insulation (CFC Free)	50 mm/ 40 kg / m ³ / Polyurethan Insulation (CFC Free)	50 mm/ 40 kg / m ³ / Polyurethan Insulation (CFC Free)
Heat Exchanger	AISI 316 L Stainless Steel	AISI 316 L Stainless Steel	AISI 316 L Stainless Steel	AISI 316 L Stainless Steel
Boiler Final Dimensions (Length/ Diameter)	1000 / 540	1115 / 540	1200 / 540	1725 / 540
Outer Cylinder Materials	Electrostatic Powder Painted ST 37 Steel	Electrostatic Powder Painted ST 37 Steel	Electrostatic Powder Painted ST 37 Steel	Electrostatic Powder Painted ST 37 Steel
Outer Sheet	Painted Galvanized Steel Sheet	Painted Galvanized Steel Sheet	Painted Galvanized Steel Sheet	Painted Galvanized Steel Sheet
Boiler Net Weight (kg)	45	45	65	82
	Wunder ANP 1808	Wunder ANP 2108	Wunder ANP 2510	Wunder ANP 2108* (2 pcs)
DIMENSIONS (mm)	1927x927x90	1988x1041x90	1988x1218x90	1988x1041x90
WEIGHT(kg)	34	37,2	44	37,2
GROSS AREA (m ²)	1,79	2,07	2,42	2,07
APERTURE AREA (m ²)	1,62	1,92	2,24	1,92
ABSORBER AREA (m ²)	1,59	1,89	2,23	1,89
ABSORBER MATERIAL	Black Aluminum	Black Aluminum	Black Aluminum	Black Aluminum
ABSORPTANCE / EMITTANCE	0,74 / 0,26	0,74 / 0,26	0,74 / 0,26	0,74 / 0,26
WELDING METHOD	Laser Welding	Laser Welding	Laser Welding	Laser Welding
GLASS MATERIAL	Normal Iron Tempered Glass	Normal Iron Tempered Glass	Normal Iron Tempered Glass	Normal Iron Tempered Glass
INSULATION MATERIAL	Glass Wool	Glass Wool	Glass Wool	Glass Wool
BASE SHEETING	Embossed- Finished Aluminum Sheet	Embossed- Finished Aluminum Sheet	Embossed- Finished Aluminum Sheet	Embossed- Finished Aluminum Sheet

5 years warranty
Solar Keymark certified
Titanium Coated Aluminum Surface
Double Jacket Heat Exchanger
High Tech Industrial Enameling
Longlife Sacrificial Anode

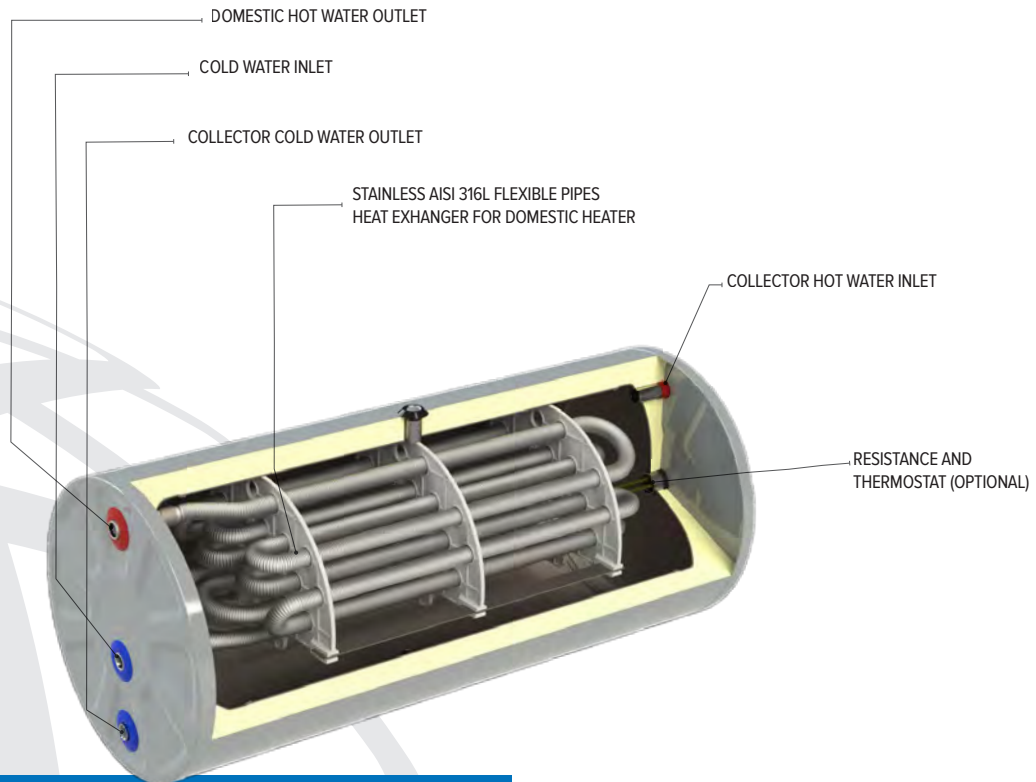
TSE



TECHNICAL SPECIFICATIONS

	TSE 150	TSE 200	TSE 300
Product Code	MA- 1660	MA- 1661	MA- 1662
Capacity (lt/day)	150	200	300
Maximum Tank Operating Pressure (bar)	10	10	10
Maximum Jacket Operating Pressure (bar)	3,5	3,5	3,5
Maximum Temperature (°C)	95	95	95
Insulation	50 mm/ 40 kg/m ³ / Polyurethane Insulation (CFC Free)	50 mm/ 40 kg/m ³ / Polyurethane Insulation (CFC Free)	50 mm/ 40 kg/m ³ / Polyurethane Insulation (CFC Free)
Tank Body Thickness (mm)	3	3	3
Jacket Thickness (mm)	1,5	1,5	1,5
Inner Cylinder Dimensions (mm)	1150x380	1350x380	1475x480
Boiler Inner Dimensions (Length / Diameter)(mm/mm)	1340 / 380	1540 / 380	1715 / 480
	ANSG 2108	ANSG 2510	ANSG 2108 (2 pcs)
Dimensions (mm)	1988x1041x90	1988x1218x90	1988x1041x90
Weight (kg)	37,2	44	37,2
Gross Area (m2)	2,07	2,42	2,07
Aperture Area (m2)	1,92	2,24	1,92
Absorber Area (m2)	1,89	2,23	1,89
Absorber Material	Almeco – Tinox Highly Selective Aluminum	Almeco – Tinox Highly Selective Aluminum	Almeco – Tinox Highly Selective Aluminum
Absorptance \ Emittance	0,95 / 0,04	0,95 / 0,04	0,95 / 0,04
Welding Method	Laser welding	Laser welding	Laser welding
Glass Material	Normal Iron Tempered Glass	Normal Iron Tempered Glass	Normal Iron Tempered Glass
Insulation Material	Glass Wool	Glass Wool	Glass Wool
Base Sheeting	Embossed-Finished Aluminum Sheet	Embossed-Finished Aluminum Sheet	Embossed-Finished Aluminum Sheet

TSM No magnesium anode required and maintenance free
 Unpressurized tank, pressurized water
 5 years warranty



TECHNICAL SPECIFICATIONS

	TSM 120	TSM 150	TSM 200	TSM 300	TSM 400
Product Code	MA- 0005	MA- 0597	MA- 0006	MA- 0007	MA- 0008
Capacity (lt/day)	120	150	200	300	400
Tank Working Pressure (bar)	0-3	0-3	0-3	0-3	0-3
Heat Exchanger Working Pressure (bar)	2- 5	2- 5	2- 5	2- 5	2- 5
Maximum Temperature (C)	95	95	95	95	95
Insulation	50 mm/ 40 kg/m ³ / Polyurethane Insulation (CFC Free)	50 mm/ 40 kg/m ³ / Polyurethane Insulation (CFC Free)	50 mm/ 40 kg/m ³ / Polyurethane Insulation (CFC Free)	50 mm/ 40 kg/m ³ / Polyurethane Insulation (CFC Free)	50 mm/ 40 kg/m ³ / Polyurethane Insulation (CFC Free)
Thermal Loses (W/K)	2	2	2,5	2	2
Heat Exchanger	AISI 316 L Stainless Steel	AISI 316 L Stainless Steel	AISI 316 L Stainless Steel	AISI 316 L Stainless Steel	AISI 316 L Stainless Steel
Inner Cylinder Dimensions (mm)	900x480	900x480	900x480	1340x480	1340x480
Cylinder Inner Dimensions (Length / Diameter) (mm/mm)	900 / 446	1015 / 446	1150 / 446	1675 / 446	2115 / 446
Cylinder Final Dimensions (Length/ Diameter)(mm/mm)	1000 / 540	1115 / 540	1200 / 540	1725 / 540	2215 / 540
Outer Cylinder Materials	Electrostatic Powder Painted ST 37 Steel	Electrostatic Powder Painted ST 37 Steel	Electrostatic Powder Painted ST 37 Steel	Electrostatic Powder Painted ST 37 Steel	Electrostatic Powder Painted ST 37 Steel
Outer Cylinder Thickness (mm)	0,5	0,5	0,5	0,5	0,5
Extra Heater (optional)	2000 W Resistance	2000 W Resistance	2000 W Resistance	2000 W Resistance	2000 W Resistance
Boiler Net Weight (kg)	45	45	65	82	92
Boiler Full Weight (kg)	177	195	235	327	412



SOLIKOMBI

DHW TANK + SOLAR TANK + BUFFER



GENERAL INFORMATION

- ✓ Domestic hot water heat exchanger made of stainless steel AISI 316L provides almost doubled surface area in comparison with rigid pipe applications. Greater surface area means better heat transfer capacity and higher efficiency.
- ✓ It creates a turbulent flow in the stainless steel (AISI 316L) hose, which has a growing impact on the transfer of heat. An assessment of the laminar flow, the temperature stratification is reversed and the flow rate in the middle of the hose is decreased. These outcomes significantly enhance the exchanger performance, with extra than 50% extra performance as compared to the traditional tube.
- ✓ Stainless steel (AISI 316L) Hose corrugations keep moving as a result of constant thermal expansion and compression, this movement prevents the lime and residue formation on the hose surface and provides longer service life.
- ✓ A hygienic storage tank.
- ✓ Perfectly matched with heat pumps.
- ✓ When choosing a solar heat source, this is the most efficient model
- ✓ Polyurethane with high quality insulation.
- ✓ No anode rod required and minimum maintenance.
- ✓ No legionella bacteria



SOLIKOMBI 300 500 800 1000

Product information		C	D	E	E
Energy efficiency class	-	C	D	E	E
Heat loss	W	85	140	195	220
Tank volume	Liters	245	460	850	1030

Basic data		300	500	800	1000
Empty weight	kg	85	120	175	190
Full weight	kg	330	580	1025	1220
Dimensions (height/diameter)	mm	1700x540	1700x750	1730x1010	2030x1010
Maximum working pressure	Bar	6	6	6	6
Max permissible boiler water temperature	C	95	95	95	95
Outer Cylinder Material	-	Electrostatic powder painted ST 37 steel		Leatherette jacket	
Insulating material	-	Polyurethane 50mm 40 kg/m ³		Foam Rubber 80 mm 14kg/m ³	
Tank material	-	HRP 6222/3mm			

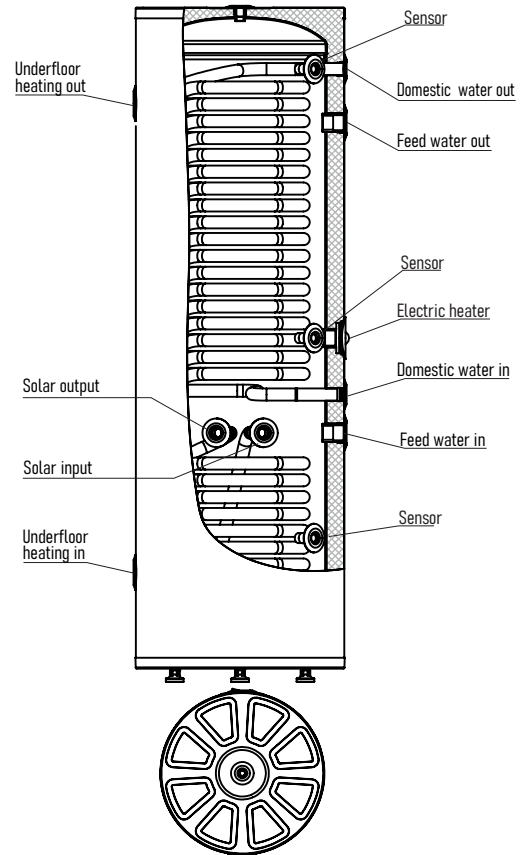
Domestic water exchanger (stainless steel AISI 316L)		300	500	800	1000
Water volume of the heat exchanger	Liters	12	13.5	22.5	27.5
Domestic water heat exchanger surface area	m ²	3.83	4.3	7.23	8.76
Maximum working pressure	Bar	6	6	6	6

Solar heating support (stainless steel AISI 316L)		300	500	800	1000
Water volume of the heat exchanger	Liters	5.7	6.6	6.6	8.2
Heat exchanger surface area	m ²	1.83	2.1	2.1	2.6
Maximum working pressure	Bar	6	6	6	6

Thermal output data		300	500	800	1000
Amount of hot water without reheating at a discharge rate of 8 l/min	Liters	210	420	750	900
Amount of hot water without reheating at a discharge rate of 12 l/min	Liters	180	380	700	820

Pipe Connection		300	500	800	1000
Feed water in/out	inch	1 1/4"	2"	2"	2"
Underfloor heating in/out	inch	1 1/4"	2"	2"	2"
Electric heater	inch	1 1/4"	2"	2"	2"
Domestic water in/out	inch	3/4"	3/4"	3/4"	3/4"
Solar input/output	inch	3/4"	3/4"	3/4"	3/4"
Sensor	inch	1/2"	1/2"	1/2"	1/2"

*Solimpeks reserves the right to make changes to this table at any time.



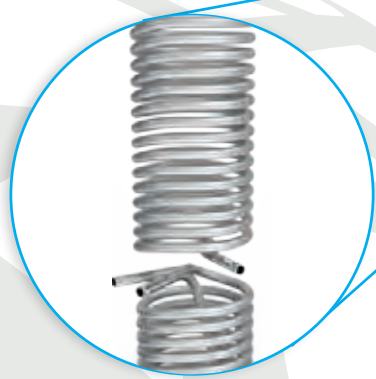
This picture belongs to solikombi 300.

Stainless steel (AISI 316L) hose is suitable for drinking water application and highly resistant to corrosion.

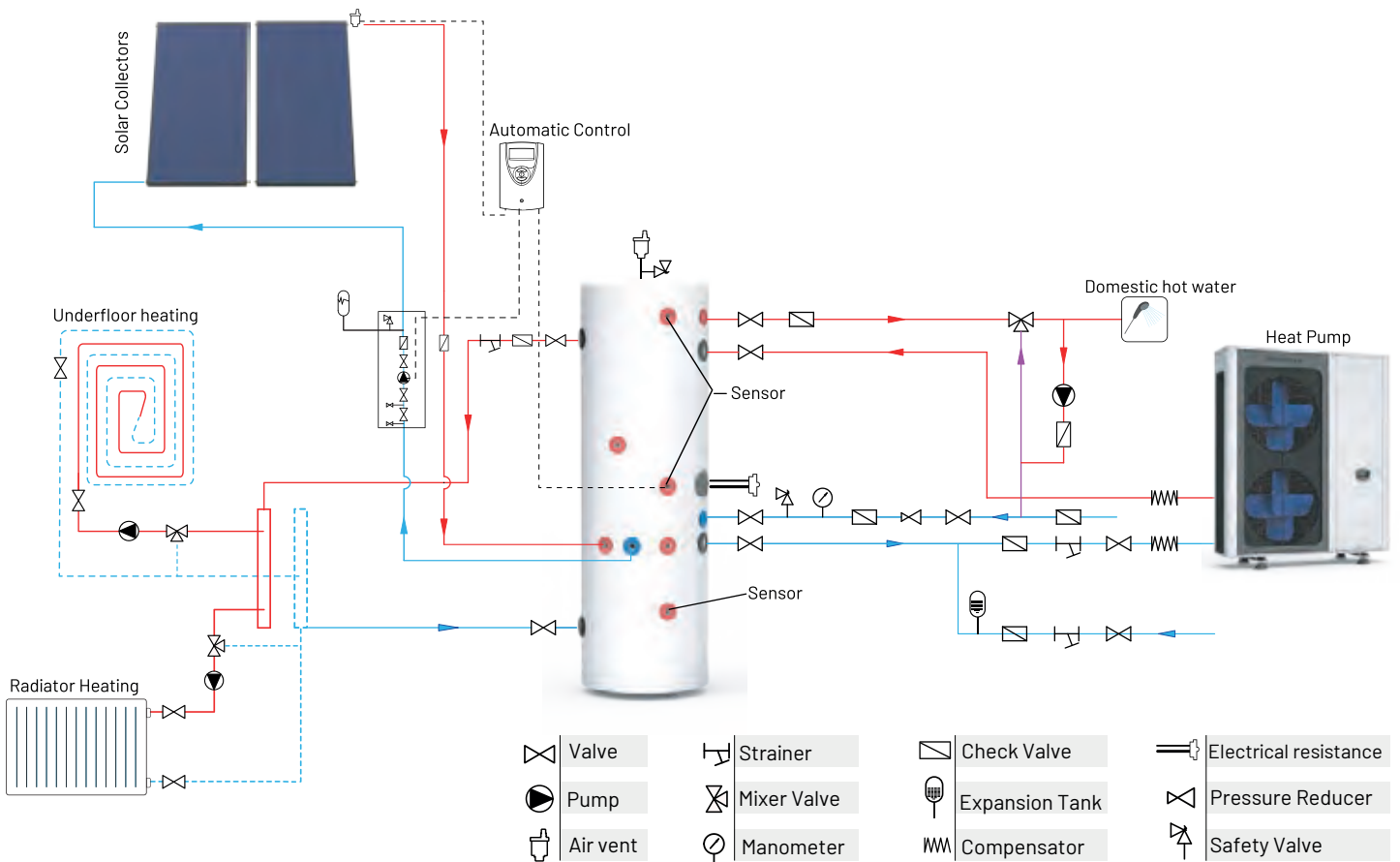
Larger surface area, better heat transfer capacity and higher efficiency

More than 50% extra performance compared to traditional pipe

Double flexible pipe



SCHEMATIC DIAGRAM OF INSTALLATION





SOLITANK

DHW TANK + BUFFER



GENERAL INFORMATION

- ✓ Domestic hot water heat exchanger made of stainless steel AISI 316L provides almost doubled surface area in comparison with rigid pipe applications. Greater surface area means better heat transfer capacity and higher efficiency.
- ✓ It creates a turbulent flow in the stainless steel (AISI 316L) hose, which has a growing impact on the transfer of heat. An assessment of the laminar flow, the temperature stratification is reversed and the flow rate in the the middle of the hose is decreased. These outcomes significantly enhance the exchanger performance, with extra than 50% extra performance as compared to the traditional tube.
- ✓ Stainless steel (AISI 316L) hose corrugations keep moving as a result of constant thermal expansion and compression, this movement prevents the lime and residue formation on the hose surface and provides longer service life.
- ✓ A hygienic storage tank.
- ✓ Perfectly matched with heat pumps.
- ✓ When choosing a non-solar heat source, this is the most efficient model.
- ✓ Polyurethane with high quality insulation.
- ✓ No anode rod required and minimum maintenance.
- ✓ No legionella bacteria



SOLITANK	200	300	500	800	1000
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Product information						
Energy efficiency class	-	C	C	D	E	E
Heat loss	W	74	85	140	195	220
Tank volume	Liters	170	245	460	850	1030
Basic data						
Empty weight	kg	65	85	120	165	190
Full weight	kg	235	330	580	1015	1220
Dimensions (height/diameter)	mm	1200x540	1700x540	1700x750	1850x1010	2130
Max permissible boiler water temperature	C	130	130	130	130	130
Maximum working pressure	Bar	6	6	6	6	6
Outer Cylinder Material	-	Electrostatic powder painted ST 37 steel			Leatherette jacket	
Insulating material	-	Polyurethane 50mm 40 kg/m³			Foam Rubber 80 mm 14kg/m³	
Tank material	-	HRP 6222/3mm				

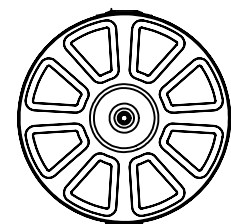
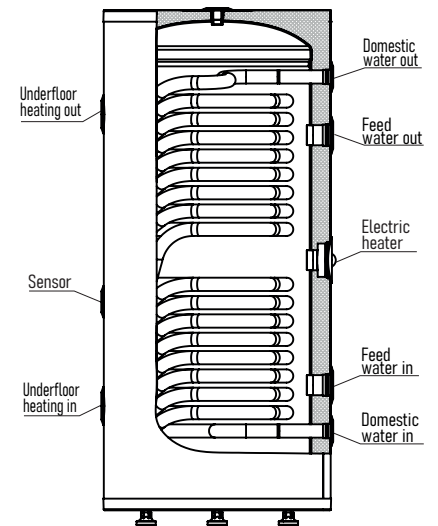
Domestic water exchanger (stainless steel AISI 316L)						
Water volume of the heat exchanger	Liters	12	12	13,5	22,5	27,5
Domestic water heat exchanger surface area	m²	3.83	3.83	4.3	7.23	8.76
Maximum working pressure	Bar	6	6	6	6	6

Solar heating support (stainless steel AISI 316L)						
Water volume of the heat exchanger	Liters					
Heat exchanger surface area	m²					
Maximum working pressure	Bar					

Thermal output data						
Amount of hot water without reheating at a discharge rate of 8 l/min	Liters	140	210	420	750	900
Amount of hot water without reheating at a discharge rate of 12 l/min	Liters	120	180	380	700	820

Pipe connection						
Feed water in/out	inch	1 1/4"	1 1/4"	2"	2"	2"
Underfloor heating in/out	inch	1 1/4"	1 1/4"	2"	2"	2"
Electric heater	inch	1 1/4"	1 1/4"	2"	2"	2"
Domestic water in/out	inch	3/4"	3/4"	3/4"	3/4"	3/4"
Sensor	inch	1/2"	1/2"	1/2"	1/2"	1/2"

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This picture belongs to solitank 200.

Stainless steel (AISI 316L) hose is suitable for drinking water application and highly resistant to corrosion.

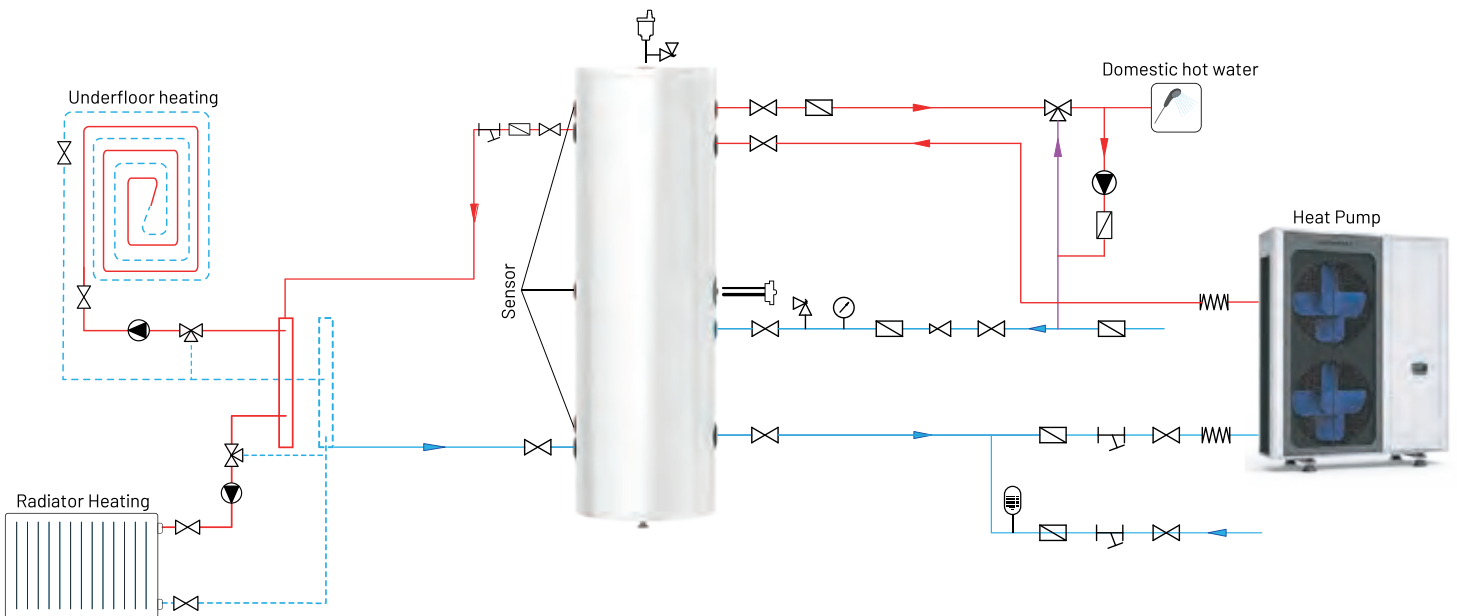
Larger surface area, better heat transfer capacity and higher efficiency













More than 50% extra performance compared to traditional pipe

Single flexible pipe



SCHEMATIC DIAGRAM OF INSTALLATION



	Valve		Strainer		Check Valve		Electrical resistance
	Pump		Mixer Valve		Expansion Tank		Pressure Reducer
	Air vent		Manometer		Compensator		Safety Valve



SOLIBUFFER

BUFFER



GENERAL INFORMATION

- ✓ Perfectly matched with heat pumps.
- ✓ When choosing a non-solar heat source, this is the most efficient model.
- ✓ Polyurethane with high quality insulation.
- ✓ No anode rod required.
- ✓ Minimum maintenance.
- ✓ Easy installation due to compact design.



SOLIBUFFER

50 100 200 300 500 800 1000

Product information

Energy efficiency class	-	B	B	B	C	D	E	E
Heat loss	W	38	45	55	85	140	195	220
Tank volume	Liters	50	100	170	245	460	850	1030

Basic data

Empty weight	kg	15	50	60	80	115	140	160
Full weight	kg	65	150	230	325	575	990	1190
Dimensions (height/diameter)	mm	590x450	750x540	1200x540	1725x540	1700x750	185x1010	2130x1010
Maximum working pressure	Bar	6	6	6	6	6	6	6
Max permissible boiler water temperature	C	130	130	130	130	130	130	130
Outer Cylinder Material	-	Electrostatic powder painted ST 37 steel					Leatherette jacket	
Insulating material	-	PU 25mm	Polyurethane 50 mm 40 kg/m ³				Foam Rubber 80 mm 14kg/m ³	
Tank material	-	HRP 6222/2mm	HRP 6222/3mm					

Domestic water exchanger (stainless steel AISI 316L)

Water volume of the heat exchanger	Liters							
Domestic water heat exchanger surface area	m ²							
Maximum working pressure	Bar							

Solar heating support (stainless steel AISI 316L)

Water volume of the heat exchanger	Liters							
Heat exchanger surface area	m ²							
Maximum working pressure	Bar							

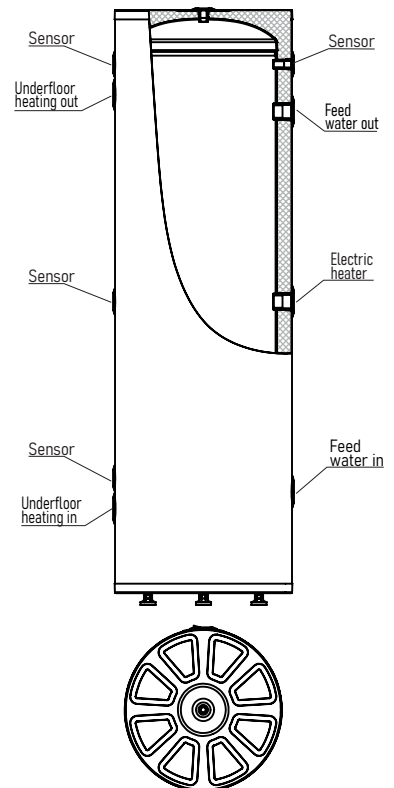
Thermal output data

Amount of hot water without reheating at a discharge rate of 8 l/min	Litres							
Amount of hot water without reheating at a discharge rate of 12 l/min	Litres							

Pipe connection

Feed water in/out	inch		1 1/4"	1 1/4"	1 1/4"	2"	2"	2"
Underfloor heating in/out	inch		1 1/4"	1 1/4"	1 1/4"	2"	2"	2"
Electric heater	inch		1 1/4"	1 1/4"	1 1/4"	2"	2"	2"
Sensor	inch		1/2"	1/2"	1/2"	1/2"	1/2"	1/2"

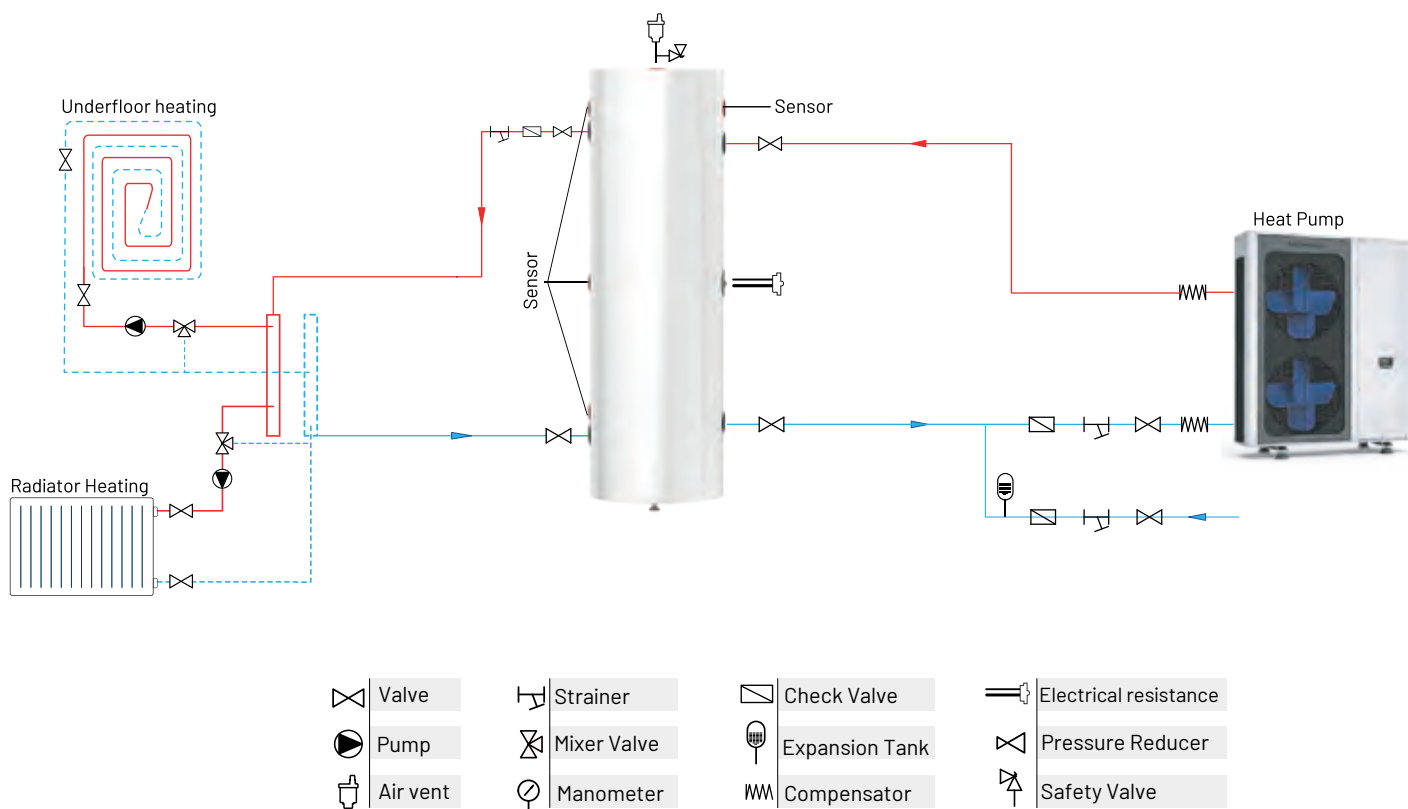
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This picture belongs to solibuffer 300.



SCHEMATIC DIAGRAM OF INSTALLATION





ENAMEL COATED BOILERS

TSE-V Single Coil



GENERAL INFORMATION

- ✓ All surfaces in contact with clean water are hygienic and smooth, which does not allow bacterial growth.
- ✓ It is used for the preparation and storage of hot water together with solar collectors and heat sources.
- ✓ The inner surfaces of the boiler are advanced technology enamel coating.
- ✓ 200-400 µm enamel thickness.
- ✓ Produces fast hot water thanks to the expanded coil.
- ✓ Polyurethane with high quality insulation.



TSE-V	160	200	300	500
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Basic data

Empty weight	kg	71	86	99	149
Full weight	kg	231	286	399	649
Dimensions (height/diameter)	mm	1135x580	1340x580	1860x580	1845x740
Maximum working pressure	Bar	10	10	10	10
Max permissible boiler water temperature	C	95	95	95	95
Tank material	-	Enamel coated steel			
Outer Cylinder Material	-	Blueshell polyethylene coating			
Insulating material	-	Polyurethane 50mm 42 kg/m ³			

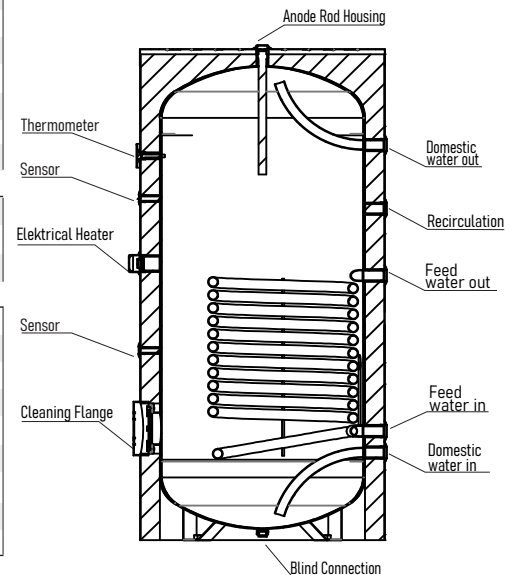
Heat source exchanger

Water volume of the heat exchanger	Liters	5.6	8.1	8.1	13
Heat exchanger surface area	m ²	0.93	1.33	1.33	2.13
Maximum working pressure	Bar	10	10	10	10

Pipe Connection

Domestic water in/out	inch	3/4"	3/4"	3/4"	1"
Feed water in/out	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Cleaning Flange	inch	DN 100	DN 100	DN 100	DN 100
Electric heater	inch	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Anode rod	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Recirculation	inch	3/4"	3/4"	3/4"	1"
Sensor	inch	1/2"	1/2"	1/2"	1/2"
Thermometer	inch	1/2"	1/2"	1/2"	1/2"
Blind Connection	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"

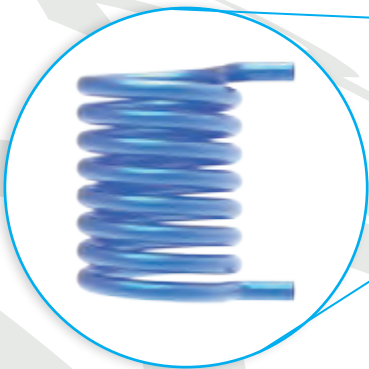
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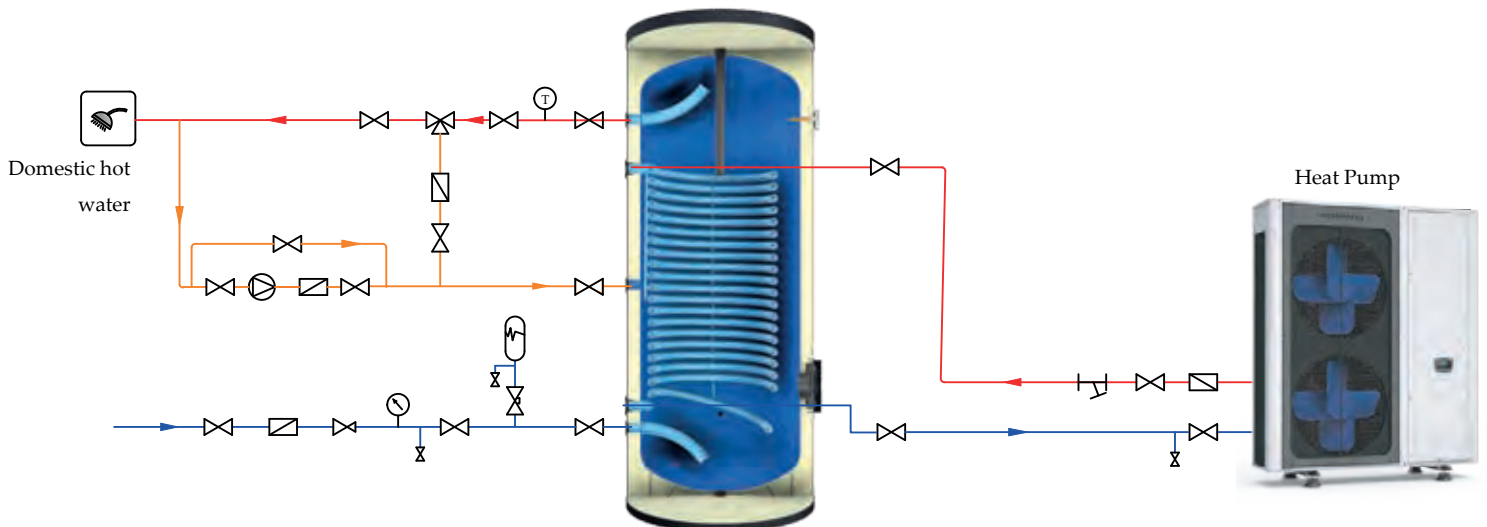
200-400 µm enamel thickness.

Expanded serpentine surface area.

Single Coil.



SCHEMATIC DIAGRAM OF INSTALLATION



- | | | | | |
|-------------|--------------------|------------|---------------|------------------|
| : Valve | : Check Valve | : Strainer | : Thermometer | : Locking Valve |
| : Manometer | : Pressure Reducer | : Pump | : Mixer Valve | : Expansion Tank |



ENAMEL COATED BOILERS

TSE-V Double Coil



GENERAL INFORMATION

- ✓ The inner surfaces of the boiler are advanced technology enamel coating.
- ✓ 200-400 µm enamel thickness.
- ✓ All surfaces in contact with clean water are hygienic and smooth, which does not allow bacterial growth.
- ✓ It is used for the preparation and storage of hot water together with solar collectors and heat sources.
- ✓ Produces fast hot water thanks to the expanded coil.
- ✓ Polyurethane with high quality insulation.



TSE-V D 160 200 300 500

Basic data

Empty weight	kg	69	80	88	141
Full weight	kg	236	283	375	650
Dimensions (height/diameter)	mm	1135*580	1340*580	1860*580	1845*740
Maximum working pressure	Bar	6	6	6	6
Max permissible boiler water temperature	°C	95	95	95	95
Tank material	-	Enamel coated on low carbon steel			
Outer Cylinder Material	-	Blueshell polyethylene coating			
Insulating material	-	Polyurethane 50mm 40kg/m³			

1.Heat source exchanger

Water volume of the heat exchanger	Liters	4,1	4,5	5	6,1
Heat exchanger surface area	m²	0,5	0,63	0,63	1,29
Maximum working pressure	Bar	10	10	10	10

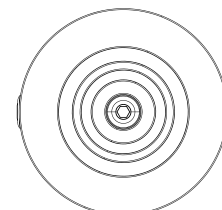
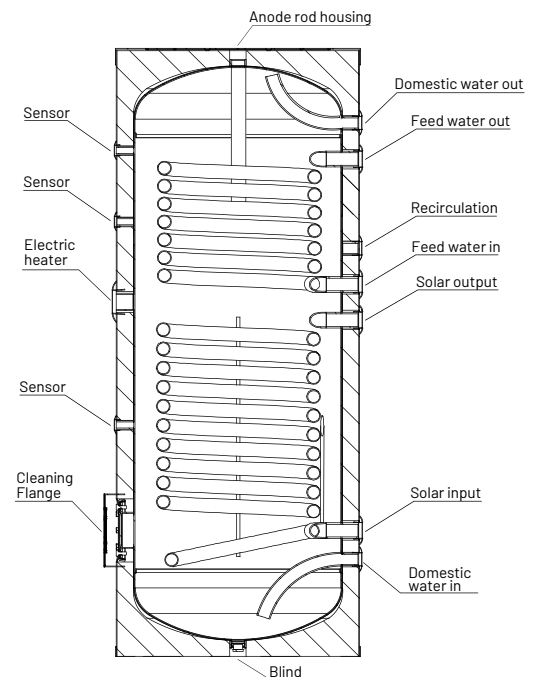
2.Heat source exchanger

Water volume of the heat exchanger	Liters	5,1	5,5	6,4	10,8
Heat exchanger surface area	m²	0,64	0,74	1,08	1,98
Maximum working pressure	Bar	10	10	10	10

Pipe Connection

Domestic water in/out	inch	3/4"	3/4"	3/4"	1"
Feed water in/out	inch	3/4"	3/4"	3/4"	3/4"
Cleaning Flange	inch	DN 100	DN 100	DN 100	DN 100
Electric heater	inch	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Anode rod	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Sensor	inch	1/2"	1/2"	1/2"	1/2"

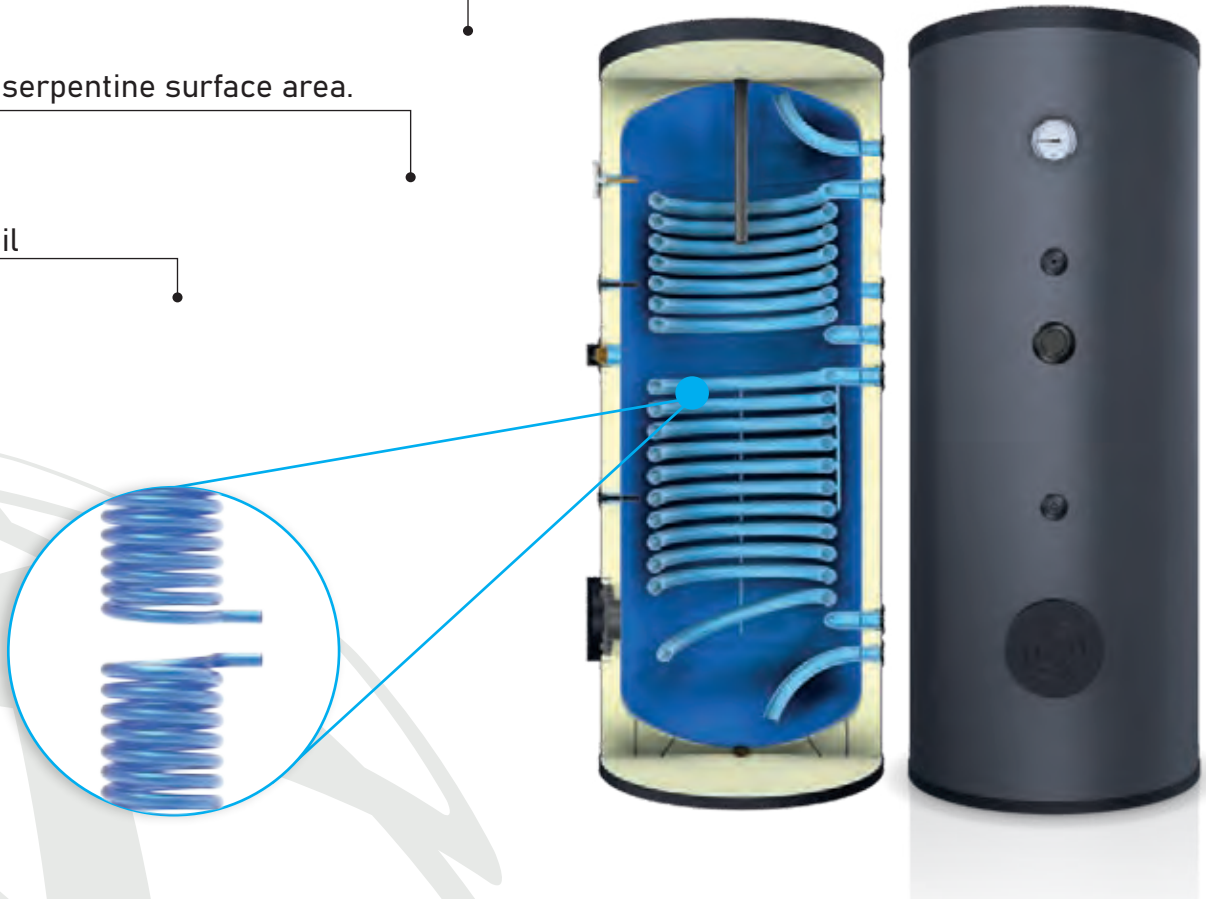
*Solimpeks reserves the right to make changes to this table at any time.



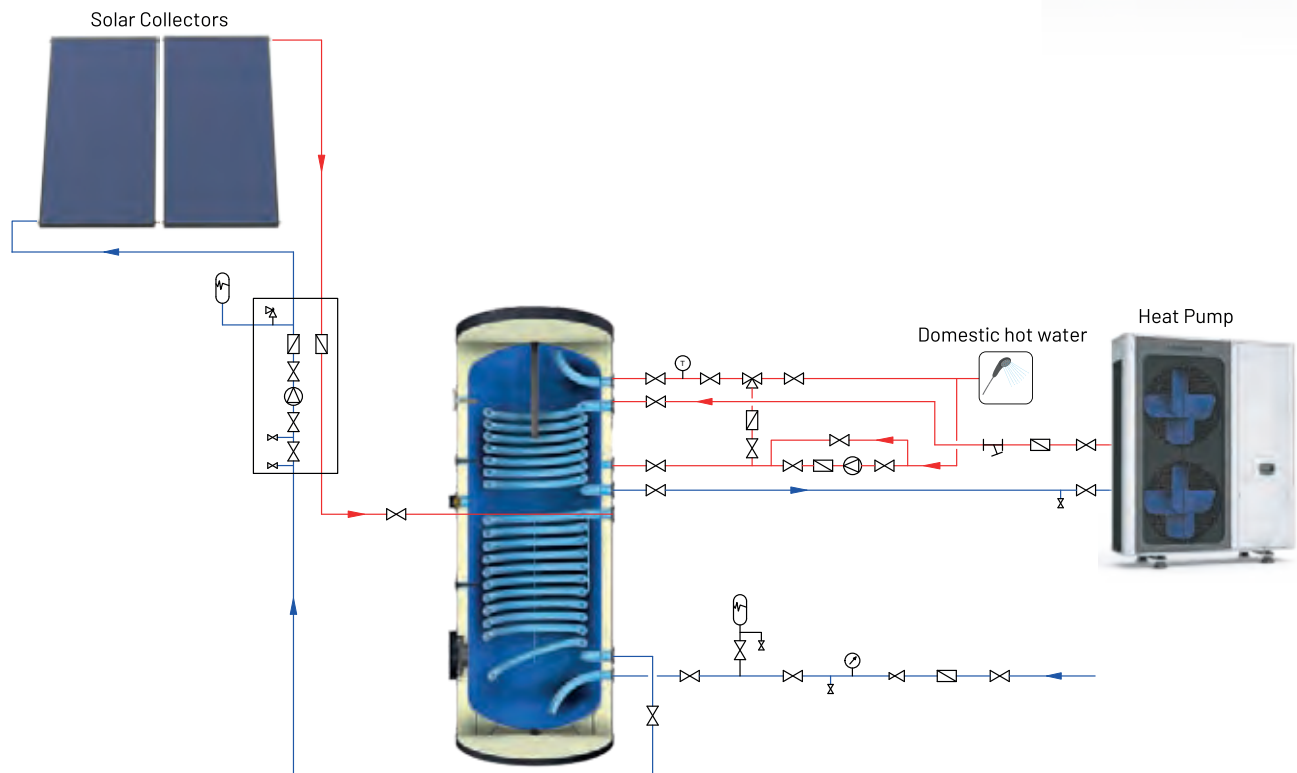
200-400 μm enamel thickness.













Expanded serpentine surface area.

Double Coil



SCHEMATIC DIAGRAM OF INSTALLATION



- | | | | | | |
|---|---|---|--|---|--|
|  Valve |  Strainer |  Manometer |  Check Valve |  Electrical resistance |  Safety Valve |
|  Pump |  Mixer Valve |  Air vent |  Expansion Tank |  Pressure Reducer |  Compensator |



ENAMEL COATED BOILERS

Single Coil For Heat Pump



GENERAL INFORMATION

- ✓ Expanded serpentine surface area, designed for heat pumps.
- ✓ The inner surfaces of the boiler are advanced technology enamel coating.
- ✓ 200-400 µm enamel thickness.
- ✓ All surfaces in contact with clean water are hygienic and smooth, which does not allow bacterial growth.
- ✓ Produces fast hot water thanks to the expanded coil.
- ✓ Polyurethane with high quality insulation.



200

300

Product information

Energy efficiency class	-	B	C
Heat loss	W	57.3	86.4
Tank volume	Liters	183	259

Basic data

Empty weight	kg	105	133
Full weight	kg	304	415
Dimensions (height/diameter)	mm	1340x580	1220x700
Maximum working pressure	Bar	10	10
Max permissible boiler water temperature	C	95	95
Tank material	-	Enamel coated steel	
Outer Cylinder Material	-	Blueshell polyethylene coating	
Insulating material	-	Polyurethane 50mm 40 kg/m³	

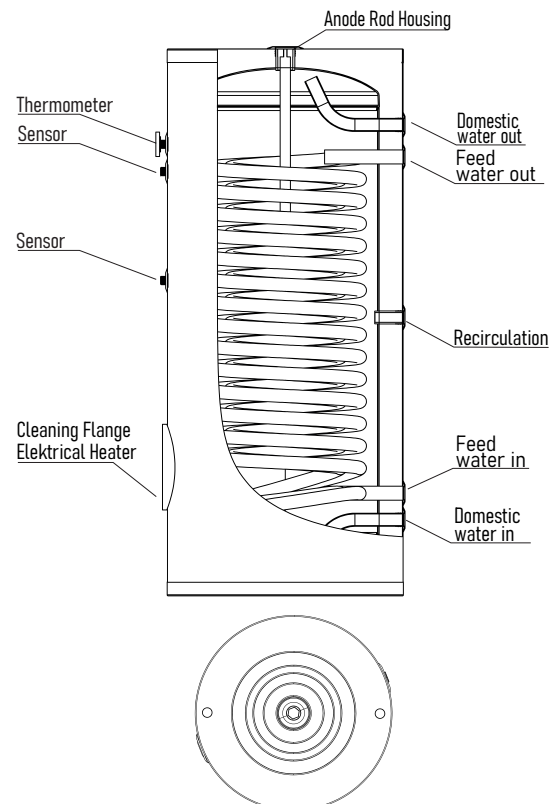
Heat source exchanger

Water volume of the heat exchanger	Liters	15.5	22.7
Heat exchanger surface area	m²	2.53	3.71
Maximum working pressure	Bar	10	10

Pipe Connection

Domestic water in/out	inch	3/4"	1"
Feed water in/out	inch	1 1/4"	1 1/4"
Cleaning Flange	inch	DN 100	DN 100
Electric heater	inch	1 1/2"	1 1/2"
Anode rod	inch	1 1/4"	1 1/4"
Recirculation	inch	3/4"	1"
Sensor	inch	1/2"	1/2"
Thermometer	inch	1/2"	1/2"

*Solimpeks reserves the right to make changes to this table at any time.



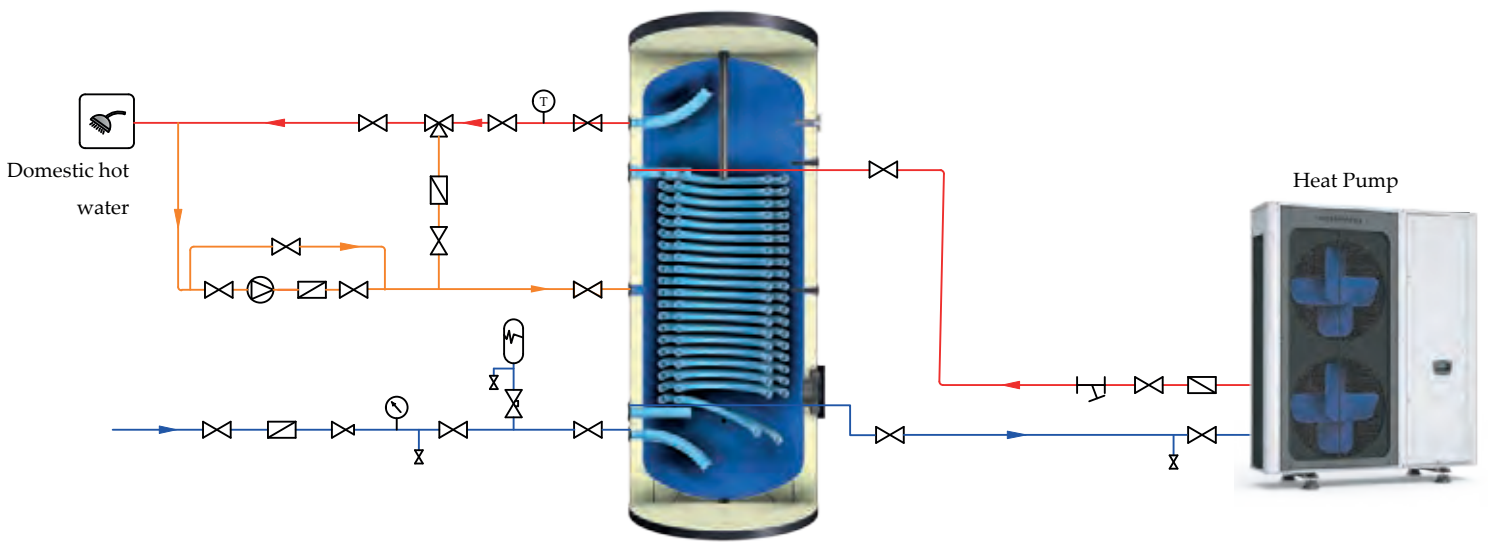
200-400 µm enamel thickness.

Expanded serpentine surface area.

Single Coil.



SCHEMATIC DIAGRAM OF INSTALLATION



- ⊗ : Valve
- ⊠ : Check Valve
- ⊥ : Strainer
- ⊕ : Termometer
- ⊞ : Locking Valve
- ⊙ : Manometer
- ⊞ : Pressure Reducer
- ⊚ : Pump
- ⊞ : Mixer Valve
- ⊞ : Expansion Tank

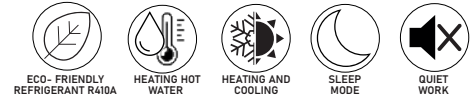


INVERTER MONOBLOCK HEAT PUMP



GENERAL INFORMATION

- ✓ Solimpeks Heat Pumps, which are mounted outdoors with a monoblock structure in which all equipments are gathered in a single body, save space for the user indoors and offer special connection options with a wide range of accessories in line with the demands and installation type.
- ✓ With inverter technology, our product allows you to control your energy consumption and becomes one of the important parts of your home.
- ✓ With its efficient control system, adjusts the indoor climate for maximum comfort and, hereby, minimizes electricity consumption.

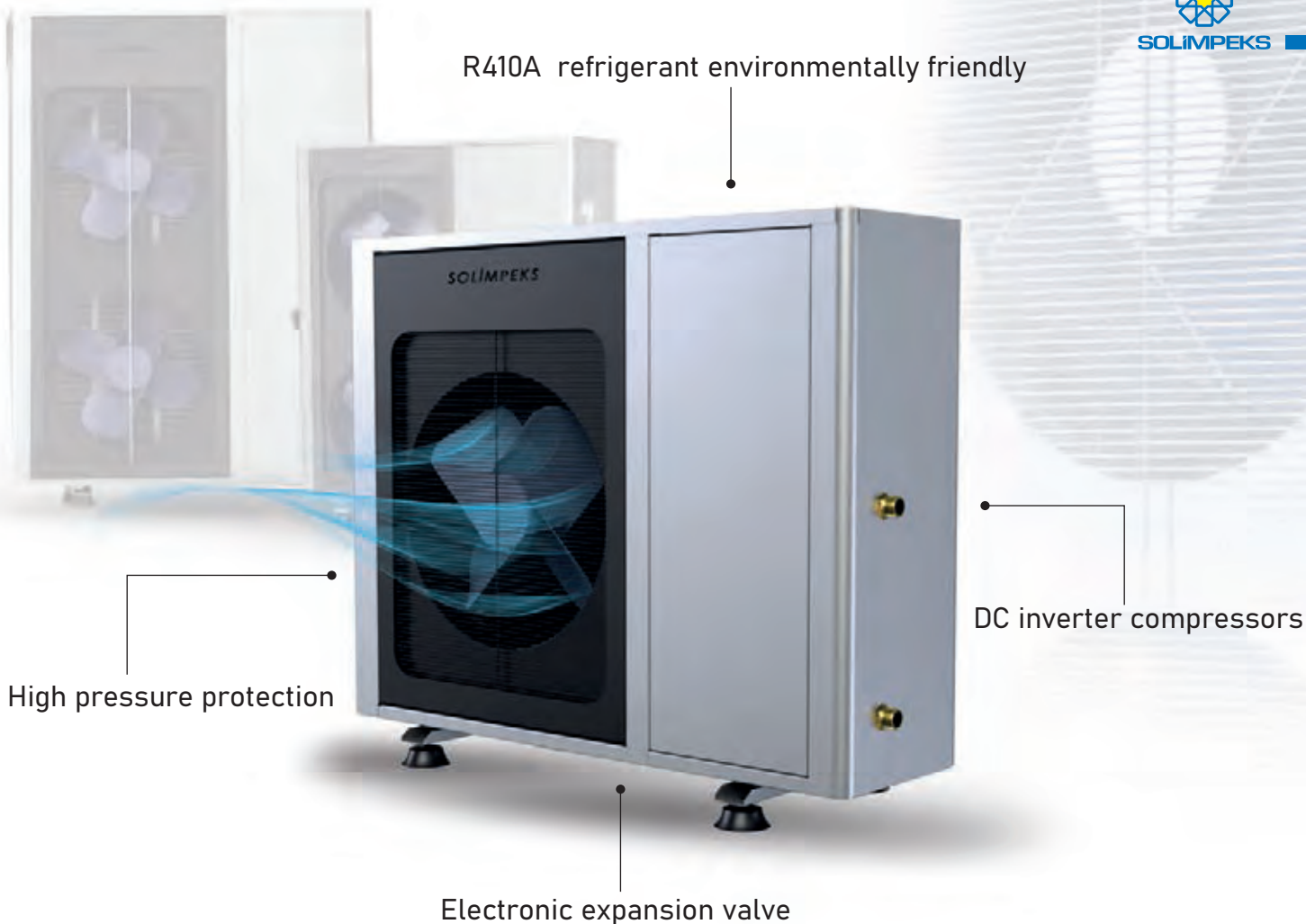


TECHNICAL SPECIFICATIONS		8 kW	12 kW	16 kW
Refrigerant supply/type	V/Hz/Ph	220-230/50/1 R410a	220-230/50/1 R410a	220-230/50/1 R410a
Max. Heating capacity (1)	kW	8,6	12,2	16,2
COP(1)	W/W	4,3	4,28	3,81
Heating capacity min/max (1)	kW	4,65/8,6	5,8/12,2	7,17/16,2
Power demand min/max (1)	W	1080/2000	1357/2850	1880/4250
COP min/max	W/W	4,2/4,3	4,27/4,28	3,8/3,81
Max Heating capacity (2)	kW	8,1	11,5	14,8
COP(2)	W/W	3,52	3,48	3,13
Heating capacity min/max (2)	kW	4,26/8,1	5,06/11,5	6,73/14,8
Power demand min/max (2)	W	1210/2300	1453/3300	2150/4730
COP min/max	W/W	3,51/3,52	3,46/3,48	3,12/3,13
Max cooling capacity (3)	kW	6,8	10	11,5
EER(3)	W/W	3,02	3,04	2,5
Cooling capacity min/max (3)	kW	5,66/6,8	3,44/10	3,9/11,5
Power demand min/max (3)	W	1875/2250	1130/3290	1560/3965
EER min/max	W/W	3,01/3,02	3,03/3,04	2,4/2,5
Ambient temp.	°C	-20/40	-20/40	-20/40
Min. Supply temp. (heating/cooling)	°C	20/7	20/7	20/7
Flow	m ³ /h	>1,5	>2	>2,8
Sound level	dB	50	59	59

1-) Ambient temperature 7 C / Water inlet-outlet 30-35 C
 2-) Ambient temperature 7 C / Water inlet-outlet 40-45 C
 3-) Ambient temperature 35 C / Water inlet-outlet 12-7 C

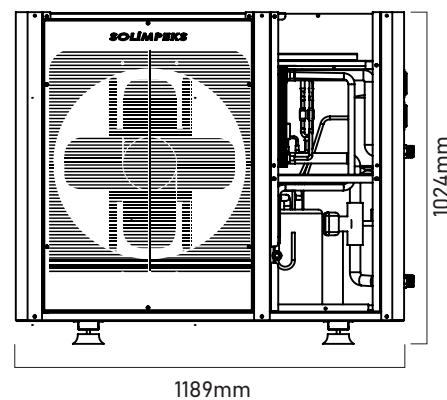
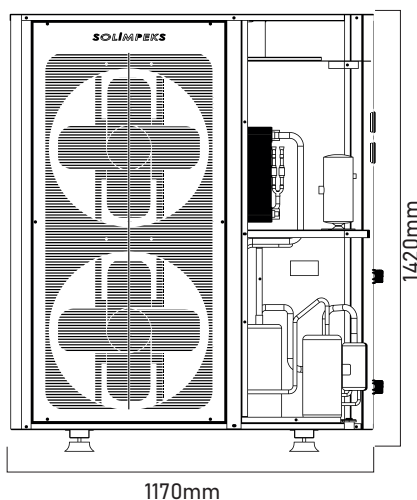
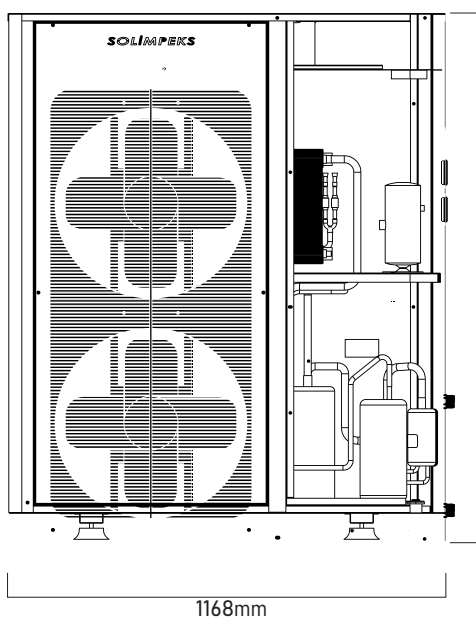
*Solimpeks reserves the right to make changes to this table at any time.

R410A refrigerant environmentally friendly



TECHNICAL SPECIFICATIONS

		8 kW	12 kW	16 kW
Dimensions	mm	1189x356x1024	1170x340x1420	1168x346x1625
Weight	kg	110	140	150





BCP HEAT PUMP



GENERAL INFORMATION

- ✓ Solimpeks BCP Heat pumps series are highly efficient, compact devices for the production of domestic hot water. Owing to its design, the device can be connected to any new or existing tank.
- ✓ High level of safety thanks to pressure and temperature safety devices used in the refrigerant circuit
- ✓ It allows easy and quick installation to a monoblock design and in-built circulation pump
- ✓ Highly energy-efficient with high quality components
- ✓ Automatic defrosting of the evaporator
- ✓ High efficiency rotary compressor, optimised for domestic hot water heat pumps
- ✓ Compatible with all boilers

TECHNICAL SPECIFICATIONS

TECHNICAL DATA		BCP
Electric power supply		220-240V/50Hz
Heating capacity at 20°C outdoor temperature (at 30°C water inlet temperature)	kW	3*
Electricity consumption at 20°C outdoor environment	kW	0,722*
Heating capacity at 13 - 40°C	kW	2,910*
Heating capacity at 13 - 45°C	kW	2,877*
Heating capacity at 13 - 50°C	kW	2,818*
Heating capacity at 13 - 55°C	kW	2,651*
COP, water heating 13 - 40°C	W/W	4,48*
COP, water heating 13 - 45°C	W/W	4,23*
COP, water heating 13 - 50°C	W/W	4,00*
COP, water heating 13 - 55°C	W/W	3,62*
Flow	m³/h	0,8
Diameter	mm	668
Height	mm	528
Weight	kg	45

*Solimpeks reserves the right to make changes to this table at any time.



HEAT PUMP FOR DOMESTIC HOT WATER

- ✓ Anti-corrosion magnesium stick for assuring the durability of the tank.
- ✓ Condenser wrapped externally to the boiler, free from fouling and gas water contamination.
- ✓ High thickness polyurethane foam (PU) thermal insulation.
- ✓ Outer shell made from black colour plastic material.
- ✓ Acoustically isolated top part plastic cover.
- ✓ Highly efficient compressor with the R134A refrigerant.
- ✓ High and low gas pressure protections.
- ✓ Assuring constant hot water even in extreme cold winters.
- ✓ Electrical heater available in the unit as back up.
- ✓ ON-OFF contact for starting the unit from an external switch.
- ✓ Thermostat expansion valve for precise control.



TECHNICAL SPECIFICATIONS

TECHNICAL DATA		SOLIDO 300
Power source	V/Ph/Hz	220-240/1/50
Water tank real capacity	L	286
Heating capacity	W	1870* (+2000**)
Rated power input	W	503* (+2000**)
Rated current	A	2.23* (+13.5**)
COP	W/W	3.72*
Maximum power input	W	765 (+2000**)
Maximum current	A	3.5 (+13.5**)
Max. output water temperature (without using e-heater)	°C	65
Airflow without air static pressure	m³/h	450
Air flow with 60 Pa air static pressure	m³/h	350
Maximum allowable tank pressure	bar	10
Auxiliary electric heater	kW	3
Thermostatic Expansion Valve		Yes
Cold water inlet	inch	3/4"
Hot water outlet	inch	3/4"
Auxiliary heat source input/output	inch	1 1/4"
Net dimensions	mm	φ650x1940
Net weight	kg	110

* Solimpeks reserves the right to make changes to this table at any time.

** Electric heater to this table at any time.





TSM

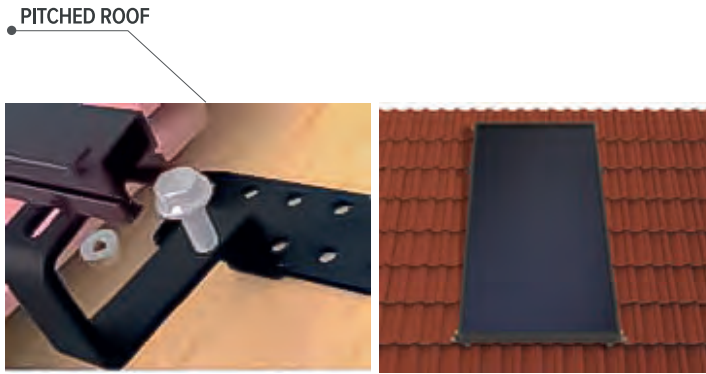
- SoliFlex AISI 316L Stainless Steel Flexible Hose
- Designed for effortless installation
- High pressure and temperature resistance
- UV resistant outer surface
- Long working life
- Designed for small installation areas
- Low cost installation
- Easy installation fittings



TECHNICAL SPECIFICATIONS

DN	CORRUGATION TYPE	Ø DIAMETER(mm)		DIMENSIONS (mm)			TOLERANCE (±mm)	WALL THICKNESS (mm)	NOMINAL PRESSURE (bar)	INTERNAL VOLUME (l)	SURFACE AREA (m ² /m)
		Ø Internal	Ø External	h	t	n					
12	Standard	12,6	16,5	4,12	2,41	1,71	0,2	0,18	18	0,168	0,072
16	Standard	16,5	21,85	3,6	1,8	1,8	0,2	0,18	11	0,268	0,126
20	Standard	20,5	26,2	4,82	2,51	2,31	0,3	0,18	14	0,437	0,138
25	Standard	25,5	31,8	3,3	1,8	1,5	0,3	0,2	10	0,624	0,155
32	Standard	34,6	41,1	4,82	3,11	1,72	0,4	0,2	2,5	1,125	0,228
40	Standard	40,7	49,6	6,6	3,82	2,82	0,4	0,25	2,5	1,963	0,272
50	Standard	50,5	60,3	6,6	3,82	2,62	0,4	0,25	2	2,4	0,355

Outer Cover	Special Polyamide										
Insulation	Elastomeric UV Resistance EPDM Rubber										
Insulation Thickness	t	mm								TS EN 14304	
Thermal Conductivity	λ	°C								TS EN 13467	
Fluid Temperature	-50° C to 105° C										
Length Per Coil	mm										
Fluid Capacity	l										
Bending Radius	Excellent										
Flammability	B1 CLASS0 CLASS1										
Ozone Resistance	Good										
Weather Resistance	Good										
Oil Resistance	Good										
Corrosion	Conforms										
Steam Diffusion resistance	7000										

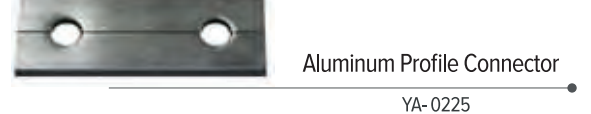


MA-0173	2510 Single
MA-0176	2510 Double
MA-0185	2510 Triple
MA-0174	2108 Single
MA-0177	2108 Double
MA-0175	1808 Single
MA-0178	1808 Double
MA-0182	PVT Single
MA-0183	PVT Double



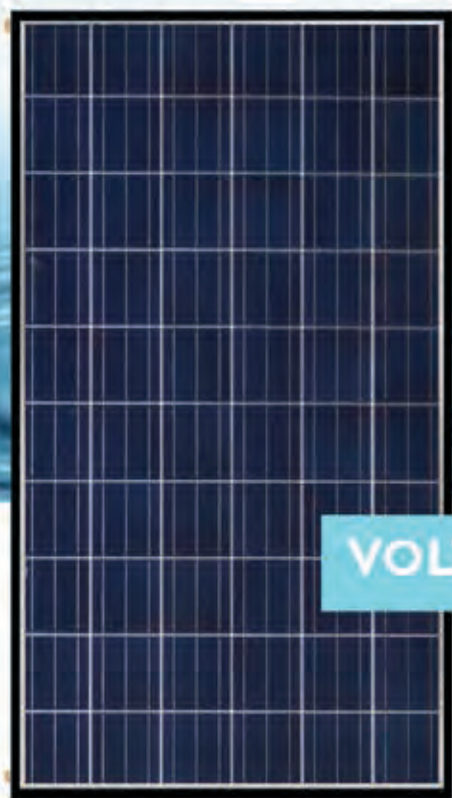
MA-0218	2510 Single
MA-0221	2510 Double
MA-0219	2108 Single
MA-0222	2108 Double
MA-0220	1808 Single
MA-0223	1808 Double
MA-0232	PVT Single
MA-0443	PVT Double

SPARE PARTS



Solar Thermal or Solar Photovoltaic? Solimpeks Says 'Both'

Solimpeks PV-T (Hybrid collector)
generates your electricity and
heats up your water simultaneously.



VOLTHER
hybrid collectors

www.solimpeks.com



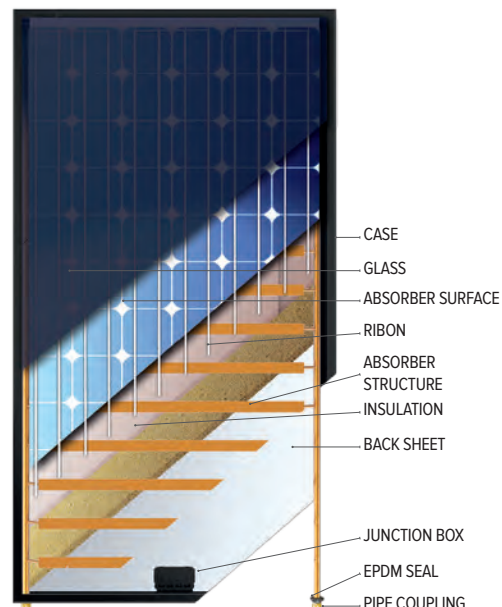
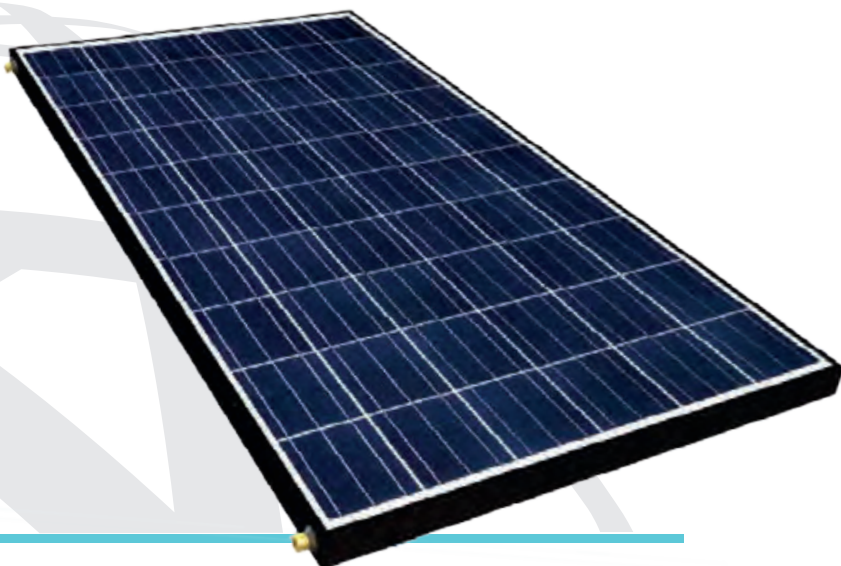
SOLIMPEKS
Renewable Heating



PV-T HYBRID PANELS

VOLTHER EXCELL

Electricity and usable thermal hot water at the same time from one panel.
Extra-much electricity production per year with cooled PERC cells.



TECHNICAL SPECIFICATIONS OF HYBRID COLLECTORS

Specifications/Product Code	WOLTHER EXCELL PVT
Dimensions	1670x 1005 x 60mm
Weight	28,44 kg
Gross Area	1,673 m ²
Number Of Cells	60 (6x10)
Cell Dimensions (mm)	158,75x158,75
Nominal Power (Wp)	325 W
Glazing	Pv Glass
Absorber Surface (PV)	Mono
Absorber Surface (T)	Copper
Safety Class	II
Maximum over current protection rating	15A
Power tolerance, current tolerance and voltage tolerance	3%
Volume of heat transfer fluid	0,85 L
Imp (A) Nominal Current	9.62 A
Isc (A) Short Curcuit Current (5%)	10.17 A
Vmp (A) Nominal Voltage	34.30 V
Voc (M) Open Curcuit Current (5%)	41.67 V
Welding Type	Laser
Absorber Tube Diameter	8,0 mm
Absorber Tube Thickness	0,45 mm
Manifolt Tube Diameter	18 mm
Manifolt Tube Thickness	0,70 mm
Tube Number	7
Tube Distance	130 mm
Max. Operation Pressure	8,6 bar
Test Pressure	13 bar
Peak Power perunit QPeak=724W (Kiwa Test Report No. L0000435/B rev.02. Page 20 di 23)	724 W

*All electrical data shall be shown as relative to standard test conditions (STC) (1 000 W/m², (25 ± 2) °C, AM 1,5 according to IEC 60904-3 and IEC TS 61863).

*Stagnation temperature at 1000 W/m² and 30°C -> 70°C

Typical Electrical Parameters	Unit	MR325M-60C/M
Nominal power at STC, Pmax	W	325
Power Tolerance at STC	%	±3
Voltage at Pmax, Vmp	V	34.30
Current at Pmax, Imp	A	9,62
Open Circuit Voltage, Voc (±3%)	V	41.67
Short Circuit Current, Isc (±3%)	A	10.17
Maximum System Voltage	V DC	1000
Temperature Coefficient of Pmp	%/°C	0.048
Temperature Coefficient of Voc	%/°C	-0.255
Temperature Coefficient of Isc	%/°C	-0.0331
Class of Protection		II
Maximum Series Fuse	A	15

Mechanical Parameters		MRwwwM-60C/M	MRWwwM-72C/M
Cell Type		Mono Crystalline	
Cell Size	mm	158.75 x 158.78	
No. Of Cells (Matrix)	pcs	60	72
Module Overall Dimensions (LxWxT)	mm	1665x1002x35	1982x1002x40
Weight (Approx)	Kg	19	23.5
Design Load	Pa	1600	
Fire Performance Type		1	

*Under normal conditions, a photovoltaic module is likely to experience conditions that produce higher current and/or voltage than reported at standard test conditions. Accordingly, the values of Isc and Voc, marked on this PV module should be multiplied by a factor of 1,25 when determining component voltage ratings, conductor current ratings, and size of controls (e.g. inverter) connected to the PV output.

*Type or model number designation for PV: MIR310-335W

*Nominal module operating temperature (NMOT). 36.9 °C

*Performance at NMOT (MOT 06.2). 242.5 W

*Performance at low irradiance (MGT 07) is specified. 63.2 W

*Temperature coefficient for voltage at open-circuit, Beta [°C] -0.255 Vd = -0.28%/°C

*Temperature coefficient for maximum power, alpha [%/°C] 0.048 Vd = -0.37%/°C

*Temperature coefficient for short-circuit current, Gamma [%/°C] -0.331 Vd = +0.048 %/°C

*The type and ratings of bypass diode to be used (if applicable); = 15A, IP68

*Fire rating: Class C

- Manufacturer uses one types of junction boxes in the panels it produces. PV-Junction Box model is PV-ZH011-3D (Manufacturer: Zhejiang Zhonghuan Sunter) PV-Connector model is PV-JM601 (Manufacturer: Zhejiang Jiaming Tianheyuan) 4mm², the connector cables size=1x 4mm² Temperature Rating = 90°C, 1000VDC (according to IEC 62852:2014)

*Country of Manufacturer: Turkey



ACCESSORIES



Pump Station
TI-0131 and TI-0129



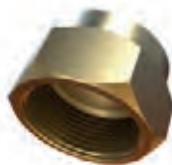
Solar Controller
TI-0209 and TI-0210



Expansion Vessel
TI-0531



Air Purger
HA -1498



End Cap
HA - 0345



Flexible Connection
YA - 0215



Electrical Heater
Thermostat
TI-0079 and TI-0080



Sensor Set
TI-0315



End Fittings Pack



HEATING PIPE

SOLIMPEX-A

Pex-a Evoh

Crosslinked polyethylene pipes Pex-a. Oxygen barrier EVOH in 3 layers. Maximum flexibility. Polyethylene resistant to High Temperatures. Pipes for systems pressure 6 bar.

Quality Certified,

European Quality Certification Institutions.

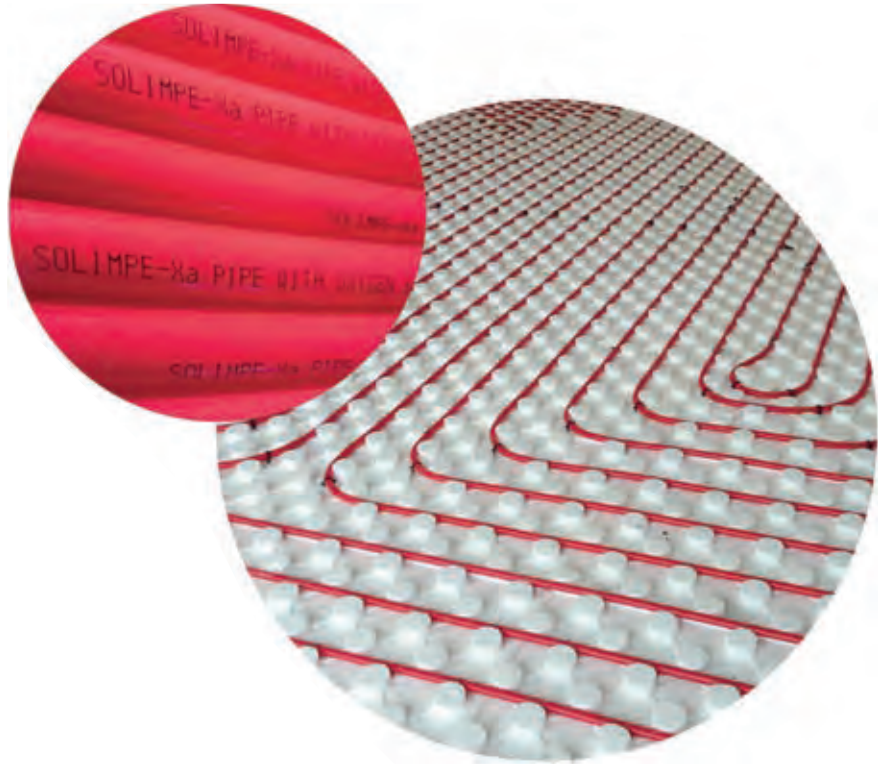
AENOR (Spain)

SKZ (Germany)

CSTB (France)

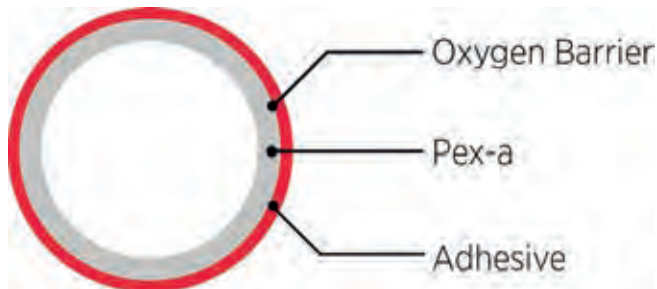
IIP (Italy)

GOST (Russia)



TECHNICAL SPECIFICATIONS

Ext. diam.	Pex-A Oxygen Barrier Evoh Range Wall Thickness (mm)
8 mm	1,1
10 mm	1,2
12 mm	1,1-2,0
16 mm	1,8-2,0
17mm	2,0
18 mm	2,0
20 mm	1,9-2,0
25 mm	2,3





SOLIMPEKS
Renewable Heating

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