



SOLAR THERMAL PRODUCTS

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HWF20 SOLAR COLLECTOR

SOLAR THERMAL FLAT-PLATE COLLECTOR FOR INSTALLATION ON FLAT ROOF AND PITCHED-ROOF (PARALLEL OR IN-ROOF INSTALLATION)



- › **High-efficiency aluminium absorber**
- › **Copper piping**
- › **Laser welding**
- › **Aluminium tank-frame**
- › **Rock wool insulation with a thickness of 40 mm**
- › Tempered clear glass with low iron content
- › Possibility to connect up to 8 collectors in series
- › Suitable for installation in the vertical direction, with the short side on top

Data	um	HWF20
Total gross surface	m ²	2,06
Absorber surface	m ²	1,93
Absorbance	%	95
Emission	%	5
Glass transmittancy	%	91
Liquid content	litres	0,9
Maximum operating pressure	bar	10
Net weight	kg	35
Stagnation temperature	°C	201
Opening surface	m ²	1,93
η ₀	-	0,753
α ₁	W/(m ² K)	3,168
α ₂	W/(m ² K ²)	0,012
IAM (K 50°)	-	0,94
External dimensions HC 25 (W x H x D)	mm	2020x1019x90
Code	-	PSHWF20000

Package includes: collectors.

Description	Code	Description	Code
Viton seals (10 pieces) (*)	PSGUAHWF00	Single collector fixing kit, for installation on the roof	PSKMHWF201
HWF 20 single collector in-roof installation kit	PSKITCOP06	Single collector fixing kit, brackets for roofs with wood-blocks	PSKMHWF202
HWF 20 supplementary collector in-roof installation kit	PSKITCOP07	Single collector fixing kit, brackets for roofs without wood-blocks	PSKMHWF203
Collector connection kit	PSKITHWF00	Single collector fixing kit, installation on roof with an inclination of 35°	PSKMHWF204
Joining kit for two collectors	PSKITHWF01	Single collector fixing kit for roof covered with metal sheet	PSKMHWF205

(*) Product available while stocks last

VLC 25 SOLAR COLLECTOR

SOLAR THERMAL FLAT-PLATE COLLECTOR FOR INSTALLATION ON FLAT ROOF AND PITCHED-ROOF (PARALLEL OR IN-ROOF INSTALLATION)



- › **High-efficiency aluminium absorber**
- › **Copper piping**
- › **Laser welding**
- › **Aluminium tank-frame**
- › **Rock wool insulation with a thickness of 50 mm and 50 kg/cu.m density**
- › **Suitable for installation in the vertical direction, with the short side on top**
- › Tempered clear glass with low iron content
- › Inlet/outlet with side connections at the top, size G1
- › Single-resistance EPDM anti-UV seal
- › Possibility to connect up to 6 collectors in series

Data	um	VLC25
Total gross surface	m ²	2,57
Absorber surface	m ²	2,16
Absorbance	%	94
Emission	%	5
Glass transmittancy	%	90,5
Liquid content	litres	1,6
Maximum operating pressure	bar	10
Net weight	kg	41,6
Stagnation temperature	°C	198
Opening surface	m ²	2,29
η ₀	-	0,680
α ₁	W/(m ² K)	3,012
α ₂	W/(m ² K ²)	0,018
IAM (K 50°)	-	0,96
External dimensions HC 25 (W x H x D)	mm	2077 x 1238x 100
Code	-	PSVLC25000

Package includes: collectors and seals

Description	Code	Description	Code
VLC 25 single collector in-roof installation kit	PSKITCOP04	Single collector fixing kit, brackets for roofs without wood-blocks	PSKMVL2503
VLC 25 supplementary collector in-roof installation kit	PSKITCOP05	Single collector fixing kit, installation on roof with an inclination of 35°	PSKMVL2504
Single collector fixing kit, for installation on the roof	PSKMVL2501	Single collector fixing kit for roof covered with metal sheet	PSKMVL2505
Single collector fixing kit, brackets for roofs with wood-blocks	PSKMVL2502		

SULPACK EVO

SOLAR KIT FOR FORCED CIRCUIT WITH HEAT INTEGRATION IN THE HOT WATER STORAGE TANK



- › **Solar collectors**
- › **High thermal insulation glazed hot water storage tank**
- › **Two-way hydraulic unit with high efficiency solar pump, factory assembled**
- › **Hydraulic and safety accessories**
 -) ES solar expansion vessel
 -) Hose with bracket for tanks
 -) Thermostatic mixing valve
 -) Propylene glycol for solar plants
 -) Sealing gaskets

The solar kit can be combined with wall-hung pre-mixed condensing boilers for sole heating. This solar kit requires you to position the hot water storage tank inside the building, preferably close to the heat power plant. By means of appropriate temperature probes which regulate its operation, a pump enables circulation of the liquid in the solar circuit.

Technical specifications	um	HWF 200	PLUS HWF 200	HWF 300	VLC 200	VLC 300
Orientation	-	Vertical				
Collectors	no.	1	2	2	1	2
Model	-	HWF 20			VLC 25	
hot water storage tank	-	WHPS BZ 200 DS	WHPS BZ 200 DS	WHPS BZ 300 DS	WHPS BZ 200 DS	WHPS BZ 300 DS
hot water storage tank energy efficiency class	-	B	B	B	B	B
hot water storage tank actual volume	l	196	196	291	196	291
Vbu	l	67	67	85	67	85
Losses in standby mode	W	51	51	63	51	63
Solar unit	-	2 ways				
Qnonsol (M)	kWh	961,21	695	737	830,11	642,25
Qnonsol (L)	kWh	2019,8	1454,56	1452,72	1786,95	1205,4
Qnonsol (XL)	kWh	3534,85	2762,41	2732,38	3241,57	2325,67
Qnonsol (XXL)	kWh	4689,42	3828,02	3746,27	4371,35	3267,13
Q circulation pump	W	45				
Qaux	kWh	90,7				
Qstand by	W	0,08				
Expansion vessel	-	ES 18				
Propylene glycol to be mixed	kg	10				
Code	-	PSPACKEV05	PSPACKEV07	PSPACKEV06	PSPACKEV02	PSPACKEV03

The solar kits do not include the retainers for roof installation, to be chosen among those specified for the different types of collectors, connection pipes and temperature probes. The solar control unit, if necessary, must be chosen among those indicated in the solar accessories in case you do not use a Fondital boiler set to manage the solar system.

SULPACK PRO

SOLAR KIT FOR FORCED CIRCUIT WITH HEAT INTEGRATION IN THE HOT WATER STORAGE TANK



- › **Solar collectors**
- › **Glazed hot water storage tank**
- › **Two-way hydraulic unit with high-efficiency solar pump**
- › **Hydraulic and safety accessories**

- › ES solar expansion vessel
- › RS additional solar tank
- › Hose with bracket for tanks
- › Thermostatic mixing valve
- › Propylene glycol for solar plants
- › Sealing gaskets

The solar kit can be combined with wall-hung pre-mixed condensing boilers for sole heating. This solar kit requires you to position the hot water storage tank inside the building, preferably close to the heat power plant. By means of appropriate temperature probes which regulate its operation, a pump enables circulation of the liquid in the solar circuit.

Technical specifications	um	HWF 200	VLC 200	HWF 300	VLC 300	HWF 500	VLC 500
Orientation	-	Vertical					
Collectors	no.	1	1	2	2	3	3
Model	-	HWF 20	VLC 25	HWF 20	VLC 25	HWF 20	VLC 25
hot water storage tank	-	WHPS BNF 200 DS		WHPS BNF 300 DS		WHPS BNF 500 DS	
hot water storage tank energy efficiency class	-	C	C	C	C	C	C
hot water storage tank actual volume	l	196	196	273	273	475	475
Vbu	l	67	67	85	85	130	130
Losses in standby mode	W	67	67	85	85	112	112
Solar unit	-	2 ways					
Qnonsol (M)	kWh	1037,73	917,9	876	799	1061,94	929,2
Qnonsol (L)	kWh	2077,28	1854,12	1564,68	1332,76	1459,17	1305,07
Qnonsol (XL)	kWh	3581,14	3295,2	2821,42	2429,72	2385,32	2014,43
Qnonsol (XXL)	kWh	4731,11	4419,2	3863,98	3396,22	3262,71	2761,55
Q circulation pump	W	45					
Qaux	kWh	90,7					
Qstand by	W	0,08					
Expansion vessel	-	ES 12	ES 12	ES 18	ES 18	ES 25	ES 25
Additional tank	-	RS 5	RS 5	RS 5	RS 5	RS 8	RS 8
Propylene glycol to be mixed	kg	10					
Code	-	PSPACKEX06	PSPACKEX03	PSPACKEX07	PSPACKEX04	PSPACKEX08	PSPACKEX05

The solar kits do not include the retainers for roof installation, to be chosen among those specified for the different types of collectors, connection pipes and temperature probes. The solar control unit, if necessary, must be chosen among those indicated in the solar accessories in case you do not use a Fondital boiler set to manage the solar system.

SULPACK EASY

SOLAR KIT FOR FORCED CIRCUIT WITHOUT HEAT INTEGRATION IN THE HOT WATER STORAGE TANK



- » **Solar collectors**
- » **Glazed hot water storage tank**
- » **One-way hydraulic unit with high efficiency solar pump**
- » **Hydraulic and safety accessories**

-) Sealing gaskets
-) ES solar expansion vessel
-) Hoses with brackets for tanks
-) Thermostatic mixing valve
-) Propylene glycol for solar plants

The solar kit can be combined to wall-hung combination boilers with instantaneous production of domestic hot water, using the solar kit for instantaneous boilers. The solar kit do not include the retainers for roof installation, to be chosen among the systems specified for the different types of collectors and connection pipes.

Technical specifications	-	HWF 200	HWF 300	HWF 500	VLC 200	VLC 300	VLC 500
Orientation	-	Vertical					
Collectors	no.	1	2	3	1	2	3
Model	-	HWF 20	HWF 20	HWF 20	VLC 25	VLC 25	VLC 25
hot water storage tank	-	WHPS BNF 200 SS	WHPS BNF 300 SS	WHPS BNF 500 SS	WHPS BNF 200 SS	WHPS BNF 300 SS	WHPS BNF 500 SS
hot water storage tank energy efficiency class	-						
hot water storage tank actual volume	l	196	273	475	196	273	475
Losses in standby mode	W	67	85	112	67	85	112
Solar unit	-	1 way					
Qnonsol (M)	kWh	910,57	800,53	1030,15	813,48	746,16	976,3
Qnonsol (L)	kWh	1895	1417,64	1344,72	1688	1208,15	1217,49
Qnonsol (XL)	kWh	3367,49	2620,11	2197,68	3091	2245,89	1856,34
Qnonsol (XXL)	kWh	4004,73	3637,97	3036,57	4199	3183,53	2562,6
Q circulation pump	W	45					
Qaux	kWh	90,7					
Qstand by	W	0,08					
Expansion vessel	-	ES 12	ES 18	ES 25	ES 12	ES 18	ES 25
Propylene glycol to be mixed	kg	10	10	10	10	10	10
Code	-	PSPACKEY06	PSPACKEY07	PSPACKEY08	PSPACKEY03	PSPACKEY04	PSPACKEY05

The solar kits do not include the retainers for roof installation, to be chosen among the systems specified for the different types of collectors, connection pipes and temperature probes. The solar control unit, if necessary, must be chosen among those indicated in the solar accessories in case you do not use a Fondital boiler set to manage the solar system (for combination boilers only).



The Solar Kit for instant boilers allows you to bypass the boiler if water temperature from the solar tank is higher than 48 °C. It includes one unit integrating both a thermostatic deviating valve and an adjustable thermostatic mixing valve.

If you order the solar kit for boiler, when ordering a SULPACK EASY KIT, the mixing valve will not be supplied and will automatically be eliminated from the cost of the kit.

For solar kits for combination boilers, refer to page 133




SULPACK NATURAL PLUS

NATURAL CIRCULATION SOLAR KIT



- › **Solar collectors**
- › **Glazed hot water storage tank**
- › **Fastening system for tilted roof**
- › **Hydraulic connection accessories**
- › **1500W auxiliary electric resistance supplied as standard, adjustable by means of a thermostat**
- › Heat transfer fluid circuit safety valve
- › Double magnesium anode
- › Domestic cold water input check and safety valve

The Sulpack Natural Plus system can be combined to Fondital combination boilers with instantaneous production of domestic hot water, using the solar kit for instantaneous boilers. The Solar Kit allows you to bypass the boiler if water temperature from the solar tank is higher than 48 °C.

Technical specifications	um	150	200	300
Collectors	no.	1	1	2
Gross surface (single collector)	m²	2,11		
Liquid content (single collector)	litres	1,4		
Collector structure material	-	aluminium		
Glass	type	low-iron		
Thickness	mm	3,2		
Insulation	type	mineral wool		
Insulation thickness	mm	40		
Size (W x L x H) (single collector)	mm	1036x2037x90		
Overall empty weight (single collector)	kg	42		
Opening surface (single collector)	m²	1,92		
η0	-	0,702		
α1	W/(m²K)	3,930		
α2	W/(m²K²)	0,007		
IAM	-	0,91		
Absorber				
Surface (single collector)	m²	1,91		
Material	type	aluminium		
Finishing	type	selective		
Tank				
hot water storage tank energy efficiency class	-			
Dissipation S	-	68	72	97
Hot water storage	litres	152	198	282
Heat exchanger	-	jacket	jacket	jacket
Heat transfer fluid capacity	litres	8,5	12	18,8
Insulation thickness	mm	50	50	50
Maximum operating pressure	bar	6	6	6
Internal finishing	type	enamelling	enamelling	enamelling
Corrosion protection	type	Anodic (double anode - Mg)		
Empty weight	kg	72	88	110
Electric resistance (as standard)	W	1500	1500	1500
Connections	-	G 3/4	G 3/4	G 3/4
Total amount of heat transfer fluid in the system	litres	11	14,5	22,5
Code	-	PSPACTER09	PSPACTER10	PSPACTER11

Description	Code
Supplementary kit for flat roofs, mod. 150	PSKITPAC03
Supplementary kit for flat roofs, mod. 200	PSKITPAC04

Description	Code
Supplementary kit for flat roofs, mod. 300	PSKITPAC05
Sulpack natural plus pressure-temperature safety valve	PSVALSIC00

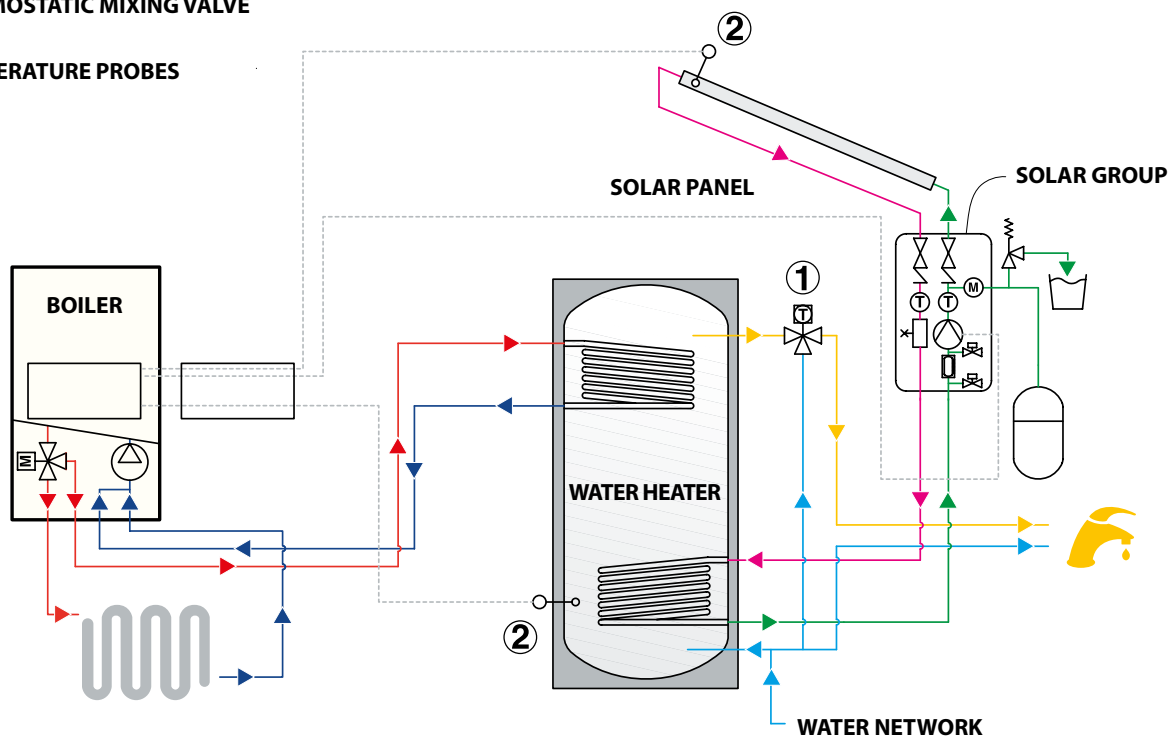
It can be combined with the following models: Itaca KC - Formentera KC - Antea KC - Antea PRO CTN - Formentera PRO CTN

EXAMPLES

Connection to a boiler with integrated deviating valve **Sulpack Pro / Sulpack Evo**

① THERMOSTATIC MIXING VALVE

② TEMPERATURE PROBES

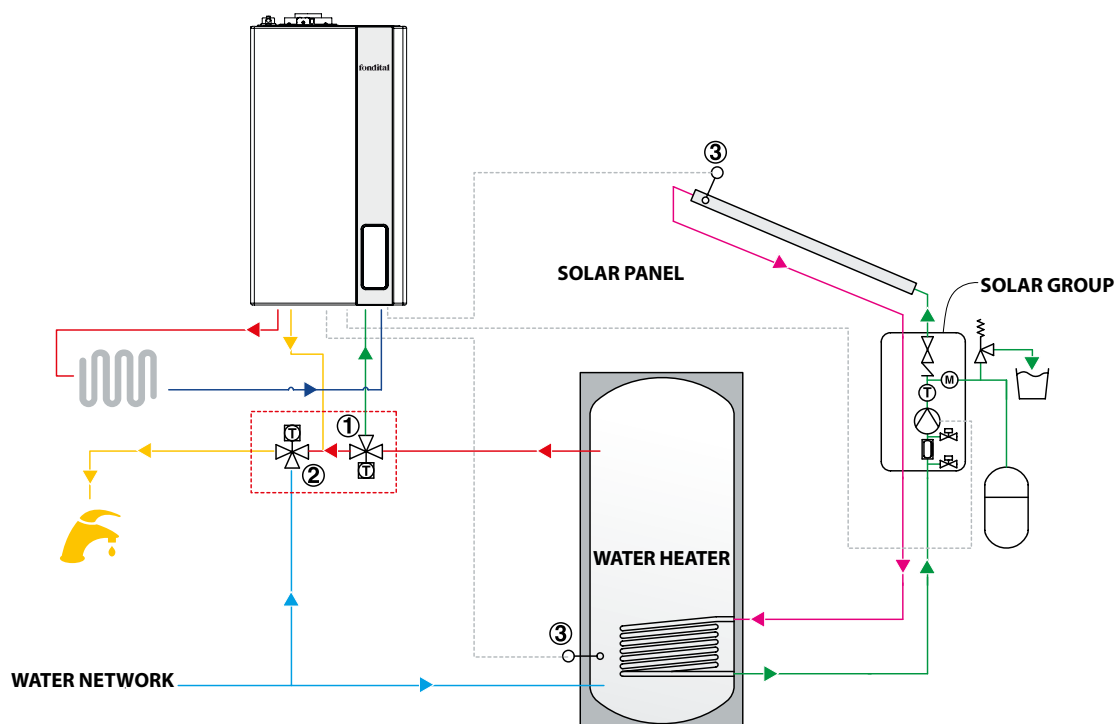


Connection to combination instantaneous boiler **Sulpack Easy**

① THERMOSTATIC DIVERter VALVE

② THERMOSTATIC MIXING VALVE

③ TEMPERATURE PROBES



MADEIRA SOLAR KRBS

FLOOR-STANDING CONDENSING BOILER WITH AN INTEGRATED DOUBLE COIL WATER TANK FOR THE PRODUCTION OF DHW
WITH HYDRAULIC UNIT AND ELECTRONICS FOR MANAGING A SOLAR THERMAL PLANT



- › **Ambient temperature probe supplied as standard**
- › **Modulation ratio: 1:9**
- › **300-litre hot water storage tank with double coil**
- › **Available in the KRBS version with one direct zone, in the KRBS-V version with one direct and one mixed integrated zones, and in the KRBS-Z version with one direct and two mixed integrated zones**
- › **Front door for immediate access to boiler**
 - › Thermosetting polymer-covered stainless steel heat exchanger
 - › Hydraulic connections on the sides
 - › Heating expansion vessel - 10 litres
 - › Thermoregulation with external probe (optional)
 - › 12-litre DHW expansion vessel
 - › 18-litre solar expansion vessel
 - › Additional 5-litre safety solar tank

For the technical data sheet, see page 56

Available in the following models:



ACCESSORIES

SOLAR PUMP GROUP RS1, ONLY RETURN



Flow regulator with 2-12 l/min flowmeter and integrated loading system

- › Ball tap with built-in return thermometer and check valve
- › Insulation in black EPP
- › High efficiency solar circulation pump
- › Solar safety valve calibrated at 6 bar
- › Pressure gauge with 10 bar scale
- › Expansion tank connection G 1/2
- › Wall-mounted, steel bracket included

SOLAR UNIT RS1

Flow rate adjustment	l/min.	2 ÷ 12
Max. head	m	7,5
Max. power	w	45
Code	PSGRUP0011	

SOLAR PUMP GROUP MRS3, FLOW AND RETURN



Flow regulator with 4-15 l/min flowmeter and integrated loading system

- › Built-in degasser with manual bleed valve
- › Ball taps with built-in flow and return thermometers and check valve
- › Insulation in black EPP
- › High efficiency solar circulation pump
- › Solar safety valve calibrated at 6 bar
- › Pressure gauge with 10 bar scale
- › Expansion tank connection G 3/4
- › Wall-mounted, steel bracket included

SOLAR UNIT MRS3

Flow rate adjustment	l/min.	4 ÷ 15
Max. head	m	7,5
Max. power	w	45
Code	PSGRUP0012	

SOLAR PUMP GROUP MRDP PLUS W, FLOW AND RETURN



Flow regulator with 20-70 l/min. flowmeter and integrated loading system

- › Ball taps with built-in flow and return thermometers and check valve
- › Insulation in black EPP
- › High efficiency solar circulation pump
- › Solar safety valve calibrated at 6 bar
- › Pressure gauge with 10 bar scale
- › Expansion tank connection G 1/2
- › Wall-mounted, steel bracket included

SOLAR UNIT MRDP PLUS W

Flow rate adjustment	l/min.	20 ÷ 70
Max. head	m	11
Max. power	w	140
Code	PSGRUP0010	

CIRCULATION PUMPS

High-efficiency circulation pumps for solar plants



SOLAR CIRCULATION PUMP C6		
Maximum head	m	5,4
Max. power	w	49
Fan	no.	3
Fittings	-	41
Maximum ambient temperature	°C	60
Maximum temperature of solar fluid	°C	110
Code	PSCIRCOLA7	

ADDITIONAL TANKS

Diaphragm-free tank with tank protection feature
Colour White



ADDITIONAL TANKS		RS 5	RS 8	RS 12
Capacity	litres	5	8	12
Diameter	mm	160	200	270
Height	mm	270	280	264
Fitting	-	2 x G ¾ M		
Max. pressure	bar	10		
Code		PSVASO0009	PSVASO0010	PSVASO0011



EXPANSION VESSELS






Diaphragm for solar fluid for T max 100 °C.
Colour White



EXPANSION VESSELS		ES 12	ES 18	ES 25	ES 35	ES 50	ES 80	ES 100	ES 200
Capacity	litres	12	18	25	35	50	80	105	200
Diameter	mm	270	270	300	380	380	450	500	600
Height	mm	264	350	392	377	525	608	665	812
Fitting	-	G ¾					G 1		
Max. pressure	bar	10							
Preload	bar	2,5							
Code		PSVASO0001	PSVASO0002	PSVASO0003	PSVASO0004	PSVASO0005	PSVASO0006	PSVASO0007	PSVASO0008

ACCESSORIES FOR TANKS



Item	Description	Code
	STES 5 - 25: Universal mounting bracket for expansion vessels and additional tanks up to a capacity of 25 litres.	PSVASO0012
	STES 5 - 18: Wall mounting bracket with clamp for additional tanks and expansion vessels up to a capacity of 18 litres	PSVASO0014
	STES 35 - 50: Quick wall-mounting bracket for expansion vessels up to a capacity between 35 and 50 litres.	PSVASO0015
	FLEX 600: Hose for solar tanks, 600 mm long.	PSVASO0016
	STES 12 - 50 w/valve: Wall mounting bracket with double shut-off fitting for expansion vessels up to a capacity of 50 litres. Allows tank control without emptying the system.	PSVASO0017

THERMOSTATIC MIXING VALVE



- › Bronze external body
- › Internal parts in special anti-scale plastic
- › Automatic shut-off if no mixing cold water is available

THERMOSTATIC MIXING VALVE		
Fittings	-	G 1 M
Temperature range	°C	35 - 50
Maximum operating temperature	°C	100
Maximum flow rate	l/h	1500
Code	PSVALMIX00	

THERMOSTATIC MIXING VALVE



- › Brass external body
- › Automatic shut-off if no mixing cold water is available

THERMOSTATIC MIXING VALVE		
Fittings	-	G 3/4 M
Temperature range	°C	30 - 60
Maximum operating temperature	°C	85
Maximum flow rate	l/h	1000
Code	PSVALMIX01	

THREE-WAY DEVIATING VALVE

Three-way deviating valve for solar plants with 3-wire auxiliary contact



THREE-WAY DEVIATING VALVE		
Fittings	-	G ¾ M
Maximum operating temperature	°C	160
Code	PSVALDEV01	

SOLAR PROTECTION LIQUID

Propylene glycol-based fluid suitable for use in systems with solar panels
Protective, anti-freeze and anti-corrosive



SOLAR PROTECTION LIQUID		10/170 (*)	20/170 (*)	30/170 (*)
Quantity	litres	10	20	30
Minimum operating temperature	°C	- 28		
Maximum operating temperature	°C	170	170	170
Code		PSPROSOL00	PSPROSOL01	PSPROSOL02

(*) Product available while stocks last



CONCENTRATED SOLAR PROTECTION LIQUID

Concentrated monopropylene glycol-based antifreeze fluid, to be diluted in water



CONCENTRATED SOLAR PROTECTION LIQUID					
Quantity	kg	10	10	10	10
Percentage of protection liquid in the system	%	20	25	30	45
Minimum temperature	°C	-8	-12	-15	-28
Code		PSPROSOL04			

PIPES FOR SOLAR PLANTS



Splittable double flexible pipe system in AISI 316 L stainless steel with insulation coating in EPDM closed cell foam

- › External protection case in black polyethylene
- › Silicone cable for two-wire collector probe (maximum operating temperature in continuous duty: 280°C)
- › Maximum resistance to temperature values of 175°C for short periods
- › It includes 4 swivel nut connectors, 4 seals, 4 O-rings
- › Hose flaring is made using a steel washer and a brass nipple, which are included in the kit

		Stainless steel Tuboflex 12/20 (*)	Stainless steel Tuboflex 12/25 (*)	Stainless steel Tuboflex 16/20 (*)	Stainless steel Tuboflex 16/25 (*)
Diameter	mm	12	12	146	16
Length	m	20	25	20	25
Insulation thickness	mm	13			
Maximum working temperature in continuous duty	°C	125			
Code		PSTUBI0015	PSTUBI0016	PSTUBI0017	PSTUBI0018

(*) Product available while stocks last

FITTING FOR SOLAR PLANTS



- › The FITTING KIT includes 4 swivel nut connectors, 4 seals, 4 O-rings.
- › Hose flaring is made using a steel washer and a brass nipple, which are included in the kit
- › The NIPPLE KIT includes brass nipples in 3-piece package

FITTINGS FOR SOLAR PLANTS	Fitting kit for Tuboflex SS 12 (*)	Fitting kit for Tuboflex SS 16 (*)	Nipple kit G ½ for Tuboflex SS 12 (*)	Nipple kit G ¾ for Tuboflex SS 16 (*)
Code	PSTUBI0019	PSTUBI0020	PSTUBI0021	PSTUBI0022

(*) Product available while stocks last

SOLAR KIT FOR COMBINATION BOILERS



0KITSOLC07

Solar kit for combination instantaneous boilers; it can be combined with the boilers listed below for connection to the solar plants featuring forced circuit and natural circulation, with heat not integrated in the water heater SULPACK EASY and SULPACK NATURAL. The kit allows you to bypass the boiler if water temperature from the solar tank is higher than 48 °C and to adjust the maximum temperature of water delivered at the users/use points. Mixer valve adjustment interval: 30 - 56°C. Limit temperature for flow stop in case of lack of cold water: 60°C. Minimum working pressure: 0.5 bar. Optimum working pressure: 1 - 10 bar. Consisting of:

- › One thermostatic deviating valve and one mixing valve
- › Connection pipes
- › Shut-off cocks:

Itaca KC Formentera KC Antea KC Formentera PRO CTN Antea PRO CTN	
System connection	Rear connections
Code	0KITSOLC07

TEMPERATURE PROBE



PT 1000 temperature probe for solar plants, suitable for all models of solar control unit
Heat paste supplied

SOLAR PROBE		
Bulb diameter	mm	6
Cable length	mm	2,5
Code	PSPTMILL00	

SG2 SOLAR CONTROL UNIT



Control unit for managing 9 types of solar circuits.

- › Load of a twin-coil hot water storage tank with heat being integrated from the boiler
- › Management of a combined hot water storage tank
- › Possibility to have two arrays of collectors
- › Pre-set for thermal discharge
- › Five probe inputs
- › Two relay outputs
- › Two adjustable temperature differentials
- › Hysteresis settings
- › One pulse input for heat metering
- › Pump anti-seize function
- › Possibility to control circulation pumps in PWM or 0-10V
- › Wide LCD display showing system layout and probe current temperatures
- › Charts showing the trend of the probe temperature reading in time
- › Can be set for 10 types of systems

SG3 SOLAR CONTROL UNIT



Control unit for managing 12 types of solar circuits.

- › Load of a twin-coil hot water storage tank with heat being integrated from the boiler
- › Management of two hot water storage tanks in cascade-type connection
- › Management of a combined hot water storage tank
- › Possibility to have two arrays of collectors
- › Pre-set for thermal discharge
- › Five probe inputs
- › Two relay outputs
- › One output for modulating solar pump
- › Two adjustable temperature differentials
- › Hysteresis settings
- › One pulse input for heat metering
- › Pump anti-seize function
- › Collector protection function
- › Function for hot water storage tank thermal discharge during the night with collector
- › Heating pump post-circulation function
- › Wide LCD display showing system layout and probe current temperatures
- › Charts showing the trend of the probe temperature reading in time
- › Can be set for 13 types of systems

SOLAR ELECTRONIC CONTROL UNITS	SG2	SG3
Code	PSCENSO004	PSCENSO005 (while stocks last)

The supply includes collector probe and hot water storage tank probe (both PT 1000) as well as the wall-mounting base.