

## Solar systems

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# Forced collectors

## SOL 250-V NEW



- New Baxi 2,5 m<sup>2</sup> vertical solar collector certified Solar Keymark
- For flat and pitched roof
- **INCLUDED protective film:** total overheating protection. The package contains all the main instructions for assembly, transport and maintenance of the solar collector
- **High efficiency:** increased absorption surface by means of a more contained frame
- **Elegant design:** the collector has been developed with a focus on its design. Profile and coatings are the same color as glass, ensuring the integration of the panel on every roof
- **Compression-fittings connections:** brass connections ensure maintenance over time - distance between collectors: 55 mm
- **Up to 10 collectors can be connected in series** (an omega has to be connected after the fifth one)
- **Gross surface:** 2,52 m<sup>2</sup>
- **Covering:** single solar glass ESG that is pre-stressed, non-ferrous, hail resistant and 3.2 mm thick
- **Absorber:** laser welded aluminium slab (0,4 mm thick) with copper meander pipe (8 mm diameter) and highly selective treatment

## SOL 250-O NEW



- New Baxi 2,5 m<sup>2</sup> horizontal solar collector certified Solar Keymark
- For flat and pitched roof
- **INCLUDED protective film:** total overheating protection. The package contains all the main instructions for assembly, transport and maintenance of the solar collector
- **Compression-fittings connections:** brass connections ensure maintenance over time - distance between collectors: 55 mm
- **Up to 10 collectors can be connected in series**
- **Gross surface:** 2,52 m<sup>2</sup>
- **Covering:** single solar glass ESG that is pre-stressed, non-ferrous, hail resistant and 3.2 mm thick
- **Absorber:** laser welded aluminium slab (0,4 mm thick) with copper meander pipe (8 mm diameter) and highly selective treatment

		SOL 250-V A7698742	SOL 250-O A7713055
Product code		A7698742	A7713055
Installation		A-frame, on-roof	A-frame, on-roof
Orientation		vertical	horizontal
Connections		compression-fittings	compression-fittings
Gross surface	m <sup>2</sup>	2,52	2,52
Absorber area	m <sup>2</sup>	2,35	2,35
Aperture area	m <sup>2</sup>	2,4	2,4
Collector capacity	l	1,4	1,8
Maximum working pressure	bar	10	10
$\eta_0$ - Efficiency (with reference to the absorber surface)	%	80	82
$\alpha$ Heat losses	W/m <sup>2</sup> k	3,897	3,226

For hydraulic and installation accessories see pages 93-95  
Solar tanks are available on pages 88-91

## Forced collectors

### SOL 200-V **NEW**



- New Baxi 2,02 m<sup>2</sup> vertical solar collector certified Solar Keymark
- For flat and pitched roof
- **INCLUDED protective film:** total overheating protection. The package contains all the main instructions for assembly, transport and maintenance of the solar collector
- **Compression-fittings connections:** brass connections ensure maintenance over time - distance between collectors: 55 mm
- **Up to 10 collectors can be connected in series**
- **Gross surface:** 2,02 m<sup>2</sup>
- **Covering:** single solar glass ESG that is pre-stressed, non-ferrous, hail resistant and 3.2 mm thick
- **Absorber:** laser welded aluminium slab (0,4 mm thick) with copper meander pipe (8 mm diameter) and highly selective treatment

		SOL 200-V A7713056
Product code		A7713056
Installation		A-frame, on-roof
Orientation		vertical
Connections		compression-fittings
Gross surface	m <sup>2</sup>	2,02
Absorber area	m <sup>2</sup>	1,87
Aperture	m <sup>2</sup>	1,92
Collector capacity	l	1,2
Maximum working pressure	bar	10
$\eta_0$ - Efficiency (with reference to the absorber surface)	%	80
$\alpha$ Heat losses	W/m <sup>2</sup> k	3,914

For hydraulic and installation accessories see pages 93-95

Solar tanks are available on pages 88-91

## UBVT SC/DC

### Enamelled steel cylinders for boilers and solar systems



UBVT 200  
SC/DC

- Tanks range from 200 to 500 l, single (UBVT SC) and double coil (UBVT DC)
- Enamelled vitrified tanks at 850°C to ensure high protection against corrosion
- Insulation made with high-density injected polyurethane foam without CFC
- External rigid case in ABS
- Magnesium anode (2 in models with double coil) to safeguard the internal tank surface against corrosion
- 1500 W, 2300 W and 3000 W electrical resistances with adjustable thermostat available as optional
- Compatible with all BAXI boilers and solar systems

		UBVT 200 SC	UBVT 200 DC	UBVT 300 SC	UBVT 300 DC	UBVT 400 SC	UBVT 400 DC	UBVT 500 DC
Product code		7110591	7110592	7110593	7110594	7110595	7110596	7682976
Capacity	l	225	225	295	295	400	400	500
Dimensions	mm	1422,5 x 610	1422,5 x 610	1795,5 x 610	1795,5 x 610	1671,5 x 710	1671,5 x 710	1812 x 811
Weight	kg	95	106	113	128	140	159	205
Maximum DHW pressure	bar	10	10	10	10	10	10	10
Maximum coil pressure	bar	10	10	10	10	10	10	10
Maximum working temperature	°C	95	95	95	95	95	95	95
Insulation		injected polyurethane						
Insulation thickness	mm	50	50	50	50	50	50	50
Heat losses	kWh/24h ( $\Delta T=45^{\circ}\text{C}$ )	1,8	1,8	2,2	2,2	2,6	2,6	3,0
Heat transfer coefficient	W/K	1,88	1,88	2,29	2,29	2,71	2,71	3,96
Coil exchange surface	m <sup>2</sup> upper	-	0,76	-	1,0	-	1,0	1,0
	m <sup>2</sup> lower	1,2	1,2	1,5	1,5	1,8	1,8	2,5
Coil heat exchange (T inlet 80°C - T DHW 10/45°C)	kW upper	-	24	-	30	-	30	30
	kW lower	36	36	42	42	48	48	63
Coil water content	l upper	-	5,1	-	6,8	-	6,8	6,8
	l lower	8,1	8,1	10,1	10,1	12,1	12,1	16,8
Nominal flow rate	m <sup>3</sup> /h upper	-	2	-	2	-	2	2
	m <sup>3</sup> /h lower	2	2	2	2	2	2	2
DHW production (T inlet 80°C - T DHW 10/45°)	l/h upper	-	590	-	740	-	740	740
	l/h lower	885	885	1032	1032	1179	1179	1548
Pressure losses	mbar upper	-	40	-	50	-	50	50
	mbar lower	68	68	80	80	92	92	116
NL number (DIN4708)		0,7	0,7	1,3	1,3	2,8	2,8	3,8
Standing loss	W	75	75	92	92	108	108	125
Class		☞ C	☞ C	☞ C	☞ C	☞ C	☞ C	☞ C

## UB DC

### Vitrified enamelled steel cylinders for DHW production in centralized systems



- Tanks range from 800 to 2000 l, double coil
- Enamelled vitrified tanks at 850°C to ensure high protection against corrosion
- Insulation made with soft polyurethane 100 mm thickness
- Magnesium anode (2 in models with double coil) to safeguard the internal tank surface against corrosion

Product code		UB 800 DC*	UB 1000 DC*	UB 1500 DC*	UB 2000 DC*
		7685877	7685878	7685880	7685881
Capacity	l	800	1000	1500	2000
Dimensions	mm	1855 x 990	2105 x 990	2185 x 1200	2470 x 1300
Weight	kg	220	265	365	480
Maximum DHW pressure	bar	10	10	8	8
Maximum coil pressure	bar	6	6	6	6
Maximum working temperature	°C	95	95	95	95
Insulation		soft polyurethane			
Insulation thickness	mm	100	100	100	100
Heat losses	kWh/24h ( $\Delta T=40^{\circ}\text{C}$ )	2,74	3,01	3,89	4,77
Heat transfer coefficient	W/K	2,85	3,15	4,09	4,97
Coil exchange surface	m <sup>2</sup> upper	1,6	1,6	1,8	2,8
	m <sup>2</sup> lower	2,7	3,0	3,4	4,6
Coil heat exchange (T inlet 80°C - T DHW 10/45°C)	kW upper	40	40	47	73
	kW lower	68	75	88	120
Coil water content	l upper	9,3	9,3	10,4	16,9
	l lower	15,2	17,5	19,5	28,1
Nominal flow rate	m <sup>3</sup> /h upper	1,7	1,7	2,0	3,1
	m <sup>3</sup> /h lower	2,9	3,2	3,8	5,2
DHW production (T inlet 80°C - T DHW 10/45°)	l/h upper	1000	1000	1200	1800
	l/h lower	1700	1800	2200	2900
Pressure losses	mbar upper	52	52	80	233
	mbar lower	236	329	499	1019
NL number (DIN4708)		27	35	45	60

\* Tanks with capacity higher than 500 l are not subject to energy labelling

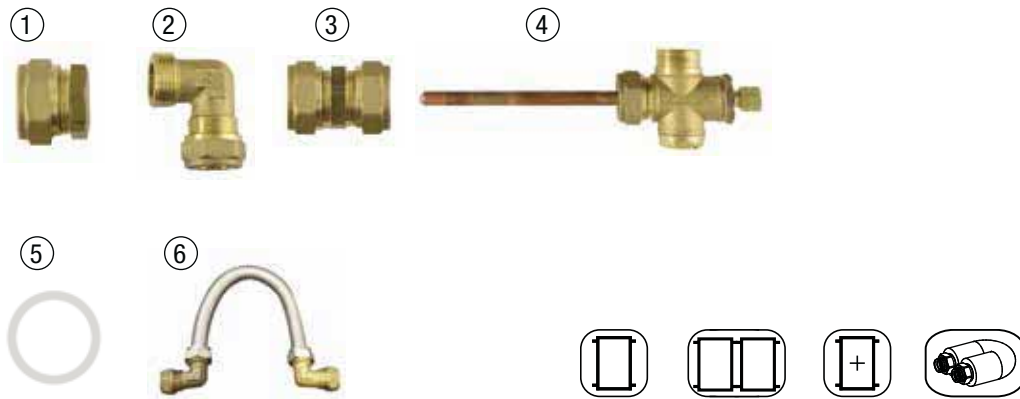
## Solar connections A-frame and on roof installation (under/through-tile)

### COMPRESSION-FITTINGS: SOL 250-V, SOL 250-O, SOL 200-V hydraulic connections

Compression brass connections (with ogive).










A manual drain air valve is INCLUDED in the 1 and 2 collectors hydraulic connection kits

- code **A7698958**: 1 collector compression-fittings hydraulic connection kit
- code **A7698629**: 2 collectors compression-fittings hydraulic connection kit
- code **A7668058**: Additional collector compression-fittings hydraulic connection kit
- code **A7706314**: Hydraulic connection kit with Omega for installations with  $n^{\circ} \geq 6$  collectors









Legend	
1	End cap
2	Elbow G3/4
3	Joining piece
4	Elbow with sensor G3/4 and drain air valve
5	Seal washer
6	Omega connection







	A7698958	A7698629	A7668058	A7706314
1	2	2	-	-
2	1	1	-	4
3	-	2	2	-
4	1	1	-	-
5	2	2	-	4
6	-	-	-	2

	Hydraulic accessories	Code
	1 collector hydraulic connection kit For SOL 250-V, SOL 250-O, SOL 200-V	A7698958
	2 collectors hydraulic connection kit For SOL 250-V, SOL 250-O, SOL 200-V	A7698629
	Additional collector hydraulic connection kit For SOL 250-V, SOL 250-O, SOL 200-V	A7668058
	Connection kit with Omega (to be placed between the 5th and the 6th collector of the row) For SOL 250-V, SOL 250-O, SOL 200-V	A7706314
	Thermostatic mixing valve For SOL 250-V, SOL 250-O	LNC 71000010
	Solar diverter valve (Rp 3/4") For SOL 250-V, SOL 250-O	LNC 71000019
	Diverting valve actuator For SOL 250-V, SOL 250-O	LNC 71000020
	Dilute anti freeze (45% glycol/GL10D) - 10 kg tank For all solar collectors	A7705951

## AA Installation accessories: A-frame Code

	A-frame set for 1 collector (incl. brackets and rails) For SOL 250-V, SOL 200-V	A7217027
	A-frame set for 2 collectors (incl. brackets and rails) For SOL 250-V, SOL 200-V	A7218884
	A-frame supplementary set for one additional collector (incl. brackets and rails) For SOL 250-V, SOL 200-V	A7217032
	A-frame set for 1 collector (incl. brackets and rails) For SOL 250-0	A7217033
	A-frame set for 2 collectors (incl. brackets and rails) For SOL 250-0	A7705949
	A-frame supplementary set for one additional collector (incl. brackets and rails) For SOL 250-0	A7695248

## AA Installation accessories: on-roof under-tile Code

	On-roof under-tile set for 1 collector (incl. brackets and rails) For SOL 250-V, SOL 200-V	A7674434
	On-roof under-tile set for 2 collectors (incl. brackets and rails) For SOL 250-V, SOL 200-V	A7674438
	On-roof under-tile supplementary set for one additional collector (incl. brackets and rails) For SOL 250-V, SOL 200-V	A7674440
	On-roof under-tile set for 1 collector (incl. brackets and rails) For SOL 250-0	A7713200
	On-roof under-tile set for 2 collectors (incl. brackets and rails) For SOL 250-0	A7716208
	On-roof under-tile supplementary set for one additional collector (incl. brackets and rails) For SOL 250-0	A7713201



AA	Installation accessories: on-roof through-tile	Code
	On-roof through-tile set for 1 collector (incl. brackets and rails) For SOL 250-V, SOL 200-V	A7212852
	On-roof through-tile set for 2 collectors (incl. brackets and rails) For SOL 250-V, SOL 200-V	A7212853
	On-roof through-tile supplementary set for one additional collector (incl. brackets and rails) For SOL 250-V, SOL 200-V	A7212854
	On-roof through-tile set for 1 collector (incl. brackets and rails) For SOL 250-0	A7713198
	On-roof through-tile set for 2 collectors (incl. brackets and rails) For SOL 250-0	A7716207
	On-roof through-tile supplementary set for one additional collector (incl. brackets and rails) For SOL 250-0	A7713199

AA	Accessories for circulation and control	Code
	High-prevalence solar circulating group+ (max 9 m) <b>For SOL 250-V, SOL 250-O, SOL 200-V - Not for Baxi boilers without PWM signals</b>	7221634
	Solar circulating group with controller "Eco+" (sensors included: 1 for tank - 1 for collector) <b>For SOL 250-V, SOL 250-O, SOL 200-V</b>	7221637
	Solar circulating group without electronics+ <b>For SOL 250-V, SOL 250-O, SOL 200-V</b>	7221636
	Solar circulating group with controller "Comfort+" (sensors included: 3 for tank - 1 for collector) Not required with Luna Platinum+ <b>For SOL 250-V, SOL 250-O, SOL 200-V</b>	7677852
	Controller "Eco+" (sensors included: 1 for tank - 1 for collector) <b>For SOL 250-V, SOL 250-O, SOL 200-V</b>	KA00009
	Controller "Comfort+" (sensors included: 1 for tank - 1 for collector) Not required with Luna Platinum+ <b>For SOL 250-V, SOL 250-O, SOL 200-V</b>	7678817
	Temperature sensor for solar controller <b>For SOL 250-V, SOL 250-O, SOL 200-V</b>	LNC 71000004

AA	Other accessories: expansion vessel	Code
	Solar expansion vessel 18 lt <b>For SOL 250-V, SOL 250-O, SOL 200-V</b>	7685387
	Solar expansion vessel 24 lt <b>For SOL 250-V, SOL 250-O, SOL 200-V</b>	7685390
	Solar expansion vessel 35 lt (floor standing) <b>For SOL 250-V, SOL 250-O, SOL 200-V</b>	7685392
	Solar expansion vessel 50 lt (floor standing) <b>For SOL 250-V, SOL 250-O, SOL 200-V</b>	7685393
	Installation kit for expansion vessel (only for 18 lt and 24 lt expansion vessels) <b>For SOL 250-V, SOL 250-O, SOL 200-V</b>	7689920



## Other accessories: electrical resistance

Code



Electrical resistance 1,5 kW  
For **UBTV, UBSI**

LNC 71000036



Electrical resistance 2,3 kW  
For **UBTV, UBSI**

LNC 71000037



Electrical resistance 3,0 kW  
For **UBTV, UBSI**

LNC 71000038



Electric resistance  
For **SB21+ Slim**

7214043