List and features of main components

(A) Thermostatic diverting valve



(C) Pipe union with check valve and filter

The check valve built into the pipe fitting, specially made for solar use, prevents unwelcome circulations and refluxes in case of pressure imbalances. Filters protect the inside works of the diverting valve and of the thermostatic mixing valve against impurities, assuring a long and precise working.

Technical features

Maximum static pressure:	10 bar
Dynamic minimum pressure:	5 bar
Maximum ratio between the pressures:	2:1
Maximum inlet temperature:	constant 100 °C;
·	short time: 120 °C for 20 s
Temperature setting range / Precision:	30 ÷ 65 °C / ± 2 °C
Connections: 3/4" Male (swivel union) Centre distance: 136 mm.	

"T" central connection with adjustable angular position of connections; in some positions it'll be necessary to remove the insulation box.

Available models

1	Small use up to 35 l/min (3 bar):	Kvs 1,2
1	Medium use up to 49 l/min (3 bar):	Kvs 1,7

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	Dimensions		
	Kvs 1,2	Kvs 1,7	
Α	136	136	
В	77	77	
С	74	77	
D	61	64	

scalds in a very short time, particulary to

the childrens. Therefore we recommend to

install a security anti-scald device in the

crucial outlets.

EPP insulation box Measurements: 234 x 128 x 100 mm.

Once the installation finished place the protection cover (we suggest a minimum distance of 100 mm from the pipes axis to the wall to make easy the insertion) and check again the fittingness of the connections together with the indications written on the cover.



SOLAR KIT 1 - THERMOSTATIC SOLAR BOILER CONNECTION KIT

Connection hydraulic scheme





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The temperature setting is done by rotating the knob to put the requested temperature value on the reference notch.

Temperatures at the reference notches:

	MIN	1	2	3	4	5	МАХ
20 0 30 0 34 0 41 0 51 0 63 0 7	26°C	30°C	34°C	41°C	51°C	63°C	~65°C

The above indicated values are related to the following operational conditions: $T_H = 65 \text{ °C}$ $T_C = 15 \text{ °C}$ P = 3 bar The anti-scald function automatically cuts the hot water flow in case of failure of the cold water circuit. This security is operating at a temperature difference of 10 K between the hot water inlet

ANTI-SCALD SAFETY

temperature and the mixed outlet temperature. Check this operation when the installation is running by closing the cold water isolating valve: the outlet flow of the mixed water must come down to zero very quickly.