

We supply all the components required for connecting the Solar Water Heating Panels to the Hot Water System with the exception of the electrical cables and copper pipe work.

Redland Code	Material Description	Product Weight without packaging (kg)	Product Weight with packaging (kg)	Product Dimensions with packaging (mm)
877000	ST 4 SOLAR WATER HEATING PANEL	120	138	2450 x 2440 x 340
877100	ST 6 SOLAR WATER HEATING PANEL	180	207	3440 x 2440 x 340
877400	ST 4 PANEL INSTALLATION PACK	11	11	500 x 1500 x140
877500	ST 6 PANEL INSTALLATION PACK	14	14	500 x 1500 x140
888500	COLLECTOR CONNECTION SET 15MM COPPER	1.1	1.1	190x130x30
888600	COLLECTOR CONNECTION SET 22MM COPPER	1.2	1.2	190x130x30
888700	COLLECTOR CONNECTION SET DN16 FLEX PIPE	0.9	0.9	110x130x30
888800	SOLAR METALFLEX 2 IN 2 DN16 COIL (10M)	7.1	7.4	800x800x210
888900	SOLAR METALFLEX 2 IN 2 DN16 COIL (15M)	10.2	10.5	800x800x210
889000	SOLAR METALFLEX 2 IN 2 DN16 COIL (25M)	14.9	15.2	800x800x200
889100	DN16 MOUNTING BRACKETS PK4	0.55	0.55	190x140x60
889200	RESOL FLOWCON A WITH DELTASOL AX	5.5	6.3	570x240x220
889300	RESOL FLOWCON A WITH DELTASOL BS3	5.5	6.3	570x240x220
889400	RESOL FLOWCON A WITH DELTASOL BS+	5.5	6.3	570x240x220
889500	RESOL FLOWCON B WITH DELTASOL BS3	6.8	7.5	590x320x240
889600	RESOL FLOWCON B WITH BS3 AND AIRSTOP	7.4	8.2	590x320x240
889700	RESOL DFA 2 REMOTE DISPLAY	0.15	0.26	240x160x70
889800	RESOL DATALOGGER DL1	0.8	0.93	230x200x90
889900	IBAIONDO EXPANSION VESSEL PACK (18L)	4.7	5	400x280x280
890000	TYFOCOR LS READYMIX (10L)	n/a liquid in bottle	10.8	200x220x300

### Solar Water Heating Panel

Flat Plate aluminium box with a glass covering, dark in colour to help absorb heat and fully-insulated inside to minimise heat loss. Our panels possess integrated flashings to ensure the weathertightness of our panels (side gutters, upper and lower gutter, front apron flashing).

### Panel Installation Pack

Designed to mechanically fix the panel to the roof. This includes fixing bars, screws, installation instructions and the commissioning documentation.

### Connectors

Enable the connection of both panel pipes (19mm diameter) to the pipe work. Three types of connectors are available: 19mm to 15mm copper pipe, 19mm to 22mm copper pipe and 19mm to DN16 flexible pipe.

### DN16 Flexible Pipe

Enables the heat transfer fluid to run from the panel to the pump and station control. The flexible pipe is pre-lagged and pre-wired with the sensor cable.

3 References: SOLAR METALFLEX 2 IN 2 DN16 COIL (10M), (15M) and (25M).

### Mounting brackets

To fix the DN16 Flexible Pipe to the wall.

1 Reference: DN16 MOUNTING BRACKETS PK4.

### Pumps

Enable the heat transfer fluid to run through the closed circuit.

2 References: RESOL FLOWCON A and RESOL FLOWCON BS.

### Control Station

Compares the temperature in different locations within the circuit.

3 References: DELTASOL AX, DELTASOL BS3, DELTASOL BS+.

**Expansion Vessel**

Safety feature to enable the circuit to deal with temperature variation. Supplied with bracket & connection set.  
1 Reference: IBAIONDO EXPANSION VESSEL PACK (18L)

**Remote Display**

Displays temperatures and other operating functions. Only compatible with DELTASOL BS+.  
1 Reference: RESOL DFA 2 REMOTE DISPLAY

**Datalogger**

Records data for analysis purposes. Only compatible with DELTASOL BS+.  
1 Reference: RESOL DATALOGGER DL1

**Antifreeze solution**

Tyfocor LS is a ready to use, vaporization-safe, special heating medium. It has been designed as a heating medium for solar heating systems. This solution, which must not be diluted with water, is capable of high thermal stress. It can cope with temperatures as low as -28°C.  
1 Reference: TYFOCOR LS READYMIX (10L).

Last Update: 3.11.2008