

Riomay®'s market leading panel

Riomay® offers two solar panels which target the full range of installations from Europe's largest thermal array through to single domestic dwellings. The flagship Riomay® panels are peerless in their energy output and versatility. They can be installed flat or on a pitch of roof or vertically on a wall. Riomay® offers a full turn key service from feasibility and design through to installation and commissioning or can offer its market leading panels on a supply basis.

Solar Collector Specifications for the Riomay® DF120

Collector Dimensions (mm)	2905 x 860 x 150
Ø	120mm
Nº of Tubes	6
Collector Weight (Empty)	60kg
Collector Weight (Full)	62kg
Gross Area (m ²)	2.498
Net Aperture Area (m ²)	1.799
Net Absorber Area (m ²)	1.715
SPF kWh per annum	1597
UK kWh per annum	1365
SPF kWh per m ² /pa	888
UK kWh per m ² /pa	759
Zero Loss Efficiency of the Panels	0.794
Heat Loss Coefficient of the Panels	1.02
Gas CO ₂ displacement per year	259.35kg
Electricity displacement per year	586.95kg
DF120-6 conforms to:	DIN EN12975-1:2006-6 2:2006-6

(Solar Keymark) registrations N°:

011-7S684 R

Solar Collector Specifications for the Riomay® DF100

Collector Dimensions (mm)	2206 x 720 x 135
Ø	100mm
Nº of Tubes	6
Collector Weight (Empty)	40kg
Collector Weight (Full)	42kg
Gross Area (m ²)	1.584
Net Aperture Area (m ²)	1.114
Net Absorber Area (m ²)	1.069
SPF kWh per annum	949
UK kWh per annum	810
SPF kWh per m ² /pa	852
UK kWh per m ² /pa	692
Zero Loss Efficiency of the Panels	0.792
Heat Loss Coefficient of the Panels	1.62
Gas CO ₂ displacement per year	153.9kg
Electricity displacement per year	348.3kg
DF120-6 conforms to:	DIN EN12975-1:2006-6 2:2006-6

(Solar Keymark) registrations N°:

011-7S225 R



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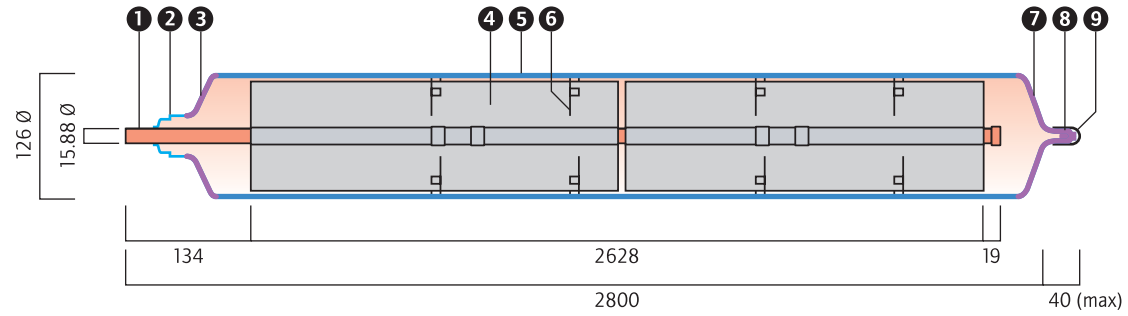
www.riomay.com

*Based on independent testing at SPF laboratories in Rapperswil, Switzerland.
Test reports & Solar Keymark Certificate available by request.*



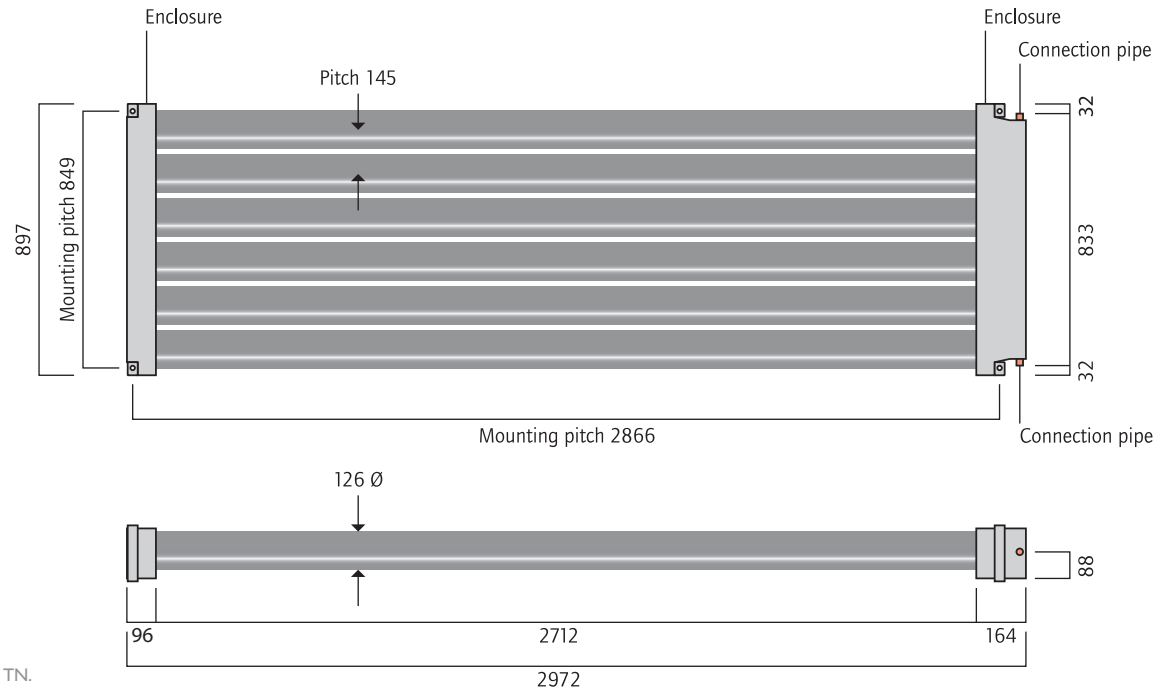
SUNTUBE STRUCTURE

- 1 Copper tube
- 2 Sealing metal
- 3 Glass cap
- 4 Absorber plate
- 5 Glass tube
- 6 Retainer
- 7 Glass cap
- 8 Exhaust tube
- 9 Rubber cap



SUNTUBE MODULE

Scale approx. 1 : 25
All measurements: mm



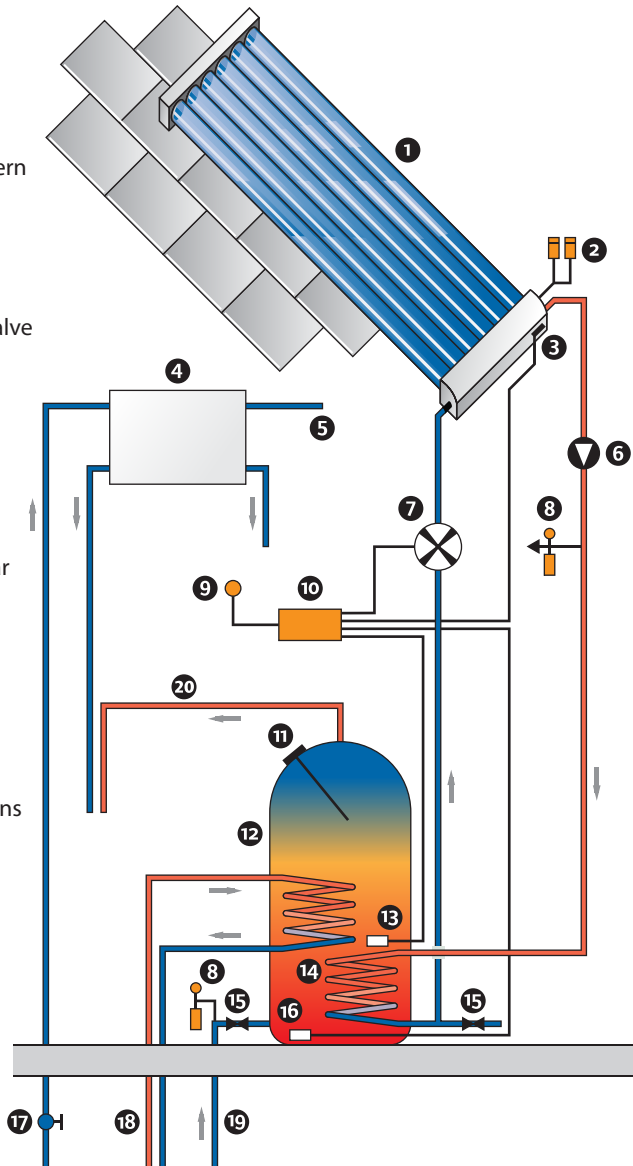
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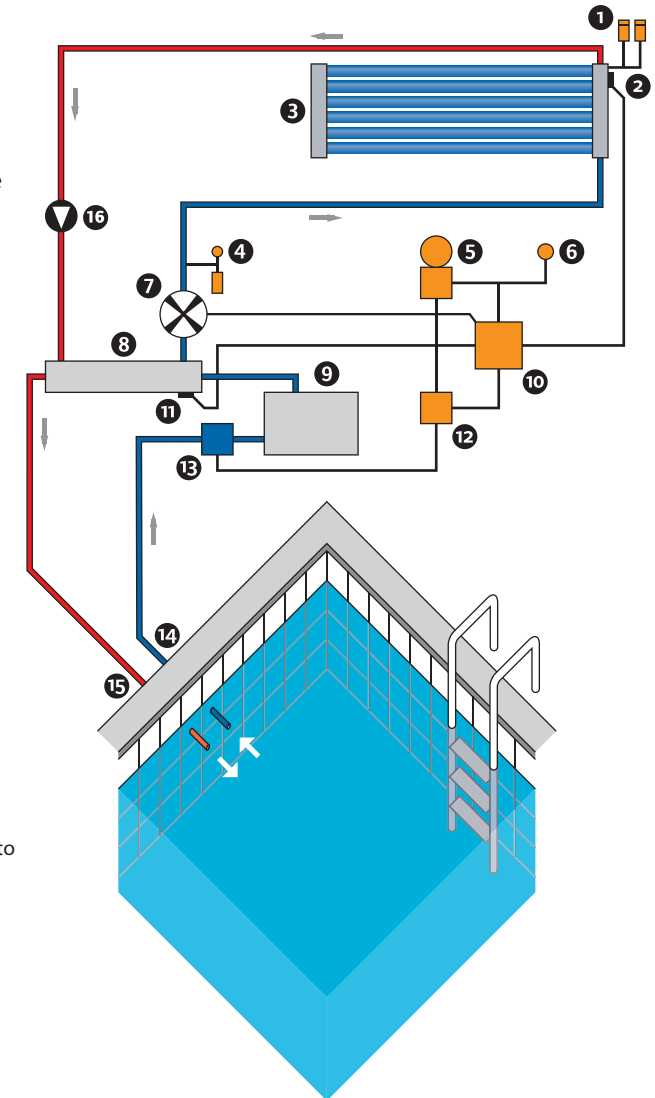
INDIRECT PRESSURISED SOLAR SYSTEM WITH TWIN COIL SOLAR CYLINDER

- 1 Suntube solar collector
- 2 Automatic air vent and pressure relief valve
- 3 High sensor
- 4 Existing cold water cistern
- 5 Existing overflow
- 6 One-way valve
- 7 Solar circulating pump
- 8 Pressure vessel, relief valve and gauge
- 9 Power supply
- 10 Solar controller
- 11 Immersion heater and thermostat (optional)
- 12 Twin coil insulated solar cylinder
- 13 Auxiliary sensor
- 14 Solar coil
- 15 Drain cock
- 16 Low sensor
- 17 Existing stopcock – mains cold water
- 18 To existing boiler
- 19 Mains in
- 20 Hot water to taps



INDIRECT SOLAR HEATING SYSTEM TO SWIMMING POOL USING EXISTING FILTRATION PLANT

- 1 Automatic air vent and pressure relief valve
- 2 High sensor
- 3 Suntube solar collector
- 4 Pressure vessel, relief valve and gauge
- 5 Time clock
- 6 Power supply
- 7 Solar circulating pump
- 8 Heat exchanger
- 9 Filtration
- 10 Solar controller
- 11 Low sensor
- 12 Relay
- 13 Filtration pump
- 14 From pool
- 15 Return to pool
- 16 One-way valve



NB: One solar panel is shown here for diagrammatic purposes. More than one panel would be required to heat an average swimming pool.