



# SOLAR WATER HEATERS

*Product Overview*

*Merloni TermoSanitari (India) Ltd.*

*Pune*





## ***Merloni TermoSanitari Spa – Italy***

- *World leaders in Water Heaters*
- *19 brands*
- *18 manufacturing units worldwide*
- *Global presence in 150 countries.*

## ***Company Profile***

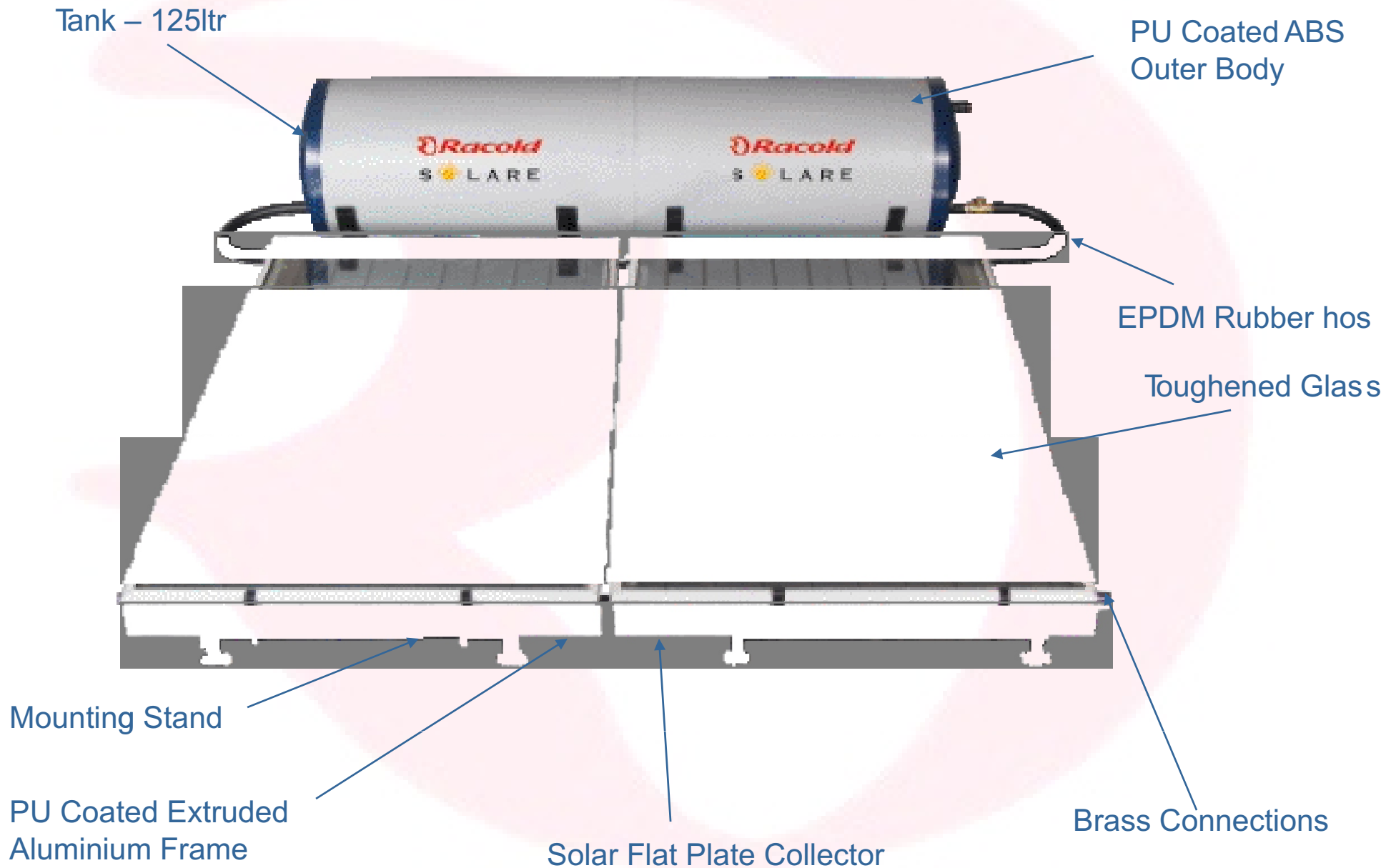
### ***Merloni TermoSanitari (India) Ltd***

- *Fully owned subsidiary*
- *Largest manufacturer & seller / exporters of water heaters*
- *Racold as its flagship brand*

## Solar Water Heater – 125Ltr



## Solar Water Heater System – 250 Ltr



## *Advantage Racold*

### *Solar Tank*

- **ABS Outer Body with PU Coating:**
  - *Rust Proof*
  - Offers better Heat Retention
  - *UV Resistant and durable*





## *Advantage Racold*

### *Solar Tank*

- *Injected PUF with Optimum Thickness and Critical Density:*
  - Better thermal insulation.
  - *Higher Heat Retention.*
  - More strength and durability



## *Advantage Racold*

### Solar Tank

- *Inner Container SS-304L Duronox Container:*
  - *Automatic Plasma-TIG welding for flawless and corrosion resistant joints*
  - *Specially treated for enhanced protection in bad water areas*
  - *High pressure withstanding capacity of 4.5bar*

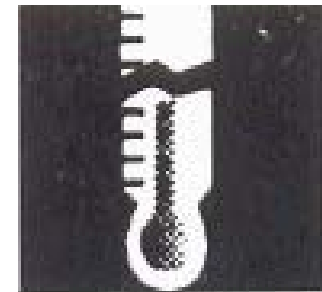


INNER  
CONTAINER

## *Advantage Racold*

### *Solar Tank*

- *Built in Electrical Backup:*
  - *Racold Heating element with 99.9% pure copper*
  - *Italian Thermostat for reliable operation*



ITALIAN  
THERMOSTAT  
& CUTOUT



## *Advantage Racold*

### *Solar Flat Plate Collector*

- *Aluminium Frame – Italian Design:*
  - *Screwless construction - specially designed for complete protection against water leakage.*
  - *Strong Aluminum frame of 7.5 kg weight for enhanced strength and reliability.*



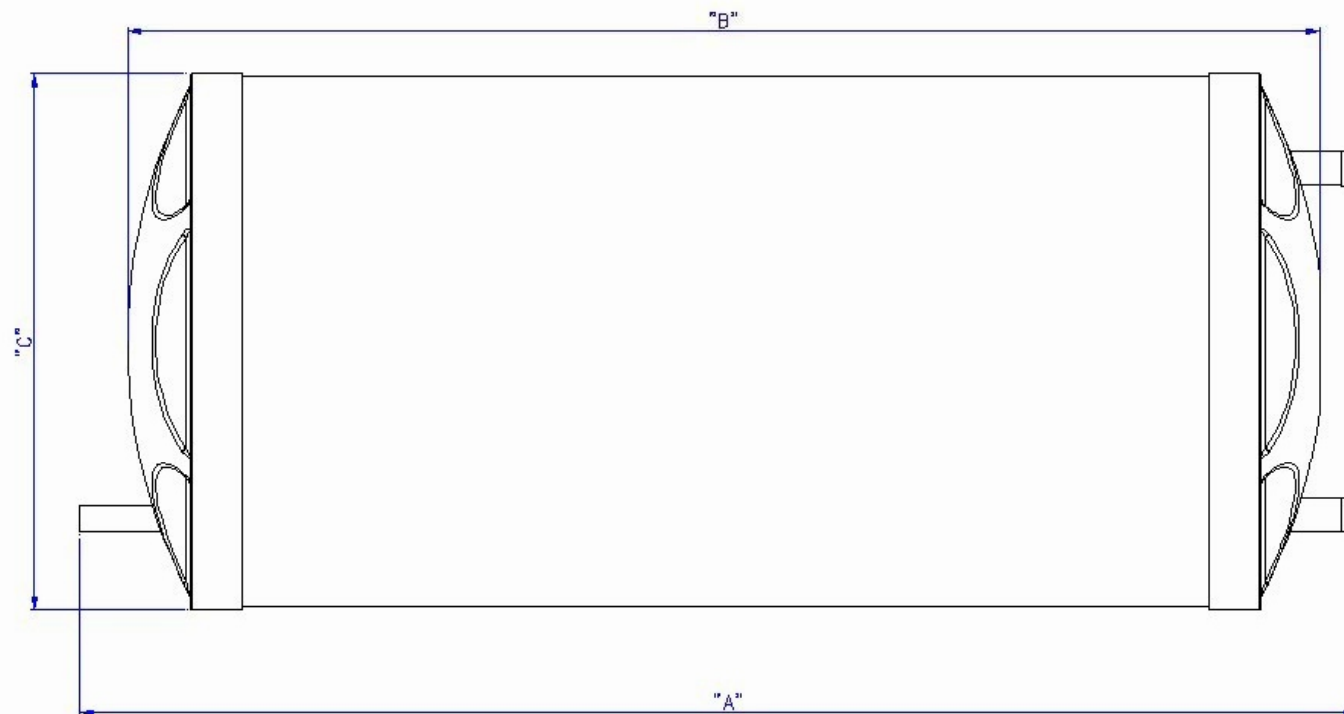


## ***Advantage Racold***

- Italian Design; specially designed for complete protection against water leakage.
- Strong Aluminum frame of 7.5 kg weight for enhanced strength and reliability.
- Stringent Quality tests
  - Every collector is tested at hydraulic pressure of 7 bar – 100psi
  - All collectors are 100% tested for water penetration / leakage
- Aluminum back sheet – stucco finish 0.7mm thick
- Toughened glass 4mm thick
- Absorber – Selective black chrome with nickel undercoat.
- Larger collector area – 2091 x 1069 x 100mm
- Long life and consistent performance
- Strong mounting stand –structural steel with PU coating

# TANK – SOLAR WATER HEATER

## Dimensions



MODEL	"A"	"B"	"C"
100L	1031	948	ø512
125L	1219	1138	ø512
200L	1812	1728	ø512
250L	2167	2084	ø512
375L	1502	1489	ø730.5
500L	1922	1909	ø730.5

# SPECIFICATIONS – SOLAR WATER HEATER

## Technical specification for Solar Water Heater

Sr. No.	Feature	Specification
<b>Tank &amp; Accesories for Solar Water Heater</b>		
1	Capacity	125, 250, 375 & 500 ltr
2	Inner Container	SS-304L, with special treatment for long life
3	Insulation	Injected PUF Insulation 45 mm thk
4	Outer Body	Plastic - ABS Material with PU Coating - Rustproof outer body
5	Electrical backup	Available
6	Heating Element	2kw, copper tubular element
7	Thermostat	Available, Italian stem type thermostat cum cutout
8	Cutout	Available, Italian stem type thermostat cum cutout
9	Airrelease valve	Available, set to operate at 10 bar
10	Mounting Stand	PU painted structural steel
11	Power chord	Available
12	Colour	Light grey cylinder with blue caps

# SPECIFICATIONS – SOLAR WATER HEATER

Solar Flat Plate Collector		
15	Type of absorber	Selective Black chrome with Nickel Undercoat - Patented Tech
16	No. of Risers	9 risers
17	Riser Tube	Copper tube dia 12.5mm x 0.55mm thk.
18	Fin Material	Copper 0.19 mm thick
19	Header Tube	Copper tube dia 25.4 mm x 0.72mm thk
20	Size of collector	2091 X 1069 X 100mm
21	Glass	Toughened glass 4mm thick
22	Transmittance of glass	Available upto 91%
23	Solar Absorptivity	0.966
24	Solar Emmissivity	0.12
25	Frame Material	Extruded Aluminium section 1.8mm thick.
26	Finish of Frame	PU Powder coating on Anodised Extruded Aluminium frame
27	Back sheet	Aluminium sheet 0.7 mm thick with stucco finish - scratchproof
28	Insulation	Glasswool and Rockwool
29	Insulation Thickness	Back Insulation - 50mm thick, Side Insulation - 25mm thick
30	Dry Weight	50kg
31	End Connections	Free / Brass serrated couplings dia 25mm
32	Hardware	Stainless Steel
33	Back Al. reflector	Aluminium reflector foil - 50 micron thick
34	Side Al reflector	Aluminium reflector foil - 100 micron thick
35	Testing Pressure	6 bar



*Thankyou*

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