

REBORN
EVERY DAY
WITH HOT
WATER



Commercial Solar Water Heaters

One Time Investment,
Lifetime Savings!

About us

ARISTON THERMO GROUP

Ariston Thermo is a global leading company in the water heating and heating industry.

The Group develops and provides solutions based on renewable energy sources, such as solar thermal systems and heat pumps, through a continuous investment in innovation for the development of increasingly advanced connectivity systems. In 2018, the Group recorded a turnover of 1.61 billion and sold 8 million products in over 150 countries, with 6.800 employees, 66 operating companies and 5 representative offices in 40 countries, 27 production sites in 15 countries and 23 centres of competences and R&D in 14 countries. The Group offers a full range of products, systems and services, mostly under the brands Ariston, Elco, Chaffoteaux, Atag, Racold, NTI and HTP. The goal of Ariston Thermo is to look at the future of thermic comfort, offering an optimal combination of quality, energy savings and care for the environment.

RACOLD

Racold brand is India's largest water heating solutions provider. Delighting customers by providing water heating solutions with a customer-centric approach.

Racold's electric water heaters are energy-efficient, innovative and best-in-class for storage and instant water heating solutions. Racold offers end-to-end solar water heating solutions to suit specific requirements in different markets. It provides customized solutions for industrial, residential, healthcare, educational and special applications. It also offers gas water heating solutions and heat pump water heaters.

The Racold brand is licensed to Ariston Thermo India Private Ltd. which is responsible for marketing, sales and service of "Racold" products in India.

For further information, log on to www.racold.com and <http://www.aristonthermo.com/en/>.



WHAT IS COMMERCIAL SOLAR WATER HEATER?

Corporate Social Responsibility translates into going green. Using renewable energy sources is a big leap towards leaving a smaller footprint.

COMMERCIAL SOLAR WATER HEATER

Our expertise is to provide end-to-end water heating solutions for commercial applications. We have done successful projects for Residential, Hospitality, Medical & Healthcare, Educational Institutes and Industrial Sectors etc.

Racold renewable water heating solutions are available in Evacuated Tube Collectors and Flat Plate Collectors.

Evacuated Tube Collector (ETC)

The Evacuated Tube Collector consists of a number of rows of parallel transparent glass tubes connected to a header pipe, which is connected to a tank. These glass tubes are cylindrical in shape and more efficient as they extract heat even in low sunlight conditions.



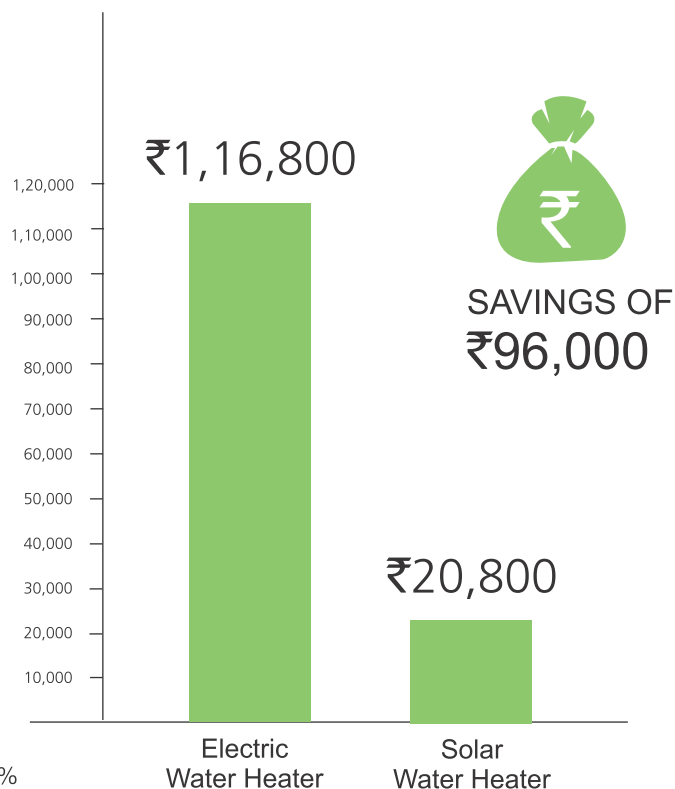
Flat Plate Collector (FPC)

In a Flat Plate Collector, sunlight passes through the outer glass plate covering and strikes the absorber plate, which heats up, converting solar energy into heat energy. Thus the heat is transferred to water passing through pipes attached to the absorber plate by means of convective heat transfer. Flat plate collectors are long-lasting and cheaper in the long run.



ANNUAL SAVING WITH SOLAR WATER HEATER

By using solar water heaters, cost can be saved up to 80%



HOW DOES IT WORK?

Natural Circulation

Suitable for domestic applications where hot water requirements are limited and maintaining exact temperature is not imperative. It operates on the principle that hot water has lower density than cold water and thus has a tendency to rise. Due to this natural phenomenon, the water circulates from the solar collector to the inner container by natural convection. This is available with both Evacuated Tube and Flat Plate Collectors.

Forced Circulation

This system has greater control on water and temperature output and is thus ideal for commercial and industrial establishments where hot water consumption is high. Here, water is pumped from the collector to the inner container once it achieves the set temperature. This is available with both Evacuated Tube and Flat Plate Collectors.

Indirect Heating Type

Ideally suited for hard water areas, this system has provision for a heat exchanger. Solar radiation heats the thermic fluid in the collector and once it achieves the set temperature, it is pumped from the collector to the heat exchanger. This heat is transferred to the utility water through this heat exchanger.

Value-Adds



Site Survey

A site visit to thoroughly conduct a technical feasibility study to ascertain the precise requirement is mandatory for ensuring the proper design as-well-as smooth execution of the project.



System Design & Engineering

Based on findings of our technical feasibility study, we then fully customize the renewable hot water solution, which will result in optimal performance.



Layout Planning

Next, the design of the detailed process is presented to our client in 2D/3D layouts, shadow simulation and instrumentation plan.



Consultancy

We provide expert consultancy with regard to any type of renewable water heating solutions for hot water, for existing or new clients or projects.



Turnkey Projects

We are experts at executing turnkey projects for Solar Water Heating Solutions, heat pumps or hybrid solutions with a combination of both heat pumps and solar water heating solutions as per the demand of the situation.



AMC

Our Annual Maintenance Contract assures you of our best service for the maintenance and upkeep of your renewable hot water solution, always.

'We ensure service post installation of the product. Our service offerings include annual maintenance contract, descaling, plumbing maintenance, spare part replacement and tank cleaning'.





THE Racold Advantage



Dedicated team of Racold engineers, right from need identification to project completion.



Racold's Flat Plate Collector comes with a unique Italian design. This includes (a) Screwless Construction (b) Box Type Structure (c) Textured Toughened Glass.



Flat Plate Collector is
(a) Durable (b) Consistent in Performance
(c) High in efficiency, throughout the lifespan of the product.



Racold offers customized tanks to suit tailor-made requirements. Capacity can be availed starting from 100 Liters Per Day to any capacity as per your need.



Racold's Evacuated Tube Collector offers high energy-efficient tubes in line with international standards and norms.



REAL ESTATE



Life Republic

Location - Pune
Total Installed Capacity - 2,19,400 LPD
Electricity Saved - 26,78,720 kWh
Carbon Emission Reduced - 2,300 Tons

Army Welfare Housing Organization

Location - Bangalore
Total Installed Capacity - 2,32,000 LPD
Electricity Saved - 28,32,558 kWh
Carbon Emission Reduced - 2,432 Tons

Bramha Suncity

Location - Pune
Total Installed Capacity - 20,400 LPD
Electricity Saved - 1,77,700 kWh
Carbon Emission Reduced - 152 Tons

HOSPITALITY



Hotel Dreamland

Location - Mahabaleshwar
Total Installed Capacity - 6000 LPD
Electricity Saved - 66,000 kWh
Carbon Emission Reduced - 57 Tons

Ananda in Himalayas

Location - Uttarakhand
Total Installed Capacity - 250 Kw
Diesel Saved - 152,448 Liter
Carbon Emission Reduced - 408 Tons

Hyatt

Location - Pune
Total Installed Capacity - 125 Kw
Electricity Saved - 55,000 kWh
Carbon Emission Reduced - 204 Tons

HOSPITALS



Lakeshore Hospital

Location - Cochin
Total Installed Capacity - 352 Kw
Electricity Saved - 2154022 kWh
Carbon Emission Reduced - 1960 Tons

West Bengal Hospital

Location - Across West Bengal
Total Installed Capacity - 58,000 LPD
Electricity Saved - 8,70,000 kWh
Carbon Emission Reduced - 870 Tons

Zydus Hospital

Location - Ahmedabad
Total Installed Capacity - 15,000 LPD
Electricity Saved - 1,09,883 kWh
Carbon Emission Reduced - 94 Tons

Shetty Hospital

Location- Udupi
Total Installed Capacity - 176 Kw
Electricity saved- 150002 kWh

EDUCATIONAL INST.



Sinhgad Technical Institute

Location - Pune
Total Installed Capacity - 1,00,000 LPD
Electricity Saved - 12,20,930 kWh
Carbon Emission Reduced - 1,480 Tons

Symbiosis

Location - Hyderabad
Total Installed Capacity - 20,000 LPD
Electricity Saved - 2,20,000 kWh
Carbon Emission Reduced - 209 Tons

IIT Mumbai

Location - Mumbai
Total Installed Capacity - 21Kwh + 33,000 LPD
Electricity Saved - 1,33,000 kWh
Carbon Emission Reduced - 134 Tons

MANUFACTURING



Croda Chemicals

Location - Navi Mumbai
Total Installed Capacity - 25,000 LPD
Electricity Saved - 3,05,232 kWh
Carbon Emission Reduced - 262 Tons

Bekaert Mukand Wire Industries

Location - MIDC, Lonand, Tal. Khandala
Total Installed Capacity - 10,000 LPD
Electricity Saved - 1,22,092 kWh
Carbon Emission Reduced - 104 Tons

L'Oreal

Location - Pune
Total Installed Capacity - 32,000 LPD
Electricity Saved - 3,90,697 kWh
Carbon Emission Reduced - 335 Tons



REBORN EVERY DAY WITH HOT WATER

The latest range of water heaters reborn
with leading-edge technology and innovative features.



After-sales service

Racold leads the way in service support with:

- Nationwide service technicians with over 210 service centres
- Use of genuine Racold spare parts

Racold is a registered trademark of Ariston Thermo Spa, Italy.



Customer Care: 1860 425 2288



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