

FiiDO THERM

Heat Pump Water Heater



Hot water made easy

with **FiiDO THERM**

Product from:



Sudarshan Saur®

What is Heat Pump Water Heater?

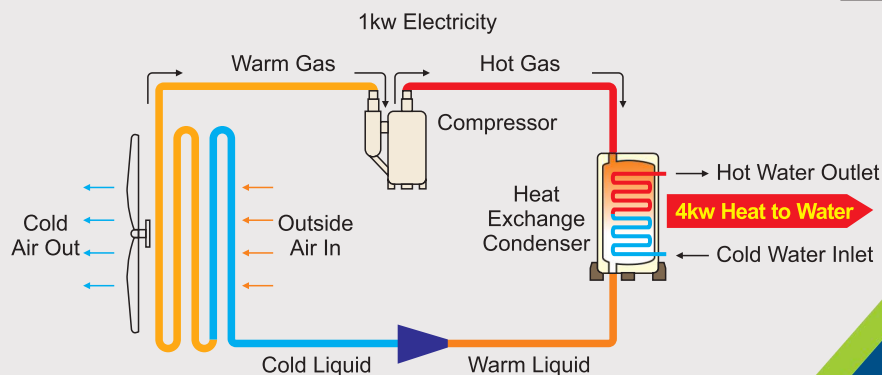
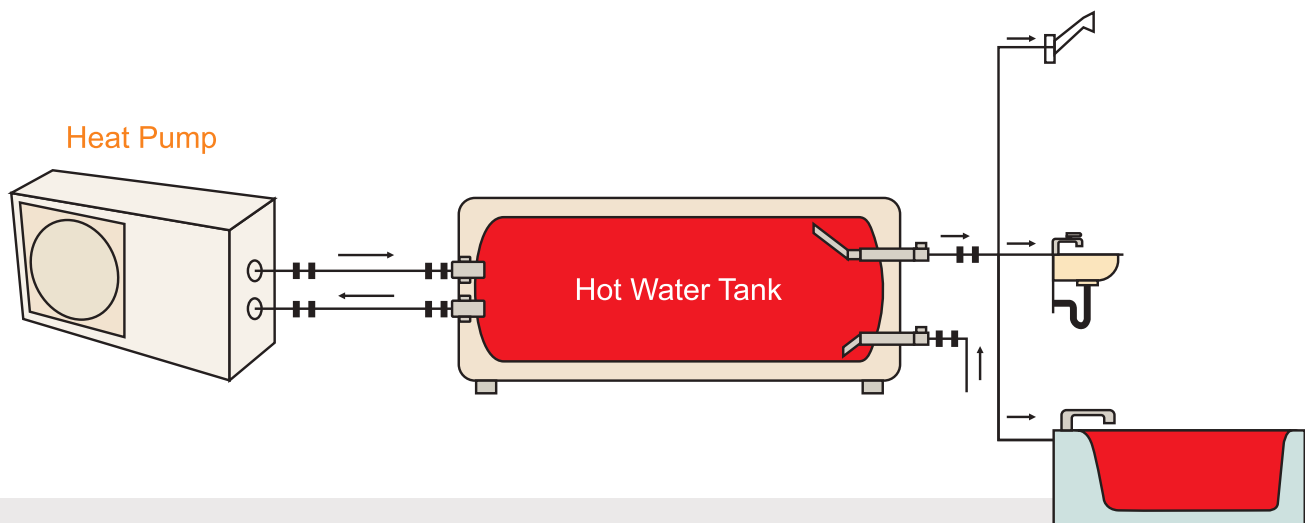
Heat pump water heater is a device which provides hot water for domestic and commercial use. This gives uninterrupted flow of hot water with minimum input energy.

It uses heat from air as a primary source and electricity to drive compressor in combination. As major source of heat comes from air it works with minimum consumption of electricity.

As it consumes only 25% energy compare to traditional heaters, it is called as heat pump water heater.

How it works?

Heat pump water heater applies the principle of thermodynamics to absorb the heat energy from the environment and transfer it to the water. This heat energy is then used to increase the temperatures of the water until it comes to desirable temperature.





High co-efficient

This gives more energy output.



Energy efficient

Saves electricity consumption.



Safety

Ensures safety of adults and children against shock.



Comfort

It easily delivers 24x7 hot water into your bathrooms.



Minimum space

Require minimum space for installation



Seasons

Is suitable for all kinds of weather conditions.



Defrost system

It has a unique defrosting system that makes it usable in cold regions.



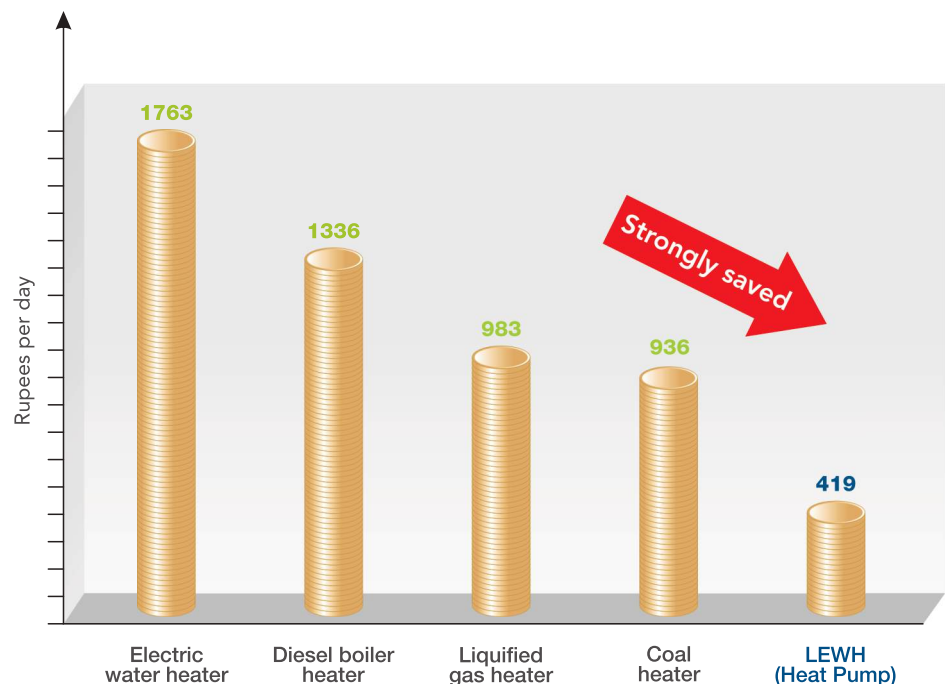
Environmental protection

It is green device and has minimum impact on environment

Benefits of Heat Pump Water Heater?

Cost effective

Water in (Ltr)	4000
ΔT ($^{\circ}C$)	40



Product Range

Domestic Heat Pump



- Up to 2 thousand liters per day
- Temperature up to 60°Celsius, up to 4 Co-efficient of performance
- High efficiency heat exchanger, intelligent control
- Easy installation & maintenance
- In built circulating pump



- From 2 thousand liters per day and above
- Temperature up to 60°Celsius, up to 6 Co-efficient of performance
- High efficiency heat exchanger, intelligent control
- Easy installation & maintenance
- Durable and stable running

Commercial Heat Pump

Space Heating & Cooling Heat Pump



- Up to 500 Sq.ft to 2000 Sq.ft carpet area.
- Room heating temperature up to 40 Degrees C
- Room cooling temperature up to 16 Degrees C
- Option to combine with Domestic Hot Water System
- High-efficiency heat exchanger, intelligent control
- Easy installation & maintenance



- Hybrid system integration
- Maximise energy efficiency and Ensure reliable hot water supply
- Priority for solar water heating
- High efficiency heat exchanger
- Intelligent control
- Easy installation
- Durable and stable running

Hybrid Heat Pump with Solar Water Heater

Swimming Pool Heat Pump



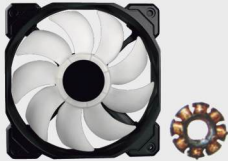
- From 10 thousand to 20 lakh liters per day
- High efficiency titanium heat exchanger, intelligent control
- Automating defrosting
- Eco-friendly
- Intelligent control, top quality compressor
- Temperature up to 32°Celsius
- Best solution for swimming pool heating
- Power off memory



- Up to 50 thousand liters per day
- Temp. up to 90°Celsius
- High Co-efficient of performance
- High efficiency heat exchange
- Eco-friendly
- Intelligent control
- Super energy saving

Industrial Heat Pump

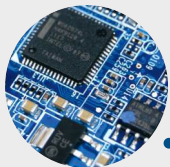
What makes us different from others?



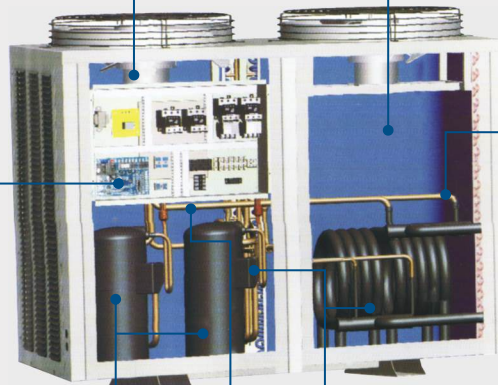
High-performance Fan



Hydrophilic fin coil heat exchanger



Intelligent PCB with high voltage / current protection



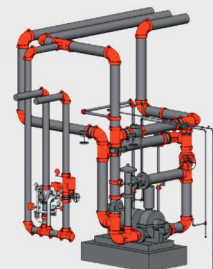
Tube in tube or plate heat exchanger



International standard brand Japanese / American compressor



EEV for precise flow control



Internal copper pipe system design

What's inside our unique hotwater storage tank?

Special Glassline Coated Tank

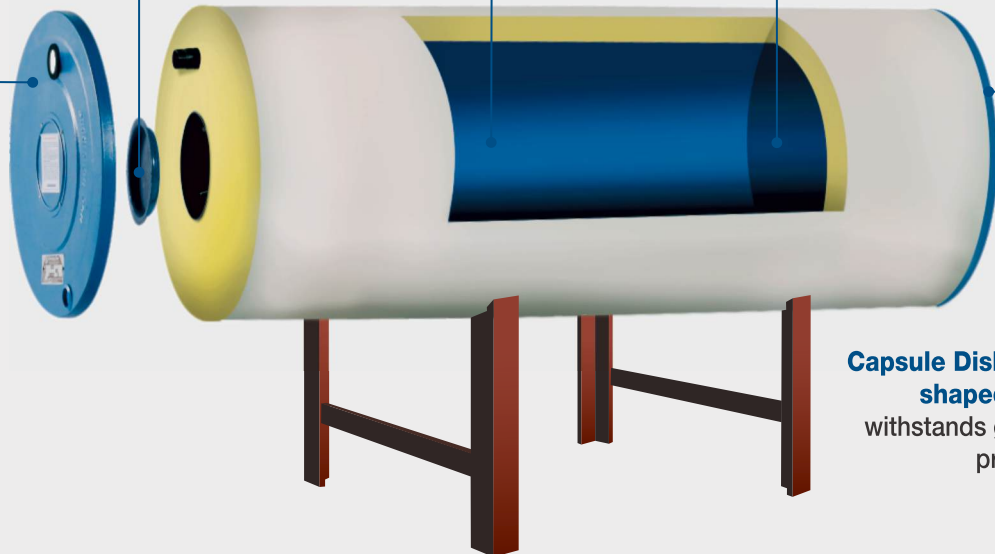


Double Access Doors
make it possible to
clean the tank

Crystal Blue Glass Lining
prevents any impurities
from sticking to the tank

**High-pressure
High-density PUF
Insulation**
keeps water warm
for longer

**Metallic
Outer Cover**
helps withstand
all weather
conditions



**Capsule Dish-end-
shaped Tank**
withstands greater
pressure

Our Manufacturing Facility



Domestic Heat Pump Installation



Commercial and Hybrid System Installation



Applications



Hotels



Hospitals



Process Industries



Commercial



Feed Boiler



Apartments



Offices



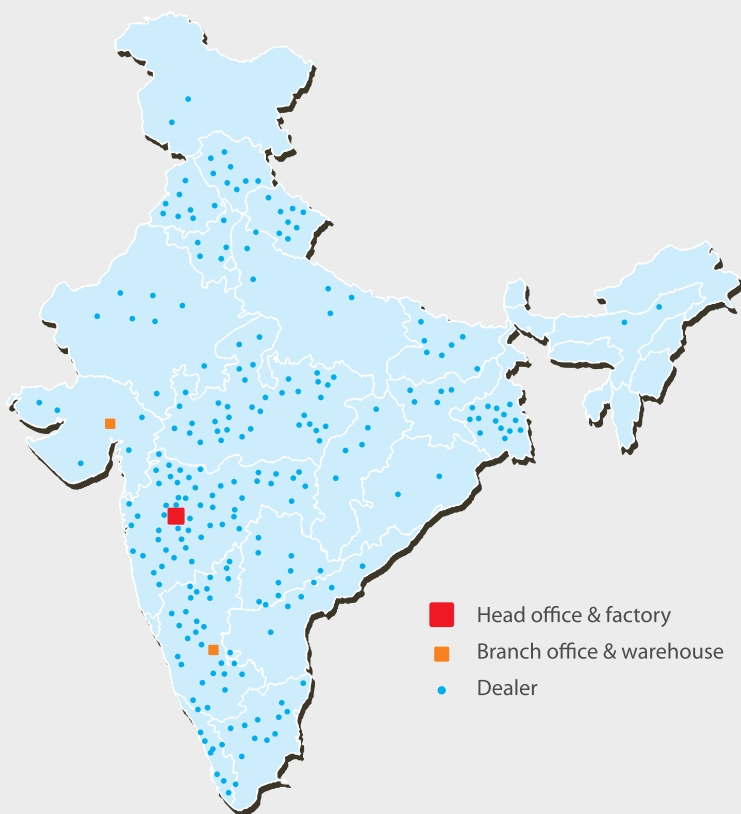
Resorts



Swimming pool



Spa



How do we help you save the environment?

- Using conventional power generation boilers involves burning of coal and fossil fuels, which is harmful to the environment.
- CO₂ emissions are lessened and global warming is reduced.
- Coal, fossil fuels and other natural resources are conserved.
- Thus, it is a massive step towards a greener planet and the betterment of mankind

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