



Rising with the sun...

STAINLESS STEEL TANKS
SOLAR WATER HEATERS
HEAT PUMPS
WATER MANAGEMENT SOLUTIONS



www.sunstellar.in



STAINLESS STEEL WATER TANKS SOLAR WATER HEATERS HEAT PUMPS

ABOUT US

We at Sun Stellar Pride ourselves in delivering innovative, high performing and competitive products and services in the area of Solar Thermal, Stainless Steel Water Storage Solutions, Sustainable Hot Water Solutions and Complete Water Management Solutions. With the team of technocrats and continuous R&D we have always been one step ahead. We have made our mark with excellent quality control and commitment to our customers and channel partners.

Our record of achieving, surviving, and striving to be the best while meeting the demands of our customers is the key to our reputation today. We're attempting to construct a dream home for our clientele.

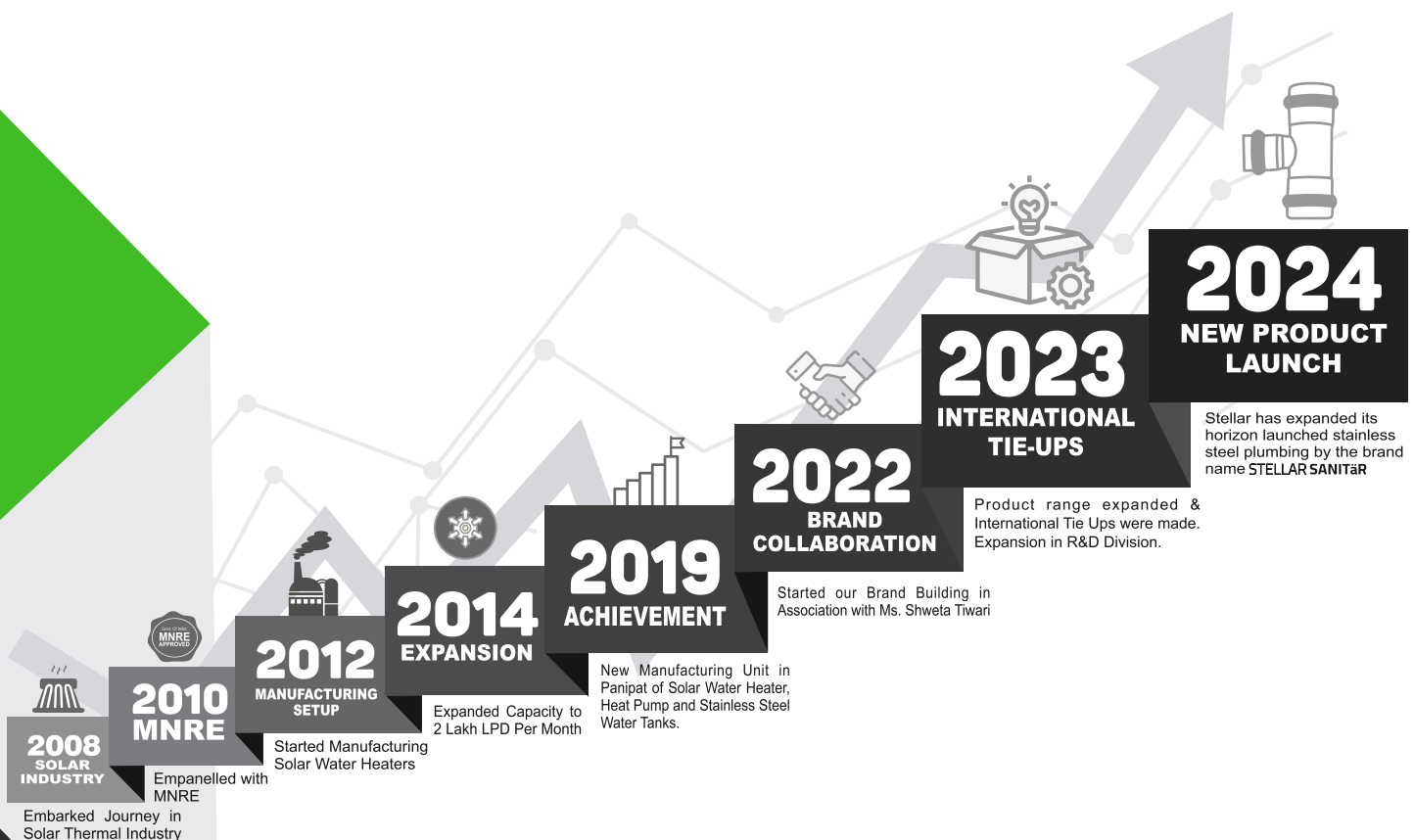
OUR VISION

The vision of our company builds on a long-standing narrative behind our Environment Changing philosophy in line with our Corporate Strapline of change for the Betterment of tomorrow. To be a leader in businesses that helps our fellow Indians enrich their lives and contribute to nations growth through a sustainable value creation.

OUR MISSION

Helping our customers adopt a way of living with minimum energy foot print and maximum Health benefits with the use of renewable energy, energy saving devices and plastic free water storage Products. Passionately strive to enrich our consumer's a quality life.

OUR JOURNEY



WHY CHOOSE SUN STELLAR?

We are working with new energy and endeavours to unlock exceptional values for our customers. We take pride in manufacturing India's most Sustainable product portfolio for every home under one roof. The company has always been technologically advanced, solution focused, driven by strong passion for environmental and social contribution, combined with high creativity and integrity. We believe in maintaining ecological equilibrium and are committed towards manufacturing energy saving products. Sun Stellar is pioneer in bringing the revolutionary services in,

- Renewable Energy Products
- Energy-Saving Devices
- Plastic-Free Water Storage Products
- Sustainable Hot Water Solutions
- Water Management Systems
- SS Plumbing Systems



CERTIFICATIONS

Sun Stellar has received the highest level of certifications in the industry for its products. Each of its products are a result of intensive research and represents cutting-edge technology.

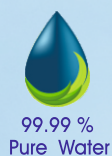


GROUP CLIENTELE





**PRESERVE
YOUR WATER,
SAFE GUARD
YOUR HEALTH**



**Maintains
Water
Temperature**



STAINLESS STEEL FOR LIFE

For decades, Stainless Steel has been used as a trusted material for almost everything around us.



**PHARMACEUTICAL
INDUSTRY**



**DAIRY AND MILK
PROCESSING**



**CUTLERY AND
KITCHENWARE**



**FOOD PROCESSING
INDUSTRY**



**RAIL AND
METRO**



**DENTAL
REQUIREMENT**



**SURGICAL
TOOLS**



**POWER
GENERATION**

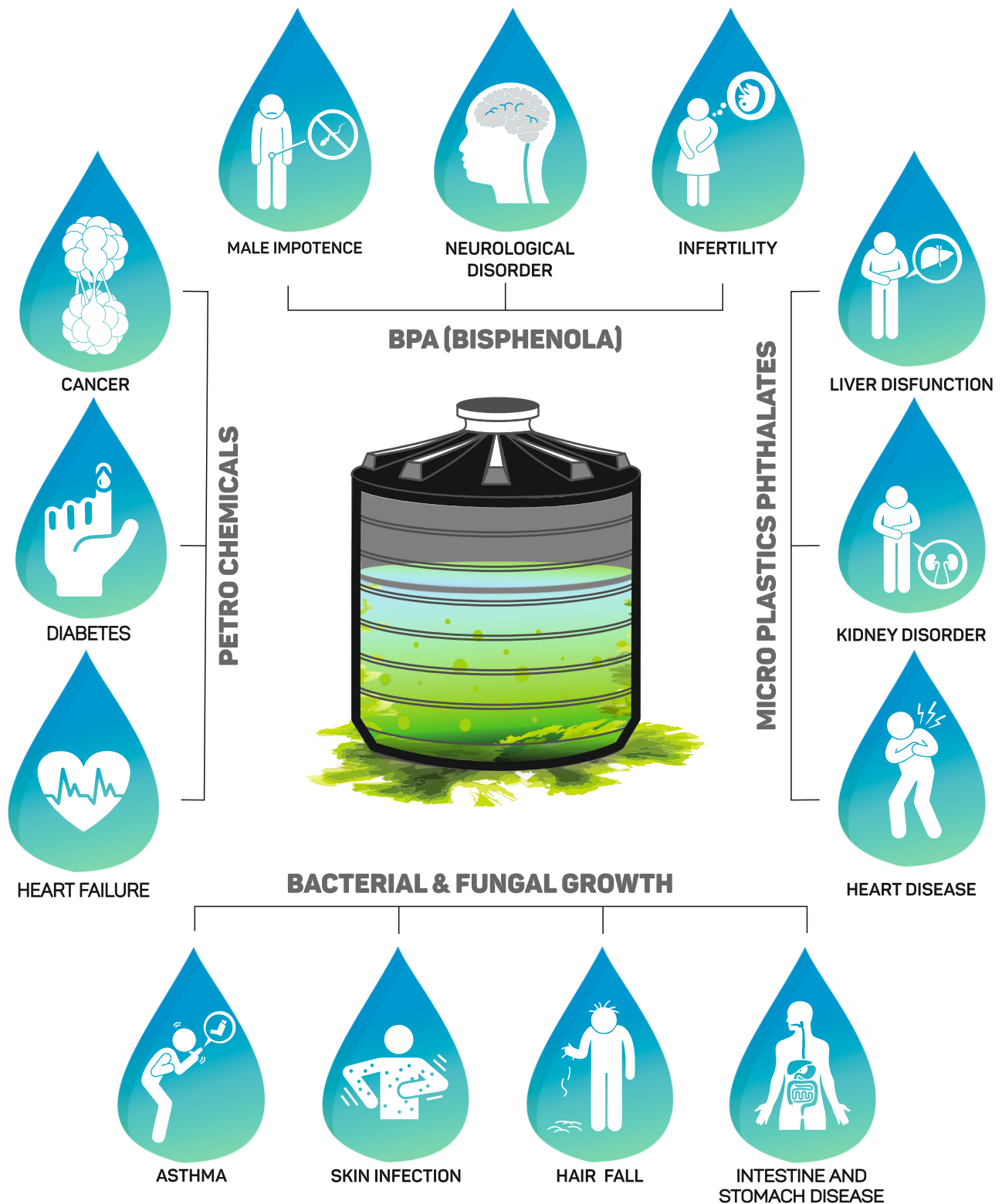


BONE CAP

STAINLESS STEEL
A CONTEMPORARY SOLUTION FOR WATER STORAGE!!

PLASTIC TANKS ARE HAZARDOUS

AS PER VARIOUS RESEARCHES CARRIED OUT BY:



ADDING A STELLAR TOUCH FOR A **HEALTHY & BETTER** Today & Tomorrow



**Zero Bacterial/
Fungal Growth**



**Maintains
Temperature**



**Long Life
Zero Maintenance**



**No Chemical
Contamination**



**100% Surgical Grade
Stainless Steel**



100% BPA Free



No Foul Smell



Pure Water
Keeps your body Healthy
& Disease Free

STELLAR **PURE** 5 LAYER TECHNOLOGY



Stellar Pure Water Tanks adopts most prudent – 5 Layers technology with each layer serving a distinct function of its own.

The Inner Layer of the tank which is in contact with the water is made of Either Surgical Grade Stainless Steel – 316 or Titanium Stainless Steel SS 316 Ti ensuring that the water remain in its purest form. Three Layers of Insulations are applied on the inner layer comprising of Climate Control Coating , Nitrile Foam Layer and High Density Polyurethane Foam (PUF) ,these 3 Layers are engineered in a such a way that the water temperature inside the tank doesn't get affected by harsh weather conditions be it chilling winters or extreme hot summer months. The fifth layer of the Tank also called the Cladding layer is made of Stainless Steel 304 Grade which protects all the inner layers from any kind of damage

FEATURES



Inner Tank Available with Surgical Steel SS 316 L , Titanium Steel SS 316 Ti And Super Duplex SS 2205 .



Maintains Temperature of Water . (Outside Temperature : 0 to 50 Degrees C)



Design Life of 15-20 Years and Warranty for 10 Years



Dow Chemical – Best Suited PUF insulation for SS Tanks



Automatic Water Level Controller



Thickness of Inner Tank Options – 0.8 MM , 1.0 MM & 1.5 MM

STELLAR **ULTRA** 7 LAYER TECHNOLOGY



Stellar Ultra is the most contemporary solution for Water Storage. These Water Tanks are engineered with Cutting Edge 7 Layer Technology .Inner Layer of Stellar Ultra Tanks can be selected out of Titanium Steel – SS 316 Ti or Super Duplex SS 2205 or Super Alloy 904 L depending on the Water Quality and Water Source. Five Layers of Insulation are consecrated on the Inner Tank which makes it resistant to the odds of Fire also. Outer Cladding Layer is done with SS 304 which protects all the inner layers from any kind of deterioration.

FEATURES



Inner Tank Available with Surgical Steel SS 316 L , Titanium Steel SS 316 Ti And Super Duplex SS 2205 .



Maintains Temperature of Water . (Outside Temperature : 0 to 50 Degrees C)



Fire Proof Insulation Layer



Dow Chemical – Best Suited PUF insulation for SS Tanks



Automatic Water Level Controller



Thickness of Inner Tank Options – 1.0 MM & 1.5 MM

STELLAR **SOLITAIRE** **CUBICAL** STAINLESS STEEL TANK



Sun Stellar Solitaire Tanks are Customized Cubical Stainless Steel Water Tanks with multiple layers of insulation which can be customized into Cubical or Square Shape. These Tanks can be customized in various sizes. In respect to their shape these tanks are considered to be a perfect aesthetic part of an elevation of a modern architecture. These Cubical tanks are approved by all the architects in terms of blending well with the elevations. These tanks come in various finishes and textures to go with the aesthetics, such as black matt, Chrome gloss and matt finish etc.

Also, these Tanks are Safe for storing drinking water as they are made from FDA approved material. These are Weatherproof, waterproof, moisture proof and perfect rooftop solution. These Water Tanks satisfy relevant Food Sanitation Standards.

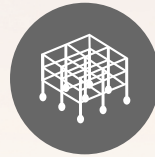
These Tanks are made with advanced manufacturing Technology with minimal welding and reinforced structure to support the tank's inner layer. These Cubical Shape SS Tanks are made of SS 316 L or SS 2205 Grade Material with thickness of 1.5mm, 2mm or up to 5mm to provide longer life and best of hygiene.



FEATURES



These Tanks are inspired from precious Diamonds, thus giving great aesthetic and merge very well with the Elevation of modern architecture.



The Inner Layer of these tanks are reinforced with Steel Tube Structures on all sides, giving these tanks additional strength to hold large volumes of water with minimum welding.



Easy drainage with the help of sloping centre bottom design and selection of heavy gauge Stainless Steel Inner layers makes these tanks long standing.



These tanks are made with most advanced 7 Layer Technology which gives high insulation against both cold and hot weather conditions.



These tanks are 100 % Customised as per Architects requirement in terms of Height and Sizes as per Space Available on site.



The square and cubical shape of the tanks makes it easier to reduce the height of large volume tanks thus making these tanks Vaastu Compliant.

STELLAR **COCOON** **DOUBLE INSULATED** TECHNOLOGY



We are Proud to introduce **First Time in India**
STELLAR COCOON.

A Tank Specially Designed for Extremely Cold Regions where it is difficult to maintain the liquid state of Water during day or more often post sunset.

These Tanks are insulated with a Thick Layer of High Density German Bayer PUF insulation from top , sides and Bottom As well.

This Peculiar Design isolates the water inside the Tank from Freezing Temperatures outside thus making sure that the water doesn't freeze even in Sub Zero Climate Conditions.

FEATURES



Water doesn't freeze upto
-20 Degrees Centigrade



No need for any extra
Insulation or separate
covered area



Design life of over 20 Years
and Warranty for 10 Years



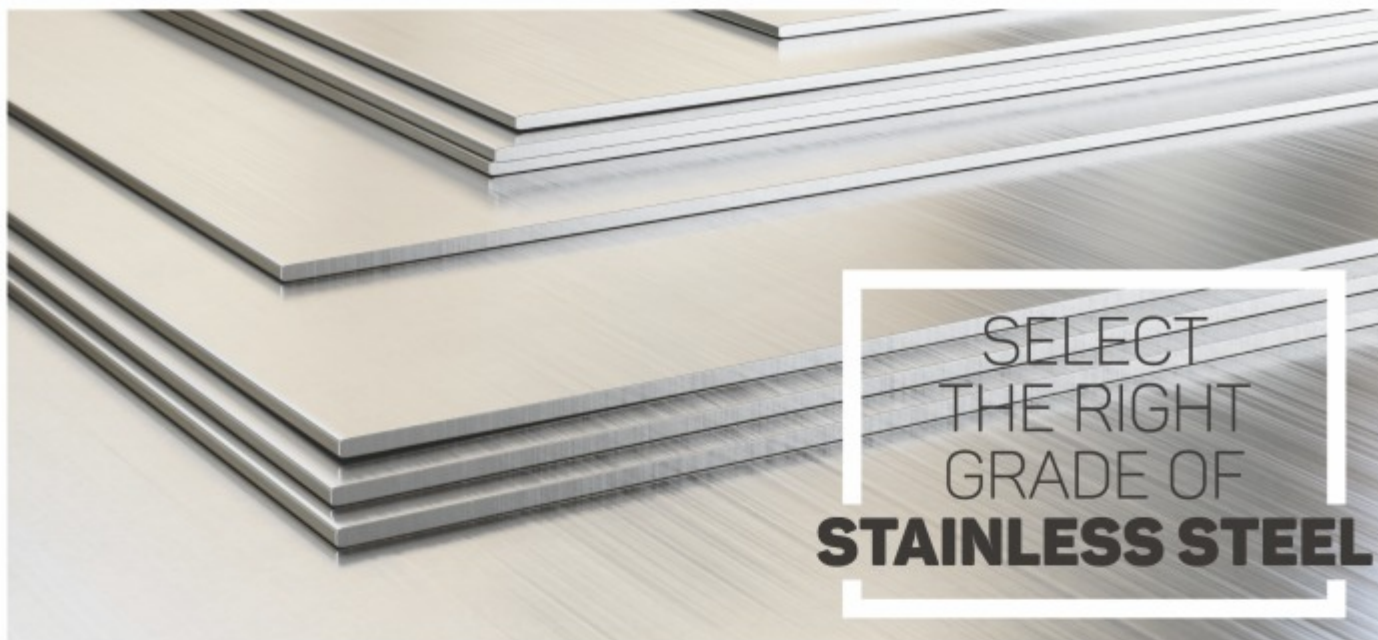
Saves Electricity / Energy for
maintaining water
temperature



Comes with Heavy duty
stand designed to withstand
snow and high speed wind.



SS 304 / 316 Inner Tanks
Option with 0.8 MM and
1.0 MM Thickness



AUSTENITIC FOOD GRADE STAINLESS STEEL - 304

304 Grade Stainless Steel is the most versatile and widely used stainless steel. The Steel contains both chromium and nickel which makes it a corrosion resistant under mild environment. It is considered resistant to pitting corrosion with water having TDS upto 400mg/L at ambient Temperatures.



Chemical Composition of SS 304

ASTM	EN	%C	%Si	%Mn	%P	%S	%N	%Cr	%Ni
304	EN 1.4301	0.07	1	2	0.045	0.015	0.1	17.5-19.5	8.0-10.5

SURGICAL STAINLESS STEEL - 316

Grade 316 is the standard molybdenum-bearing grade, second in importance to 304 amongst the austenitic stainless steels. The molybdenum gives 316 better overall corrosion resistant properties than Grade 304, particularly higher resistance to pitting and crevice corrosion in chloride environments.



Chemical Composition of SS 316

ASTM	EN	%C	%Si	%Mn	%P	%S	%N	%Cr	%Ni	%Mo
316	EN 1.4404	0.07	1	2	0.045	0.015	0.1	16.5-18.5	10.0-13.5	2.0-3.0

SURGICAL STAINLESS STEEL WITH TITANIUM - 316 Ti

316Ti is a titanium stabilised version of 316 molybdenum-bearing austenitic stainless steel. The 316 Ti alloys are more resistant to inter granular corrosion than the standard 316 Alloys because of the addition of Titanium.

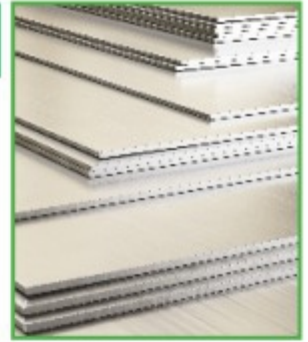


Chemical Composition of SS 316 Ti

ASTM	EN	%C	%Si	%Mn	%P	%S	%N	%Cr	%Ni	%Mo	%Ti
316 Ti	EN 1.4571	0.08	1	2	0.045	0.015	0.1	16.5-18.5	10.0-13.5	2.0-3.0	0.7

SUPER DUPLEX STAINLESS STEEL – 2205

Alloy 2205 is a duplex (Austenitic and Ferritic) Stainless Steel. The high chromium, molybdenum and nitrogen contents results in excellent corrosion resistance properties even in environments containing chlorides and sulphides. It also has good erosion fatigue properties and the yield strength is twice of that of SS 304 / SS 3016 .



Chemical Composition of Super Duplex 2205

ASTM	EN	%C	%Si	%Mn	%P	%S	%N	%Cr	%Ni	%Mo
2205	EN 1.4462	0.03	1	2	0.03	0.035	0.14-0.20	21-23	4.5-6.5	2.5-3.5

SUPER ALLOY STAINLESS STEEL – 904 L

904 L is the most Superior low carbon , high Alloy Stainless Steel . 904L Alloy performs better than all other austenitic stainless steels due to the higher alloying of nickel and molybdenum. 904 L has greater resistance to precipitation of ferrite and sigma phases on cooling and welding than other stainless steels. 904 L is the best available option for Water Storage in areas with extreme hardness or high chemical contents in Ground or Supply Water .



Chemical Composition of Super Alloy Stainless Steel 904 L

ASTM	EN	%C	%Si	%Mn	%P	%S	%N	%Cr	%Ni	%Mo	%Cu
904 L	EN 1.4539	0.02	1	2	0.045	0.035	0.1	19-23	23-28	4.0-5.0	1.0-2.0

TDS (TOTAL DISSOLVED SOLIDS) AND WATER SOURCE

TDS and Water Source plays an important role in the selection of Right Grade of Stainless Steel. Hards Water with High Dissolved Chemicals can cause stress and pitting corrosion in Stainless if the right grade is not selected .

Grade	Water Source	Water Type	TDS (PPM)	Chloride (Cl) (mg/L)	Chlorine (Cl2) (mg/L)	Design Life
SS 304	Ground Water / River Water Supply	Soft	<300	<200	<2	15 Years
SS 316		Hard	<500	<300	<3	15 Years
SS 316 Ti		Hard	<600	<400	<3	15 Years
Duplex 2205	Brackish Water / Polluted Water	Very Hard	<2000	<1000	<5	20 Years
Super Austinitic 904	Brine Water / Sea Water	Extremely Hard	<10000	<5000	<5	20 Years

SPECIFICATIONS

Capacity (LTRS)	Inner Diameter (MM)	Outer Diameter (MM)	Height of Tank (MM)	Inlet Connection	Outlet Connection	Over Flow Connection	Drain Connection
250	700	780	1250	1"	1"	1"	1"
500	700	780	1900	1"	1"	1"	1"
750	970	1070	1620	1"	1.5"	1"	1.5"
1000	970	1070	1900	1"	1.5"	1"	1.5"
1500	1220	1320	1900	1"	1.5"	1"	1.5"
2000	1400	1520	1900	1"	2.0"	1.5"	2.0"
	1300	1420	2150				
2500	1400	1520	2210	1"	2.0"	1.5"	2.0"
3000	1400	1520	2550	1"/1.5"	2.0"	1.5"	2.0"
	1600	1720	2150				
4000	1700	1820	2400	1.5"	2.0"	1.5"	2.0"
	1800	1920	2250				
5000	1800	1920	2500	1.5"	2.0"	1.5"	2.0"
7500	1900	2050	3200	2.0"	2.0"	2.0"	2.0"
10000	1900	2050	4100	2.0"	2.0"	2.0"	2.0"



LARGE MAN HOLE

Easy to clean

Facilitates in easy inspection



LOCKABLE LID

Prevents entry of Insects and animals

Protects from opening itself in bad weather conditions



EXTRA REINFORCED BODY

Ribbed wall provide aesthetic look and strength

Provides additional structural strength

Protects from any pressure exerted by the water

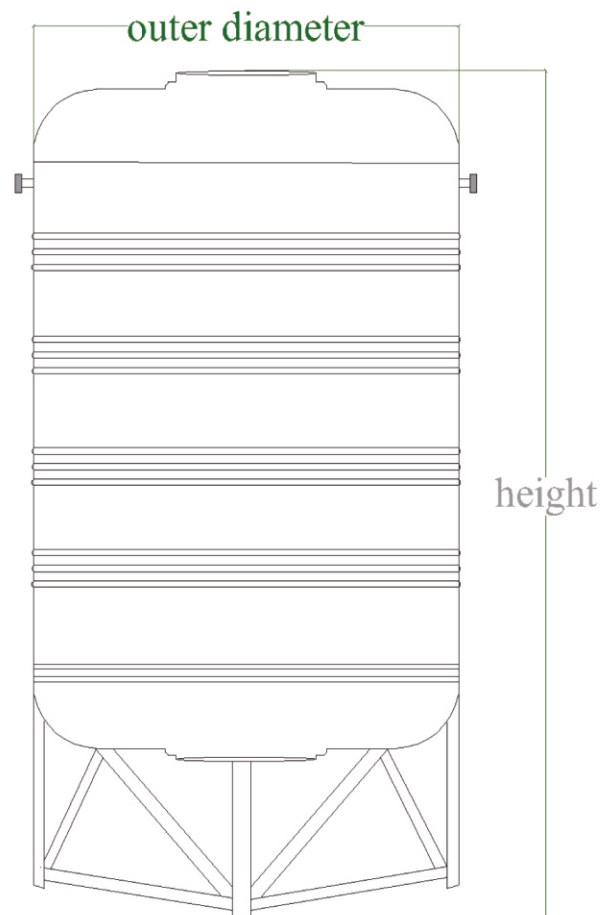


UNIQUE ROUND BASE

Unique round base

It has special drain fitting at the bottom

The dome shape makes a whirlpool while Cleaning the tank





VIETNAM EMBASSY, NEW DELHI



IIT, DELHI



VICE PRESIDENT HOUSE, NEW DELHI



KARNAL



DLF SHOPPING MALL



MANSAROVAR, JAIPUR



ROHINI, NEW DELHI



PANIPAT



TDI CONNAUGHT PANIPAT



CHANDIGARH



LUDHIANA



LUCKNOW



GURGAON

YOUR ULTIMATE STOP FOR ENERGY EFFICIENT HOT WATER SOLUTIONS



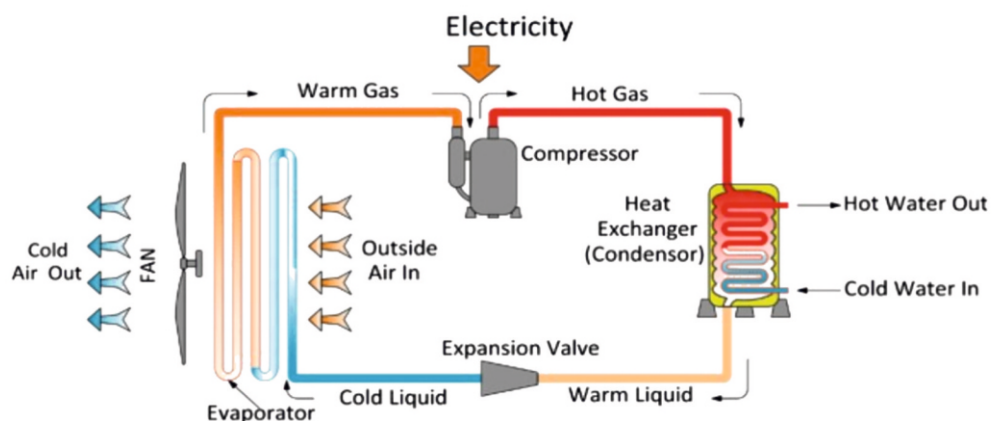
HEAT PUMPS

A heat pump is a reverse refrigerator that takes heat from the surrounding air and transfer that heat to the water stored in a tank. It uniquely converts unused "ambient heat" into heat of utilisation temperature by adding very little amount of primary energy without burning fossil fuels as a source of CO₂ emission. The aim is to reduce usage of fossil fuels and contributing to cleaner air quality.

HOW DOES IT WORK?

An air-source heat pump has three cycles: the heating cycle, the cooling cycle and the defrost cycle. The ability of the heat pump to transfer heat from the outside air to the house depends on the outdoor temperature. The operation begins with air being forced through an evaporator which contains liquid refrigerant with the help of a fan.

Heat Pump Working principle





DOMESTIC HEAT PUMP (Hot & Cold)

- ✓ Heating
- ✓ Cooling
- ✓ Ambient : -7°C to 45°C



DOMESTIC HEAT PUMP (300L)

- ✓ Heating
- ✓ Ambient : -7°C to 45°C
- ✓ Max. Temp. Outlet : 60°C



COMMERCIAL HEAT PUMP

- ✓ Heating & Cooling
- ✓ Outlet Tem : 55°C
- ✓ Ambient : -7°C to 45°C



EVI HEAT PUMP

- ✓ Heating
- ✓ Outlet Tem : 55°C
- ✓ Ambient : -25°C to 43°C



SWIMMING POOL HEAT PUMP

- ✓ Titanium Heating Exchan.
- ✓ Heating
- ✓ Cooling



R29 COMMERCIAL HIGH TEM. HEAT PUMP

- ✓ Space Heating & Cooling
- ✓ Max. Temp. Outlet : 78°C
- ✓ Ambient : -25°C to 43°C



HIGH TEMPERATURE HEAT PUMP (R134A)

- ✓ Max. Temp. Outlet : 78°C
- ✓ Ambient : -5°C to 43°C



HYBRID HOT WATER & HEATING SOLUTION

- ✓ Solar Thermal Heating
- ✓ Energy Efficiency :
UP to 500%

Sun Stellar Heat Pumps Comparison with Conventional Technology and Thermal

Parameters	Heat Pump	Solar Thermal + Heat Pump	Solar Water Heater	Electric Water Heater	LPG Fired Water Heater	Diesel Fired Water Heater
Energy Source	Electricity	Solar + Electricity	Solar	Electricity	LPG	Diesel
Energy Savings W.R.T Conventional	Upto 75%	Upto 90 %	Upto 70	N.A	N.A	N.A
Climate Dependent	No	No	Yes	No	No	No
Space Requirement	Low	High	High	Low	Low	Low
Efficiency (Assumed)	400%	500%	300%	95%	80-85%	80-85%
Recurring/ Maintenance Cost	Minimal	Minimal	Minimal	High	Moderate	High
Safety	Yes	Yes	Yes	Moderate	Very Low	Moderate
Depreciation	70-80%	70-80%	70-80%	No	No	No



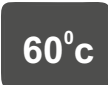
DOMESTIC HEATPUMP

(HOT & COLD)

This is an air-to-water heat pump, one of the most advanced and energy-efficient heating devices in the world. Operating on the principle of the Reverse Carnot Cycle, it utilizes a small amount of electricity to drive the compressor, absorbing up to four times the free heat energy from the air and releasing it into the water for heat exchange, providing efficient sanitary hot or cold water for the residence.

1 part of electrical power+4 parts of heat energy from the air=5 parts of heat energy In theory, Sun Stellar air-to-water heat pumps have a heating efficiency of up to 500%.

Product Advantages

- | | | | | | | |
|--|---|---|---|--|---|---|
|  |  |  |  |  |  |  |
| ECO-REFRIGERANT | 60°C MAX. HOT WATER | 75% ENERGY SAVINGS | WI-FI CONNECTIVITY | CHILLED WATER IN SUMMERS | HOT WATER IN WINTERS | 24H HOT WATER SERVICE |

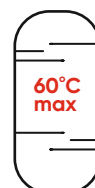
EXCELLENT RELIABILITY HIGH EFFICIENCY AND ENERGY-SAVING



Built-in Wilo water pump

Simplified Installation: The integrated design of the water pump and heat pump system simplifies the installation and maintenance process, effectively reducing the construction difficulty for installers and user costs.

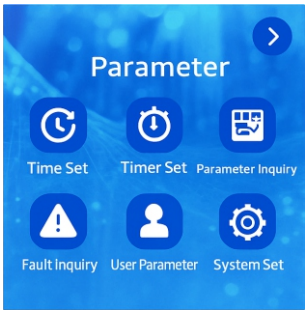
wilo



Hot water outlet upto 60° C
without auxiliary electric heater

4 Inches Color touch display

High-definition display, responsive touch functionality, user-friendly interface, and large, clear lettering make for sampler operation.



- ✓ Heating/Cooling Mode selection
- ✓ Target hot water temp setting
- ✓ Time/Timing setting
- ✓ E-Heater control
- ✓ Intelligent defrost setting
- ✓ Parameter query checking
- ✓ Malfunction warning
- ✓ Troubleshooting checking

Domestic Hot and Cold Heat Pump					
MODEL	ST-HP-5X/200 L	ST-HP-5X/300 L	ST-HP-7X/300 L	ST-HP-7X/500 L	ST-HP-11X/500 L
Heating Capacity	5.0 Kw	5.0 Kw	7.0 Kw	7.0 Kw	11.0 Kw
Water Tank Capacity	200 L	300 L	300 L	500 L	500 L
Power Supply (V/Ph)	220-240 / 1 /50 Hz				
Rated Input Power (Kw)	1.23 Kw	1.23 Kw	1.74 Kw	1.74 Kw	2.66 Kw
Rated Current (A)	5.9 A	5.9 A	8.05 A	8.05 A	11.15 A
Max Current (A)	8.05 A	8.05 A	11.05 A	11.05 A	15.6 A
Rated Output Temperature (Heating Mode)	55 Degrees C				
Rated Output Temperature (Cooling Mode)	10 Degrees C				
Maximum Output Temperature - Heating	60 Degrees C				
Minimum Output Temperature - Cooling	9 Degrees C				
COP Range**	4.1	4.1	4.05	4.05	4.1
Dishcharge Direction	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Compressor Size	1 HP	1.5 HP	1.5 HP	2 HP	2 HP
Compressor Make	Panasonic				
4 Way Valve and EEV	Sanhua				
Circulation Pump make	Wilo				
Refrigerant Gas	R410A				
Hot Water Produced (Lt/Hr)	115-120 L/Hr	115-120 L/Hr	150 - 160 L/Hr	150 - 160 L/Hr	225-240 L/Hr
Condenser Type	High Efficiency tube in shell heat exchanger				
Control Panel	4 Inches - Touch Display With Smart Control User Friendly Interface				
Wifi	Built in Wifi Module With Smartlife App				
Defrosting	Automatic - Intelligent and Efficient Defrosting				
Comprehensive Protections	High Current and Voltage Protection, Overheating Protection, High Pressure and Low Pressure Protection, Overload Protection, IPX4 Waterproof				
Heat Pump Dimensions	960X350X550 MM	960X350X550 MM	1010X350X600 MM	1010X350X600 MM	1100X420X660 MM
Water Tank Dimensions	\$ 520 X 1550 MM	\$ 630 X 1550 MM	\$ 630 X 1550 MM	\$ 730 X 1800 MM	\$ 730 X 1800 MM
Water Tank Coating	Glass Enamel Coating				
Water Tank Corrosion Protection	Mg Anode				
Working Pressure	4-5 Bars				
Maximum Water Tank Pressure	8 Bars				
*The Above Specifications are subject to change without prior notice for product Improvement.					

APPLICATIONS

Apartment



Hostels/PG



Villa's





DOMESTIC HEAT PUMP

WATER HEATER - 300L

Sun Stellar heat pump water heaters with their quick heating technology, save up to 70% power. A heat pump water heater is the most advanced water heating solution with a reverse Carnot-cycle that uses a refrigerant to trap the heat from the air, which is then transferred to the water inside the heat pump, thus heating the water.

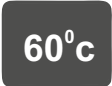
FEATURES

- ◆ Hi-efficient heat pump specialized compressor
- ◆ Micro-channel heat exchangers greatly improve units performance
- ◆ Fluorine cycle, environment-friendly refrigerant R410A
- ◆ Less installation space, easy installation&maintenance.
- ◆ The evaporator is larger than usual size to keep its high efficiency
- ◆ Separating the water from electricity or any other hazard material, more safe
- ◆ Higher water temperature output max. up to 60°C

Product Advantages



ECO-
REFRIGERANT



60°C MAX.
HOT WATER



75% ENERGY
SAVINGS



WI-FI
CONNECTIVITY



HOT WATER
IN WINTERS



24H HOT
WATER SERVICE

HEAT PUMPS EXTRACT ENERGY FROM THE SURROUNDING AIR



Domestic Heat Pump (300 Ltr.)	
MODEL	ST-HP-5G/300
Heating Capacity	5 KW
Water Tank Capacity	300 L
Power Supply (V/Ph)	220-240 V / 1Ph / 50 Hz
Rated Input Power (Kw)	1.2 KW
Rated Current (A)	5.3
Max Current (A)	16.5 (With Electri Heater)
COP Range**	5.3
Rated Output Temperature (Heat Pump Mode)	55 Degrees C
Rated Output Temperature (Boost Mode)	65 Degrees C
Maximum Output Temperature (Heat Pump Mode)	65 Degrees C
Dishcharge Direction	Side
Compressor Type	Roatary
Heating Cycle	Flourine Cycle
Heat Exchanger	Micro Channel
Refrigerant Gas	R410 A
Hot Water Produced (Lt/Hr)	110 L
Wifi	Built in Wifi Module
Control Panel	Smart User Friendly Control Panel
Defrosting	Automatic
Comprehensive Protections	High Pressure and Overheating
Heat Pump Dimensions	780 X 300 X 550 MM
Water Tank Dimensions	§ 630 X 1560 MM
Water Tank Coating	Glass Enamel
Working Pressure	4-5 Bars
Maximum Water Tank Pressure	8 Bars
*The Above Specifications are subject to change without prior notice for product Improvement.	

APPLICATIONS

Bungalows / Villa



Restaurants



Laundries



PERFECT HOT WATER SOLUTIONS FOR
COMMERCIAL SPACE, ANYTIME.



COMMERCIAL HEAT PUMPS

The commercial HEAT PUMP is one of many energy-efficient technologies which draw heat from renewable sources. Our impressive line of environmentally friendly offerings has now been expanded to include such innovative commercial products in the market. The commercial heat pumps are extremely versatile and can be configured and equipped for hot water supply of commercial projects which need large water volume supply.

 R410A Eco-refrigerant	60^{0c} MAX. Hot Water	 Intelligent Defrost	SAVE 75% ENERGY THAN ELECTRIC HEATER
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High Rise Apartments	Hotels	Hospitals
		

APPLICATIONS

Commercial Heat Pump

Model	ST-HP-12	ST-HP-20	ST-HP-25	ST-HP-40	ST-HP-55	ST-HP-80	ST-HP-100
Heating Capacity	12 KW	20 KW	25 KW	40 KW	55 KW	80 KW	102 kW
Power Supply (V/Ph/Hz)	220-240/1/50	380 / 3 / 50					
Rated Input Power	2.9 kW	4.7 kW	5.9 kW	9.3 kW	12.7 kW	18.7 kW	23.4 kW
Rated Current	12.8 A	8.5 A	9.9 A	17.6 A	24.0 A	34.1 A	42.4 A
Max Input Power	4.2 KW	6.8 kW	8.5 kW	14 kW	18.3 kW	24 kW	33.5 kW
Max Input Current	19 A	12.5 A	15.4 A	25 A	33 A	42 A	51 A
COP	4.13	4.25	4.23	4.3	4.3	4.27	4.35
Noise	55 (db(A))	58 (db(A))	58 (db(A))	59 (db(A))	62 (db(A))	65 (db(A))	69 (db(A))
Rated Hot Water Temperture	55 Degrees C						
Max Hot Water Temp. at Outlet	60 Degrees C						
Cooling Mode	Yes						
Minimum Outlet Temperature	10 Degrres C						
Enviroment Temperature Range	(-) 7 to (+) 45 Degrees C						
Discharge Direction	Top Discharge						
Compressor Type	Scroll						
Compressor Make	Emerson - Copeland						
Compressor Size	3 HP	5 HP	3 HP * 2	5 HP * 2	15 HP * 1	13 HP * 2	15 HP * 2
Refrigerant	R 410 A						
Hot Water Produced (L/Hr)	250 - 270 L/Hr	470 - 490 L/Hr	520 - 550 L/Hr	900 L/Hr	1200 L/Hr	1750 L/Hr	2150 L/Hr
Connection Size §	DN20 (3/4 ")	DN25 (1 ")	DN40 (1.5 ")	DN40 (1.5 ")	DN40 (1.5 ")	DN50 (2 ")	DN65 (2.5 ")
Water Circulation	1.8 (m3/H)	3.1 (m3/H)	4.0 (m3/H)	6.4 (m3/H)	8.1 (m3/H)	13.4 (m3/H)	17.5 (m3/H)
Condesor Type	Tube in Shell Type / Tank Heat Exchanger					Casing Heat Exchanger	
Control Panel	LCD Touch Screen User Friendly Interface With Mutifunction Control and Safety Features						
Wifi Enabled	Built in Wifi Module						
Comprehensive Protections	High Current and Voltage Protection, Overheating Protection, High Pressure and Low Pressure Protection, Overload Protection, IPX4 Waterproof						
Body Size (W X D X H) MM	810X700X870	750X805X1170	750X805X1170	1500X800X1170	1550X800X1100	1705X1010X1200	2010X1050X1400
Net Weight	91 Kgs	125 Kgs	135 Kgs	200 Kgs	260 Kgs	390 Kgs	490 Kgs
*The Above Specifications are subject to change without prior notice for product Improvement.							

*The Above Specifications are subject to change without prior notice for product Improvement.



Swimming Pools



Salons



Hostels



WORKS UPTO
-30°
CELSIUS



EVI HEAT PUMPS

EVI stands for 'Enhanced Vapor Injection' and it's a technology used in colder climate regions, in order to achieve higher performance at lower temperatures. An EVI Heat Pump uses a third smaller internal plate heat exchanger called an "Economiser" within the refrigeration cycle. By utilizing a bypass valve with which some of the hot refrigerant vapor on the condenser is bypassed to a HX which combines with the colder gas on the evaporator expansion side. The heat energy is transferred raising the gas temperature even further, which is then injected at mid-range pressure into the heat of the scroll compressor through a separate vapor injection port. Using EVI Heat pump technology, we can overcome the limitation of maximum flow.

Being the smart heat pump, it perfectly combines eco-friendly refrigerant and inverter EVI technology to produce efficient house heating even under extreme cold climate. EVI Heat pump technology increases the performance efficiency by 27-30%

Schools



Hotels



Hospitals



APPLICATIONS

EVI - HEAT PUMP TECHNICAL SPECIFICATIONS

Model Number	ST-HP-EVI-11	ST-HP-EVI-19	ST-HP-EVI-38	ST-HP-EVI-55	ST-HP-EVI-110
Heating Capacity (20 Degrees C)	11 kW	19 kW	38 kW	55 kW	110 kW
Rated Power (20 Degrees C)	2.81 kW	4.82 kW	8.9 kW	12.2 kW	24.9 kW
COP (20 Degrees C)	3.91	3.94	4.1	4.3	4.4
Rated Heated Water Output (20 Degrees C)	225 - 240 L / hr	390 - 410 L / hr	780 - 800 L / hr	1150 - 1200 L / hr	2350-2400 L /hr
Heating Capacity (0 to 7 Degrees C)	8.9 kW	14.4 kW	30.2 kW	45 kW	88.5 kW
Rated Power (0 to 7 Degrees C)	2.75 kW	4.65 kW	9 kW	12.4 kW	24.5 kW
COP (0 to 7 Degrees C)	3.23	3.09	3.36	3.62	3.61
Rated Heated Water Output (0 to 7 Degrees C)	165 - 175 L / hr	270 - 290 L / hr	580 - 600 L / hr	850 - 875 L / hr	1700 - 1750 L/hr
Power Supply	220 V / 50 Hz	380 V , 3 Phase - 50 Hz			
IP Grade (level of Protection)	IP X 4				
Compressor Make	Copeland				
Compressor Quantity	1	1	2	1	2
Refrigerant	R 410 A				
Working Ambient Temp.	(-) 30 to (+) 45 Degrees C				
Noise (db(A))	<= 55	<= 55	<= 60	<= 60	<= 60
Rated Water Circulation	1.75 m3 / h	3.06 m3 / h	6.12 m3 / h	9.1 m3 / h	18.58 m3 / h
Diameter of Connection (In / Out)	3/4 "	1 "	1.5 "	1.5 "	DN 65 (flange)
Product Size	L 810 * W 695 * H 865 (MM)	L 750 * W 805 * H 1165 (MM)	L 1480 * W 920 * H 1100 (MM)	L 1020 * W 920 * H 1900 (MM)	L 2080 * W 1000 * H 1900 (MM)
Hot Water Tank Compatability (For System Sizing , Reference Only , Actual Sizing after System Design Requirements and place of installation)	Upto 750 L	Upto 1500 L	Upto 3000 L	Upto 5000 L	Upto 10000 L
*The Above Specifications are subject to change without prior notice for product Improvement.					

FEATURES OF EVI HEAT PUMPS



DIGITAL CONTROLLER

Digital controller makes the operation totally automatic and programmable, supplying sanitary hot water and fulfilling space heating.



FOR COLDER REGIONS UPTO -30°C

The ultra-low Temperature air source heat pump has efficient heating capacity under -30°C is suitable for extreme cold areas and works well under extreme temperature conditions.



SILENT TECHNOLOGY

State of the art technology has been used which is used to produce whisper quite fans.



ENERGY EFFICIENT

It provides an energy-efficient means of heating as compared to other heating sources, especially in cold climates.



DURABLE

Uses refrigerant which is ozone friendly thus does not require yearly inspection.



GOOD INVESTMENT

It will help you save on your energy bills and promote a friendlier environment.

HOTEL SPIC N SPAN, LEH



HOTEL RAKS, LEH



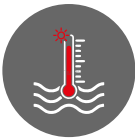
DRDO, DIHAR LEH LADAKH





SWIMMING POOL HEAT PUMPS (HOT & COLD)

A swimming pool HEAT PUMP is a device that uses electricity to transfer heat from the air to your pool water. By using a heat exchange process, these energy-efficient systems can keep your pool at a comfortable temperature, allowing you to swim whenever you want, regardless of the weather. These heat pumps are easy to operate & maintain. Users can set the desired temperature and these heat pumps offer heating and cooling accordingly. With low cost & high operational performance these heating devices can withstand prolonged exposure to swimming pool water, so that you can swim 365 days.



35°C
Maximum Outlet
Temperature



10°C
Minimum Outlet
Temperature



Wi-Fi
Enabled



**Maximum
COP of 10**

Residential

Hotels

Hostels

APPLICATIONS



COMMERCIAL SWIMMING POOL HEAT PUMPS							
Model	ST-HP-14	ST-HP-SP-27	ST-HP-SP-55	ST-HP-SP-80	ST-HP-SP-100	ST-HP-SP-125	ST-HP-SP-150
Advised pool volume (M3)	Upto 15 M3	Upto 25 M3	Upto 45 M3	Upto 60 M3	Upto 80 M3	Upto 100 M3	Upto 120 M3
Operating air temperature (°C)	(-) 7 to (+) 43 Degrees C						
Performance Condition : Air 27°C , Water 26°C, Humidity 80%							
Heating Capacity (KW)	14	27	55	75	100	125	150
Heating Capacity (BTU)	47600	88400	185200	255000	340000	411400	493000
Consumed power (KW)	2.15	4.2	8.9	12.1	16.8	20.2	23.8
Cop	6.5	6.2	6.1	6.2	6	6	6.1
Performance Condition : Air 15°C , Water 26°C, Humidity 70%							
Heating Capacity (KW)	11	19.3	39.8	53.5	77.5	90.3	105.8
Heating Capacity (BTU)	35400	65840	135803	182550	264400	308100	359720
Consumed power (KW)	2.12	3.9	8.4	11.3	16.7	19.2	22.8
Cop	5	4.7	4.7	4.7	4.6	4.7	4.6
Performance Condition : Air 35°C , Water 28°C, Humidity 80%							
Cooling capacity (KW)	7.2	16.5	33.4	48.5	65.1	78.5	94.6
Sound pressure AT 1m dB(A)	43	56	58	60	62	64	66
Sound pressure AT 10m dB(A)	37	44	46	48	50	52	54
Heat Exchanger	SPIRAL TITANIUM TUBE IN PVC						
Casing	METAL CASING						
Power supply	220 V /1Ph/50 Hz	380-400V/3PH/50Hz					
Connection Sizez and Type	50 (2")	1-1/2 " (Female Thread)	2 " (FemaleThread)	2 " (FemaleThread)	DN 110 (Flange)	DN 110 (Flange)	DN 110 (Flange)
Rated Input Current at Air 15°C (A)	9.3	6.05	13.02	17.52	25.89	29.77	35.35
Advised Water Flux (M3/h)	4.5	11.2	22.1	32.3	43	52	62.4
Water Pressure Drop (max) KPA	10	50	50	50	45	45	50
Net Weight / Gross Weight (KG)	70/83	135/145	200/220	248/268	352/372	450/480	465/500
PRODUCT SIZE (MM)	980*410*650	740*805*1165	1500*750*1075	1530*790*1100	1705*1005*1230	2005*1050*1400	
PACKAGE SIZE (MM) (PLYWOOD)	1050*500*800	800*865*1325	1600*850*1275	1630*890*1300	1805*1105*4130	2105*1150*1600	
REFRIGERANT CHARGE QUANTITY (G)	2000	2500	5400	7000	10000	10400	13000
REFRIGERANT	R32	R410A					
COMPRESSOR	Panasonic	COPELAND					
FOUR-WAY-VALVE	SANHUA						
EXPANSION VALVE	SANHUA						
Operating Temperature (°C) - Heating	9~43						
Opearting Temperature (°C) - Cooling	9~35						
*The Above Specifications are subject to change without prior notice for product Improvement.							

FEATURES OF HEAT PUMPS



SCROLL COMPRESSOR

Makes the unit efficient as they do not have a dynamic discharge valve which makes the operation smoother, quieter and reliable.



TITANIUM HEAT EXCHANGER

A heat exchanger made from titanium is ideal for its high strength-to-weight ratio and corrosion resistance.



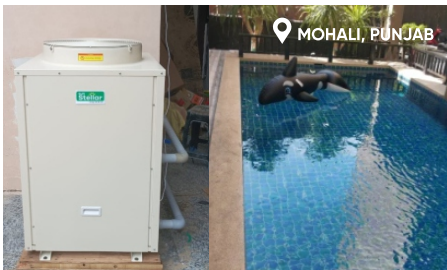
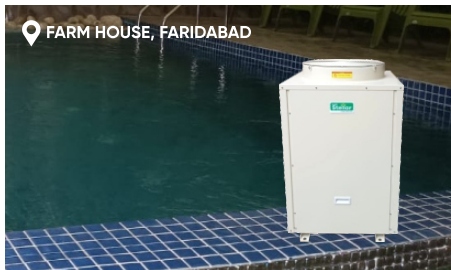
HEATING & COOLING

A heat pump uses electricity to put heat in contact with cooler, lower-pressure environments so that the heat can naturally transfer outside air and visa versa to provide comfort all year round.



TOUCH SCREEN CONTROLLER

Heat pumps have smart digital controllers to set Temperature and the time when hot water is required.





HIGH TEMPERATURE (R134A) HEAT PUMPS

High-temperature HEAT PUMPS (HTHPs) are designed to provide heat at temperatures significantly higher than standard heat pumps. These systems have diverse applications across various industries, typically where high-temperature heat is required for heating, drying, industrial processes or space heating. High-temperature heat pumps can provide the necessary heat for such processes at energy-efficient levels.

HTHPs can be used to recover waste heat from various processes and upgrade it to a higher temperature for reuse within the same system or for heating purposes. This application is particularly useful in reducing energy consumption in energy-intensive industries like steel, glass manufacturing, or power plants. Thus these are increasingly being recognized as a crucial technology for energy efficiency improvements and decarbonisation across many sectors.

APPLICATIONS

Food Industry



Pharmaceutical Industry



Textile Industry



HIGH TEMPERATURE HEAT PUMPS						
Rated heating capacity (Kw)	10 KW	15 KW	30 KW	45 KW	60 KW	90 KW
Input power* (Kw)	3.03 to 3.92	4.41 to 5.85	8.67 to 11.7	12.96 to 17.55	16.9 to 23.4	25.01 to 35.1
Max input power (Kw)	4.9	7.35	14.7	22.05	29.4	44.1
Rated current (A)	6.9	10.35	21.6	32.2	43	64.6
Max current (A)	9.6	14.6	29.2	43.5	58.1	87.2
COP* (Coefficient of Performance)	2.52 - 3.30	2.56 - 3.4	2.56 - 3.45	2.57 - 3.47	2.56 - 3.55	2.56 - 3.6
Power supply	380V/50Hz/3PH					
Refrigerant	R134A					
Rated heated water output (L/H)	125 - 130	225 - 230	440 - 450	640 - 650	880 - 900	1300 - 1350
Rated outlet hot water temperature (°C)	75					
Max outlet hot water temperature (°C)	80					
Working ambient temperature	(-) 15°C to (+) 43°C					
IP grade (Level of protection)	IPX4					
Anti-electric shock rate	I					
Noise (dB(A))	≤55	≤58	≤66	≤68	≤68	≤75
Water circulation (m³/H)	3	5	10	15	20	30
Diameter of pipe (mm)	DN25	DN25	DN32	DN50	DN50	DN65
Compressor	Copeland EVI					
Condenser	Efficient tank tube-in-shell					
EVI heat exchanger	Plate Heat Exchanger					
Smart Controller	Single System (Motorola Chip)		Dual system (Motorola Chip)			Four system (Motorola Chip)
Power line connect with unit	3*2.5mm2+2*1.5mm2	3*4mm2+2*2.5mm2	3*6mm2+2*2.5mm2	3*10mm2+2*4mm2	3*10mm2+2*4mm2	3*16mm2+2*6mm2
Body size (W*D*H) (mm)	1110*490*1260	1110*490*1410	1580*800*1600	1580*800*1600	1850*1000*1950	2300*1100*2300
Packing size (W*D*H) (mm)	1180*540*1390	1180*540*1540	1680*900*1800	1680*900*1800	1950*1100*2050	2400*1200*2500
Net weight/Gross weight (kg)	105/111	150/160	310/330	372/412	482/532	612/675
*The Above Specifications are subject to change without prior notice for product Improvement.						

FEATURES OF HIGH TEMPERATURE HEAT PUMPS



HIGH TEMPERATURE APPLICATION

Capable of Heating Fluids/Water Upto 80 Degrees C which can be used for industrial Applications and Room Heating.



PLATE HEAT EXCHANGER

Specially Designed Plate Heat Exchanger ensure maximum heat exchanging efficiency and aids in high temperature application.



SMART MOTOROLA CHIP CONTROLLERS

Use of Smart Motorola Chip aids in self diagnose and trouble free running with advanced errors notifications and long hours continuously running.



REPLACES DIESEL OR FOSSIL BASED BOILERS

These heat pumps can eliminate use of Fossil Fuel based boilers and ensure minimum carbon footprint.



EVI COMPRESSORS

Enhanced Vapor Injection Technology based Compressors ensure High COP and High Temperature Outputs in Low ambient Temperatures.



BEST IN CLASS COP

We offer best in class COP of Upto 3.6 in low ambient temperature and High Temperature Outputs.



SOLAR WATER HEATER

Solar Heating System Is Basically A Natural Method Of Converting Sunlight Into The Heat For Water Heating, Using A Solar Thermal Collector. This System Works On The Thermosiphon Principle And Is Designed To Provide Hot Water Without Consuming Expensive Electricity. These Systems Are Mostly Used For Residential And Industrial Purposes. The Extra Thick SS Inner Tank & High Density PUF Insulation Makes Sun Stellar Solar Thermal Tanks One Of The Best In North India. Sun Stellar Has one of the Most Technologically Advanced Manufacturing Facility For Vacuum Types Solar Water Heater With The Capacity Of 2000 Tanks. Our Products Have Been Tested And Verified By Regional Testing Institute Of MNRE.

ETC SOLAR WATER HEATER



The Evacuated Tube Collector System facilitates high-efficiency absorption and utilisation of solar energy with minimum heat loss. The evacuated tubes are the absorber component in the solar water heater function.

SYSTEM CAPACITY	100	150	200	250	300	500(i)	500(35/500)	500(M)
ETC TUBE	10 58"1800	15 58"1800	20 58"1800	25 58"1800	30 58"1800	50 58"1800	35 58"2100	35 58"1800
FLOOR AREA (FEET)	4 X 6	5 X 6	6 X 6	7 X 6	8 X 6	13 X 6	10 X 7	13 X 8

STELLAR PRIME

- SS 304-2B (Food Grade) inner tank.
- Long lasting seam welding technology for linear and circular joints.
- Automatic robotic arm argon welding for nipple and sockets.
- High density PUF insulation.
- Use of sacrificial anode to prevent corrosion of steel.
- Best suited for soft water regions.

- Latest non welded technology for circular joints.
- System designed to eliminate pressure of overhead tank.
- Use of assistant tank increases the life of system
- Push insert type connections.
- High density PUF Insulation.
- Best suited for hard water regions.

STELLAR MAGIC

STELLAR SHIELD

- Galvanized iron inner tank with marine grade epoxy coating.
- Best in class airless technology used for tank lining.
- MIG welding for linear and circular joints.
- Dual protection of zinc coating and epoxy coating
- Sturdy frame design.
- Best suited for extreme hard water regions.

- System capacity starting from 500 LPD upto thousand of litres per day.
- Manifold type collector ensures minimum installation space.
- Elliptical dish end tanks to minimize damage due to pressure.
- Options of SS 304, SS 316 and GI/MS for tank material.
- Provision of man hole for ease of maintenance.
- System design as per end user's requirement.
- Experience of lakhs of litres of installations.

INDUSTRIAL/ COMMERCIAL

SOLAR ENERGY

BRIGHT AND AFFORDABLE

Its the most effective way to generate hot water thereby saving costly POWER and also makes it environmental friendly by efficiently using inexhaustible and most independent resource which enhance sustainability, reduce pollution and lower the costs of mitigating global warming.



WHY CHOOSE STELLAR SOLAR WATER HEATER ?



CNC PROCESS

We Use CNC Based Automatic Punching Process



ROBOTIC AROGEN WELDING

We Use Robotic Arm Argon Welding For High Precision



PUFF INSULATION

We Use High Density PUFF Insulation With Dow Chemical For Best In Class thermal Insulation



QUALITY CHECKS

MORE THAN 10 IN HOUSE PROCESS FOR QUALITY CHECKS TO MAINTAIN HIGH STANDARDS

FEATURES



IT'S A ZERO WASTE,
ZERO-EMISSION SOLUTION



EFFICIENCY

HIGH EFFICIENCY ON
HIGH TEMPERATURE



RUST-PROOF BODY MAKES
LONG OPERATING LIFE



HARD WATER

HARD WATER DOES NOT
AFFECT THE SYSTEM



HIGH ENERGY ABSORPTION
VACUUM TUBES KEEP WATER
WARM FOR LONGER TIME



COMES WITH 5 & 7 YEARS
WARRANTY VARYING TO
THE SPECIFICATIONS

INSTALLATIONS



CHERRY COUNTY, NOIDA



HOTEL STONE HEDGE NUBHRA, LADAKH



GOVT POLYTECHNIC COLLEGE, DWARAHAT, ALMORA



IOCL DEPO, HALDWANI



JECRC UNIVERSITY, JAIPUR



BANASTHALI VIDYAPEETH, JAIPUR

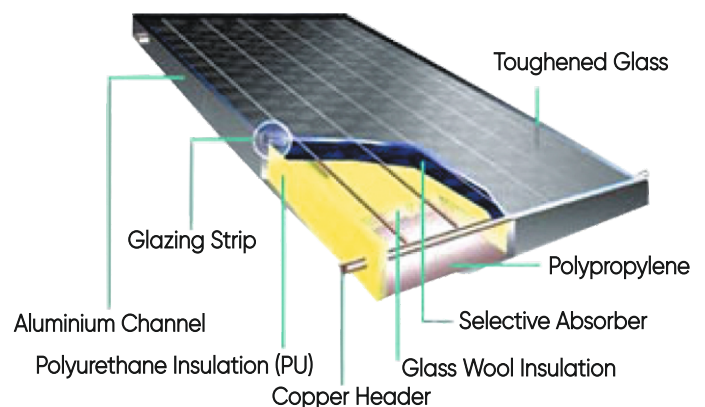
FPC SOLAR WATER HEATERS



Flat plate collector(FPC) is a metal box with a glass cover (called glazing) on top and a dark colored absorber plate at the middle. The sides and bottom of the collector are usually insulated to minimize the heat loss. Sunlight passes through the glazing and strikes the absorber plate, which is made of copper plate, which heats up, changing solar energy into heat energy ensuring high efficiency and durability. The heat is transferred to liquid passing through pipes attached to the absorber plate.

FEATURES

- Ultrasonic welded fins and tubes for optimum heat transfer
- Toughened glass with high heat transmission efficiency
- Ultra Conductive Collectors
- High Density Insulation
- High selective absorber sheet
- Superior Durability
- High Quality Components
- Efficient heating performance



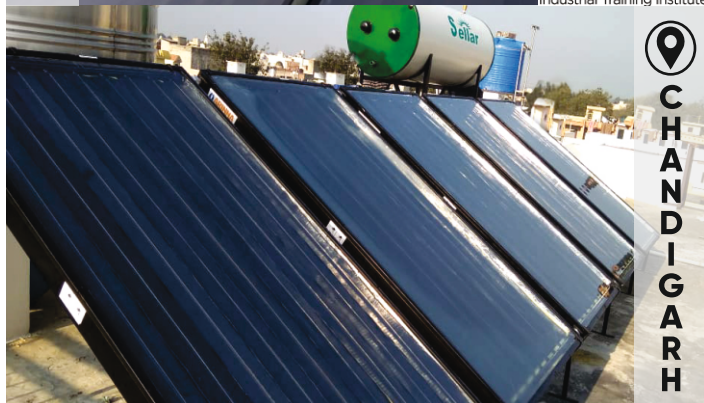
Collector Specifications

Collector Size	2.17 sq. mtr.
Absorber Area	2.01 sq. mtr.
No. of Riser tubes per collector	9 per collector
Grommet (Sealing gasket)	EPDM Rubber
Insulation	Polyurethane/Rockwool
Absorber Plate	Copper Aluminium
Glazing Cover	Toughened clear glass 4 mm thick
Absorber riser bonding	Ultrasonic/Laser welding

System Specifications

System Type	Non Pressurized or Pressurized
Tank Material	SS 304/ SS 316/ SS 904 (Duplex)/ Glass Enamelled
Insulation	High density PUF / Rockwool
Outer Tank Cladding	PPGI / Aluminium
Domestic System Size	100, 200, 300, 400 & 500 Ltrs.
Commercial System Size	1000 Ltrs and above-customised
Working Pressure	6 Bar for pressurized system
Heat Exchanger	Cage type/coil type/plate type -optional
Electrical Backup Heater	Optional
Circulation	Thermosyphon/Forced Circulation
Tank Protection	Magnesium -Sacrificial anode

INSTALLATIONS





HYBRID HOT WATER & HEATING SOLUTION

SOLAR WATER HEATER + HEAT PUMP WATER HEATER

Hybrid Heat Pump Water Heaters are designed and manufactured by Sun Stellar which are a combination of Heat Pumps and Solar Thermal Collectors integrated with an Insulated Hot Water Tank. Hybrid Hot water systems are not dependant on Weather conditions or Sun radiations. Thus provide 24 hours Hot water - 365 days with 100% reliability. These Systems provide maximum energy savings in comparison to all other sources of water Heating.

The Solar Thermal Collectors absorb maximum energy from the Sun and convert this energy into heat during sunny days, whereas Heat Pump sare turned on during non-sunny days or on which the hot water requirement is higher, thus making this system non dependant on climate conditions.

A Hybrid System uses Heat Pump Technology to heat water with COP as high as 5.5. These Systems are totally customized for Residences, Hotels, Hospitals, Hostels and any other application where hot water is required.



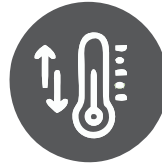
FEATURES



MAXIMUM

POWER SAVINGS

Combination of Solar Water Heaters and Heat Pumps provide maximum power savings.



NOT DEPENDENT

ON CLIMATE

These Systems are not dependent on climate conditions, thus gives required hot water throughout the year.



HIGHEST COP

OF UPTO 5.5

Hybrid Systems are designed to achieve COP of over 5.5



24 HOURS

HOT WATER

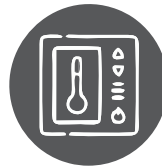
Hybrid Systems use dual heating methods, which is effective in sunlight and non sunny time which can provide 24 hours hot water without mixing losses.



HIGHER

SAFETY LEVELS

These have a high level of Safety in comparison to Electric Boilers, Diesel or Gas Boilers.



SMART DIGITAL

CONTROLLER

These are equipped with Smart Digital Controller to control water temperature, electricity consumption, time etc.

INSTALLATIONS



SS PLUMBING SYSTEM & COMPLETE WATER MANAGEMENT SOLUTION



SS Plumbing System



Pressure Pump

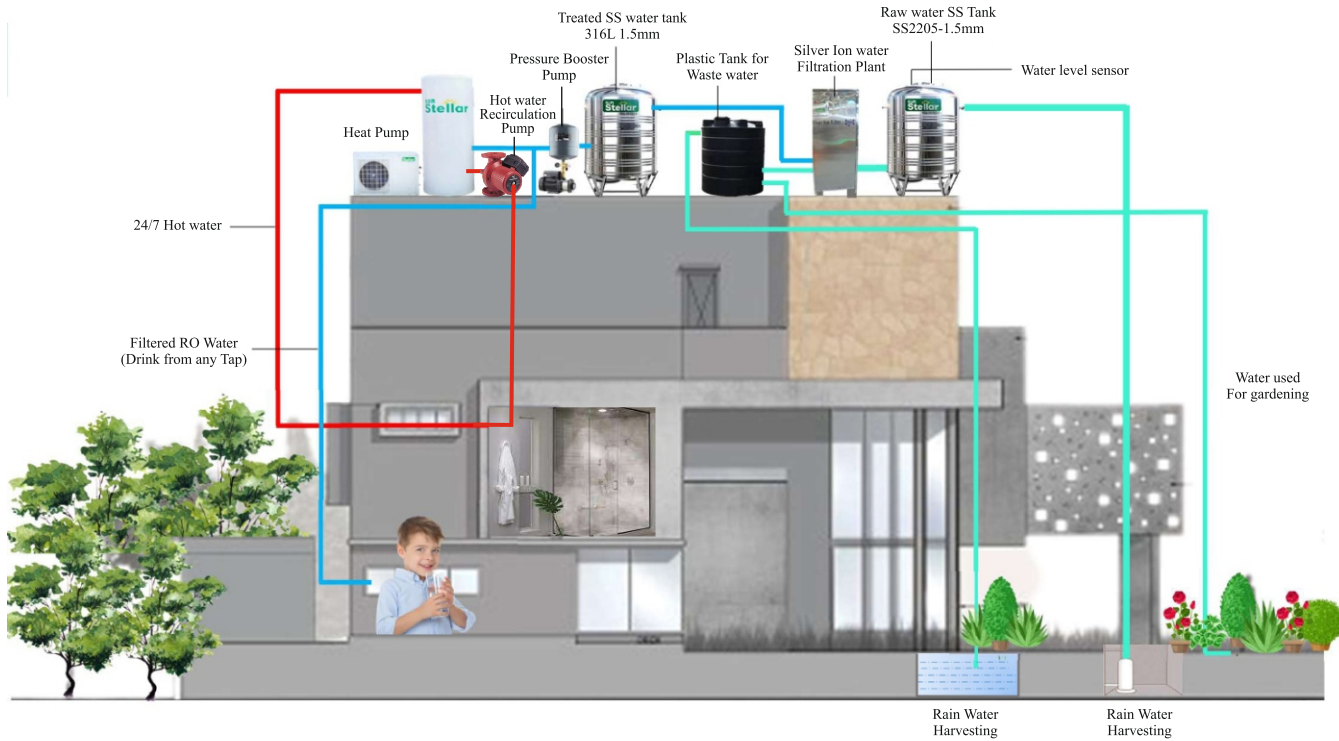


Water Softner



SS Headers & Manifolds

WORKING OF A WATER MANAGEMENT SYSTEM



INSTALLATIONS





Rising with the sun...



SF-28, 30 Cross River Mall, Delhi 110032



Khasra # 12/21-22, Village Jalalpur 1,
Tehsil Bapoli, Panipat 132104. Haryana



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