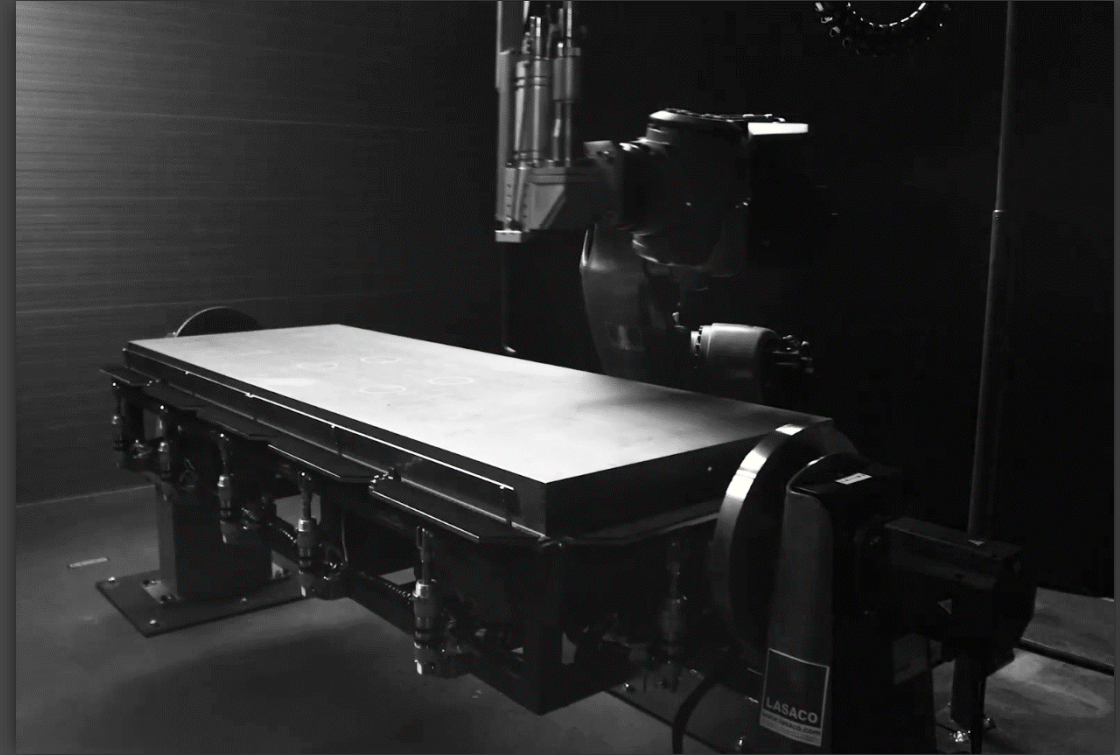




**WORLD'S MOST REVOLUTIONARY SOLAR WATER HEATER.**

## **TECHNICAL PRESENTATION**

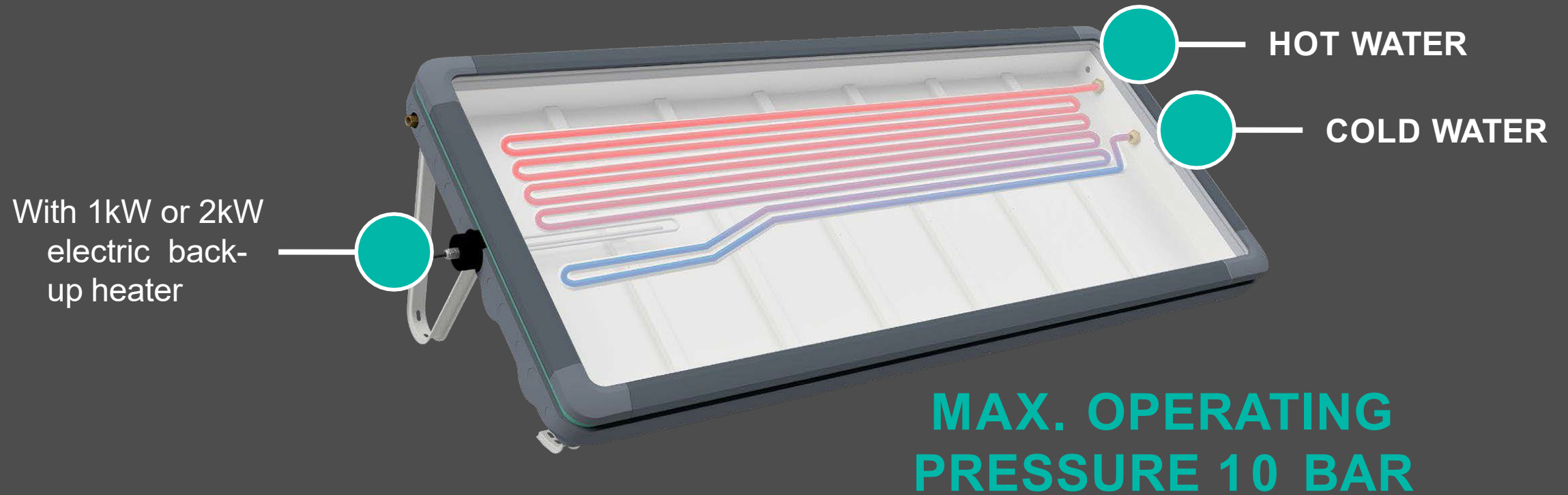
# HIGHLY AUTOMATED MANUFACTURING



MADE IN AUSTRIA

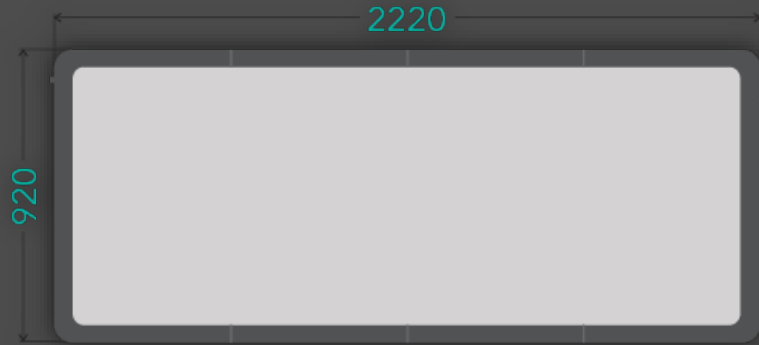


# FUNCTIONAL PRINCIPLE





# LIGHTWEIGHT FOR EASY HANDLING



150 lbs



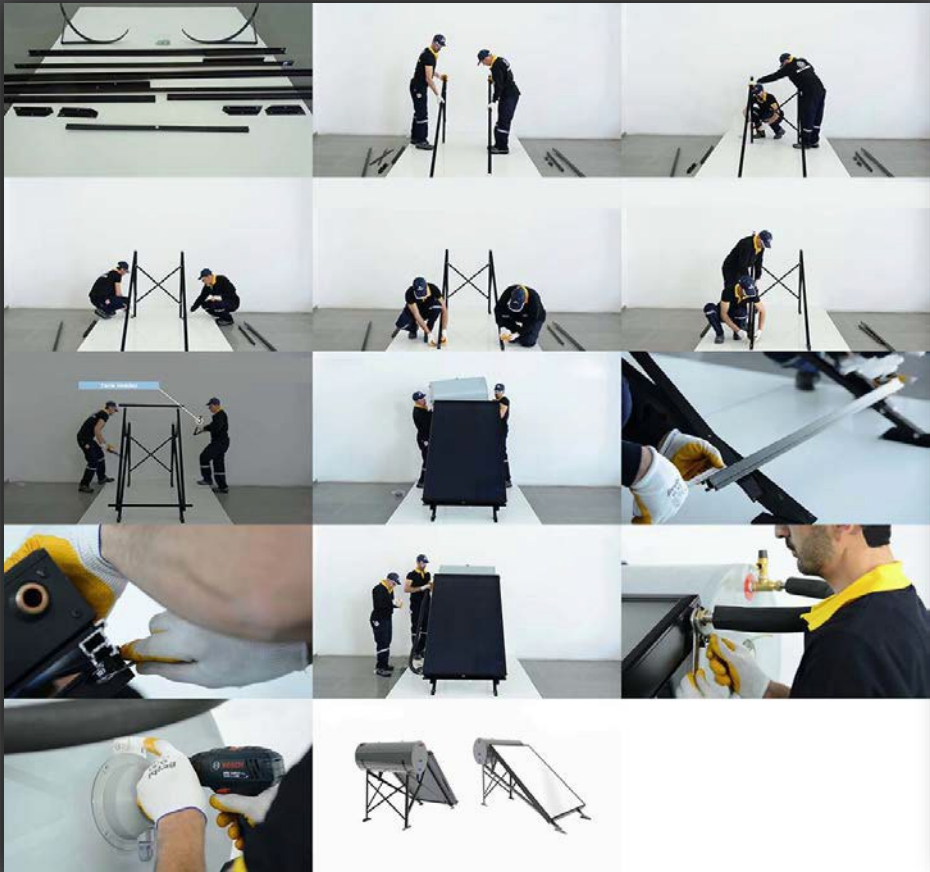
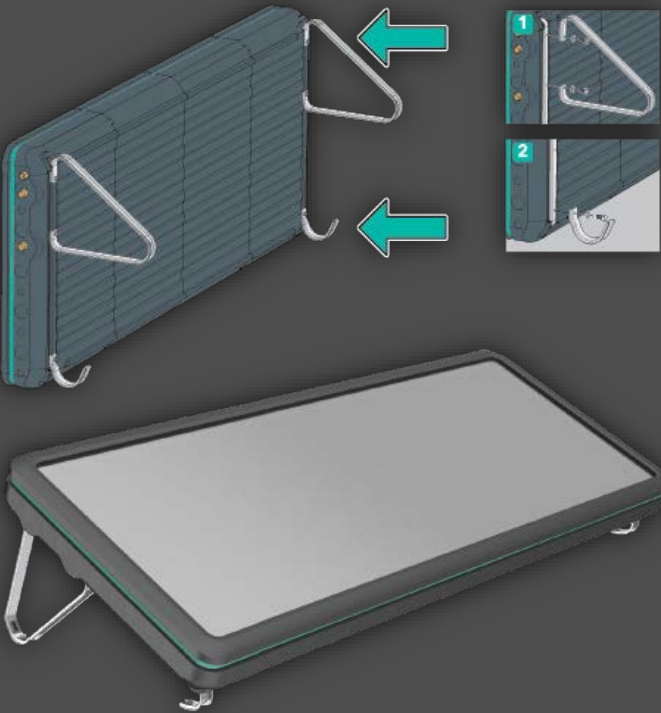
**SUNPAD** requires only two persons



Requires a crane to lift the collector & tank separately

**CONVENTIONAL SWH**

# FAST & EASY ASSEMBLY



Part Name	Quantity
Support ( Stainless Stell )	2
Support ( Black Painted )	4
8*60 Wood Screw	18
M8*25 Screw	12
M8 Nut	12
Tank Holder	2
2400*40*40 mm	1
2400*40*40 mm	1
Aluminum Profile	2

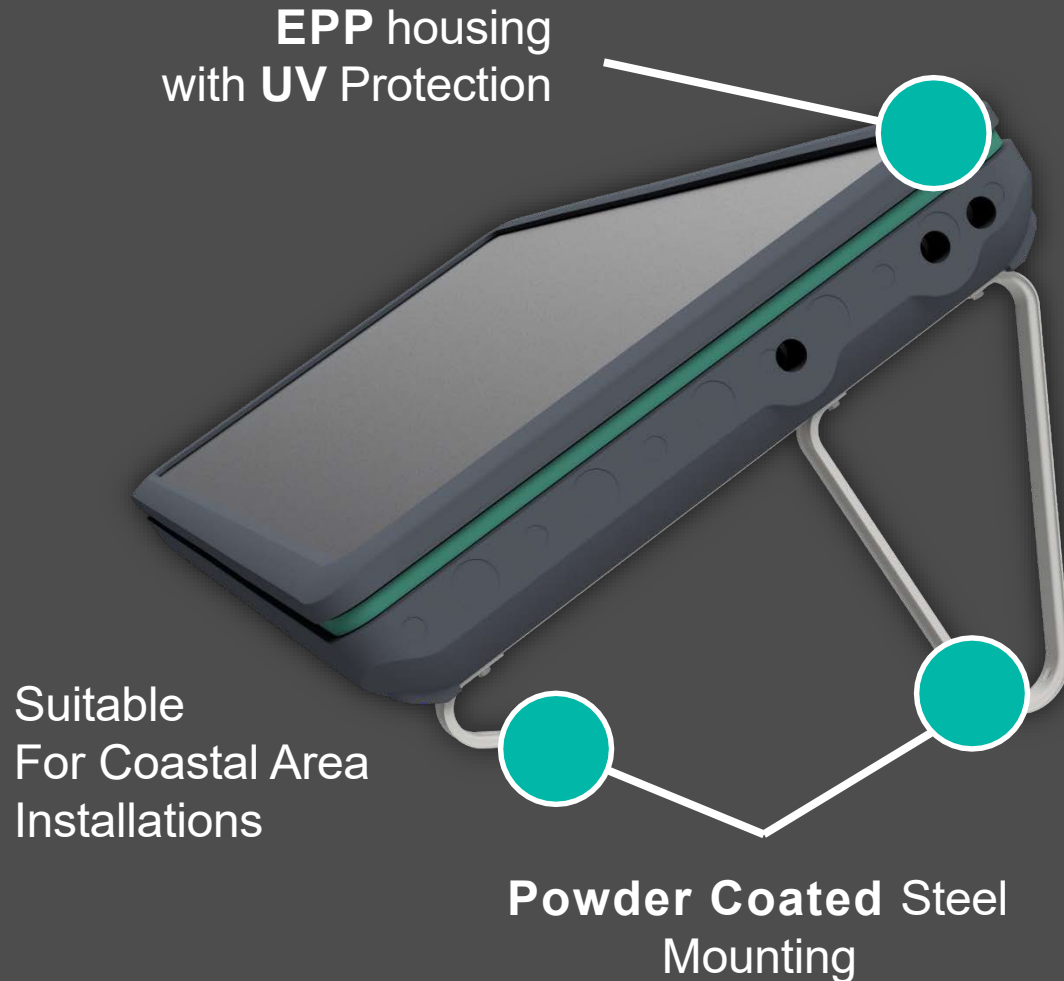


CONVENTIONAL SWH

# INNOVATIVE MATERIALS



## EXTERIOR CORROSION RESISTANT



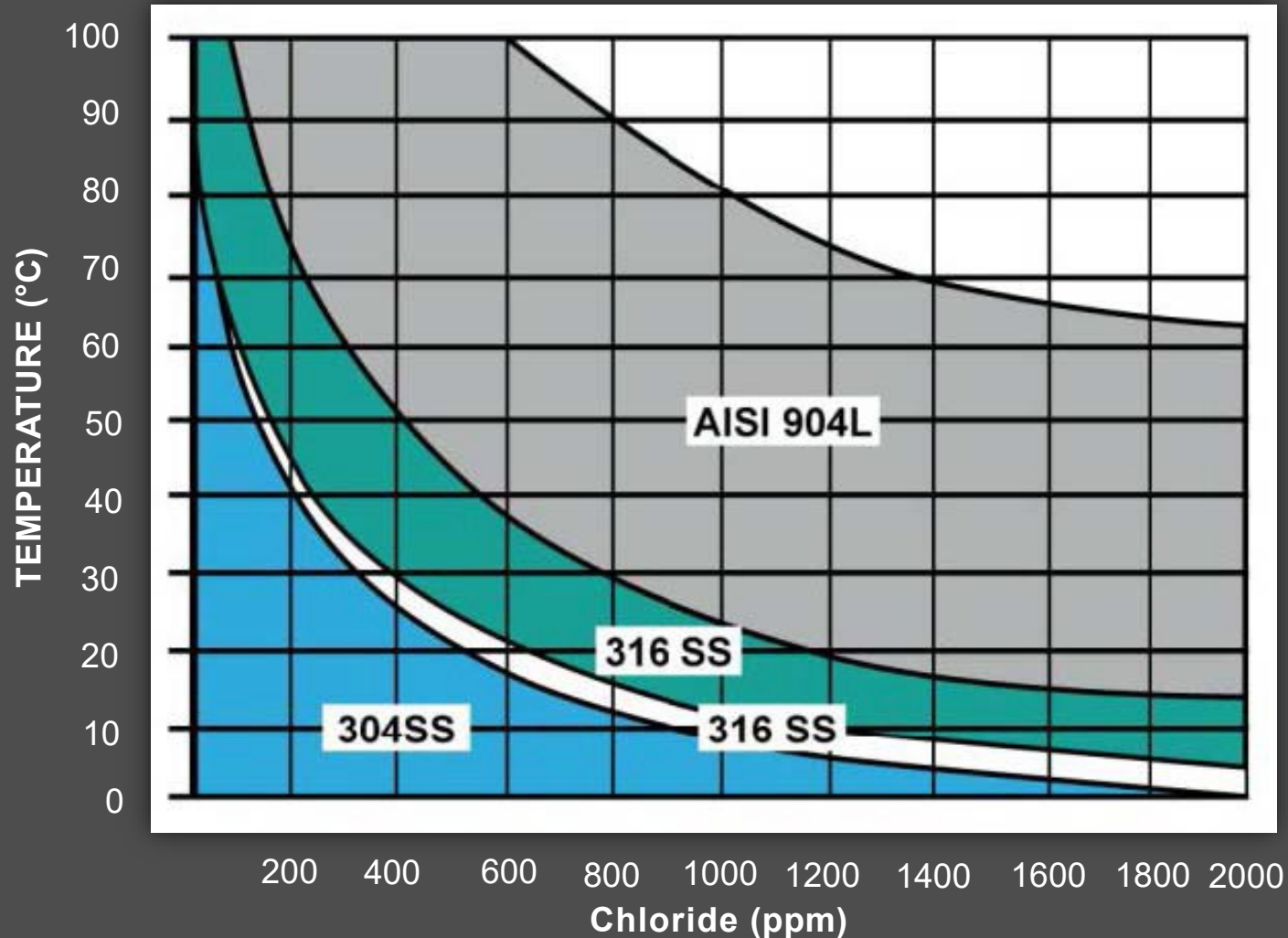
**Conventional** Solar Water Heaters' exterior are prone corrosion



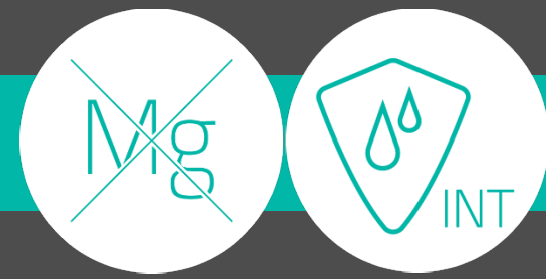
# INNOVATIVE MATERIALS



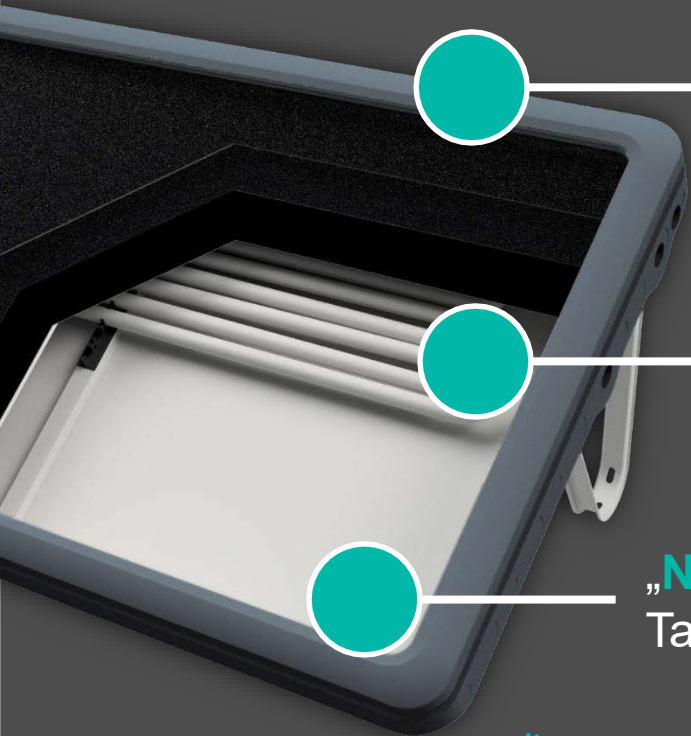
## CORROSION DIAGRAM – AISI 904L STAINLESS STEEL HEAT EXCHANGER



# VIRTUALLY MAINTENANCE FREE



## INTERNAL CORROSION RESISTANT



No Magnesium Anode Replacement

Stainless Steel  
**AISI 316L or AISI 904L**  
Heat Exchanger  
**Fresh Water Rated**

„**NEW**“ Stainless Steel  
Tank since march 2022

  
**SUNPAD**

More than 22k sold,  
not a single case  
with corrsion.....



**CONVENTIONAL SWH**



# VIRTUALLY MAINTENANCE FREE

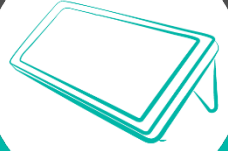


## SAFE FROM OVER HEATING



CONVENTIONAL SWH

# LOW PROFILE



CONVENTIONAL SWH



# WINDLOAD



## SUNPAD AT 30° ANGLE

Windload Rear at 210 km/h	Windload from the side at 210 km/h
2.16 kN	0.35 kN

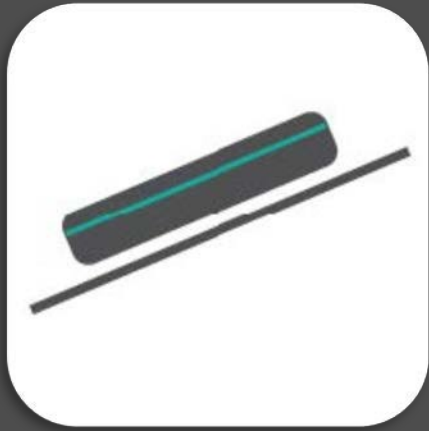
## CONVENTIONAL SWH AT 30° ANGLE

Windload Rear at 210 km/h	Windload from the side at 210 km/h
3.49 kN	1.11 kN





# MOUNTING POSSIBILITIES



**Pitched  
Rooftop  
Mounting**

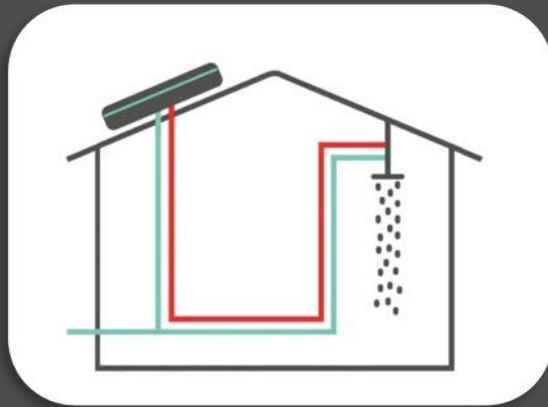


**Flat Roof 20°**

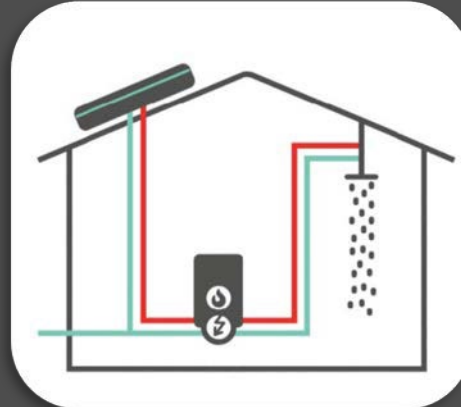


**Flat Roof 30°**

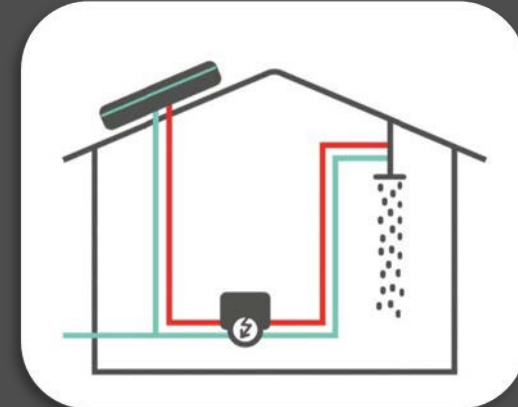
# CONNECTION POSSIBILITIES



**Only solar  
With 1kW electric  
back-up heater**

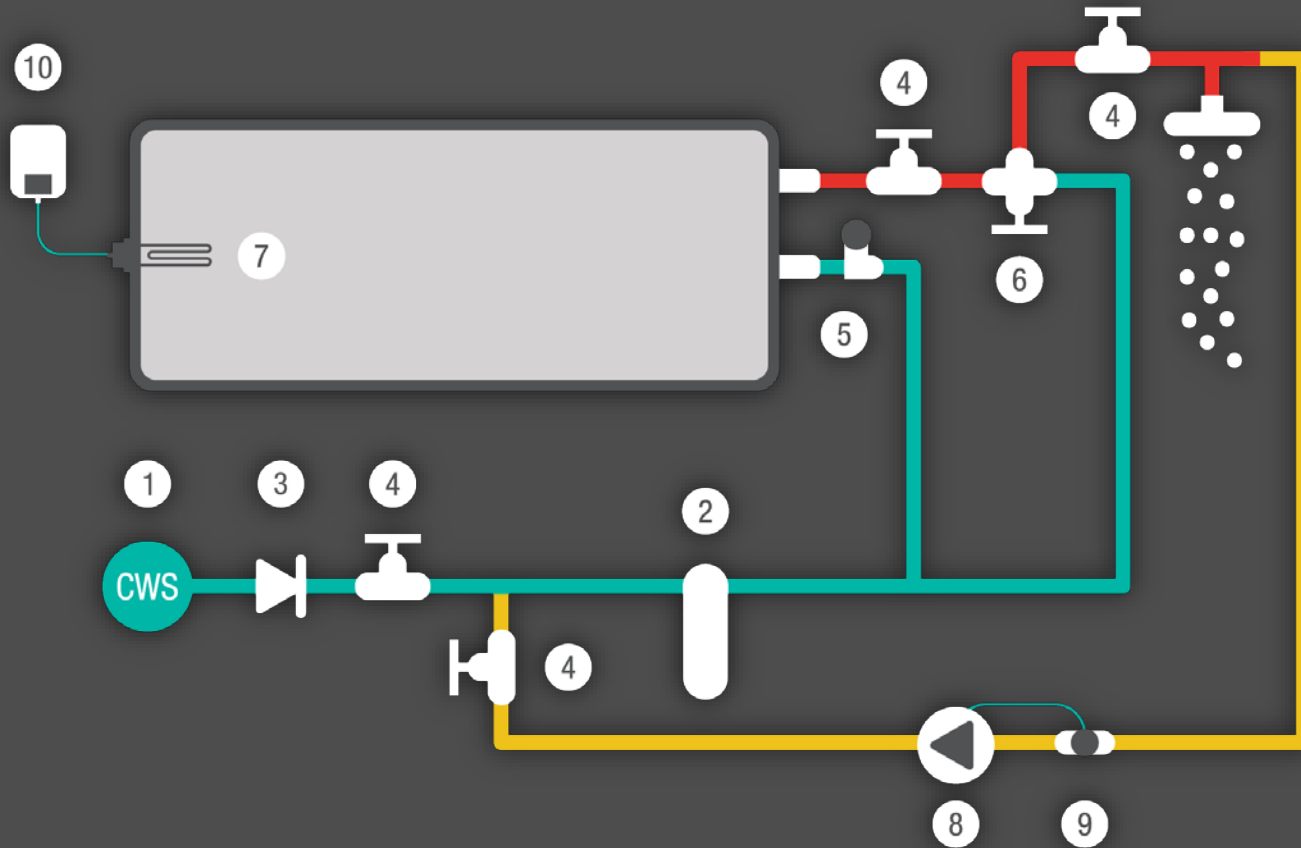
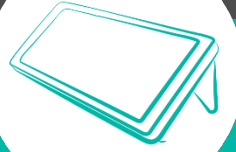


**SUNPAD connected  
In series with electrical  
Or gas boiler**



**SUNPAD connected in  
series with instant  
heater**

# HYDRAULIC SCHEME



- ① Cold water supply
- ② Water filter\*
- ③ Non-return valve
- ④ Shut-off valve\*
- ⑤ Combined non-return & safety valve
- ⑥ Thermostatic mixing valve\*
- ⑦ 1kW electric back-up heater
- ⑧ Recirculation pump\*
- ⑨ Contact thermostat\*
- ⑩ Remote temp. display\*

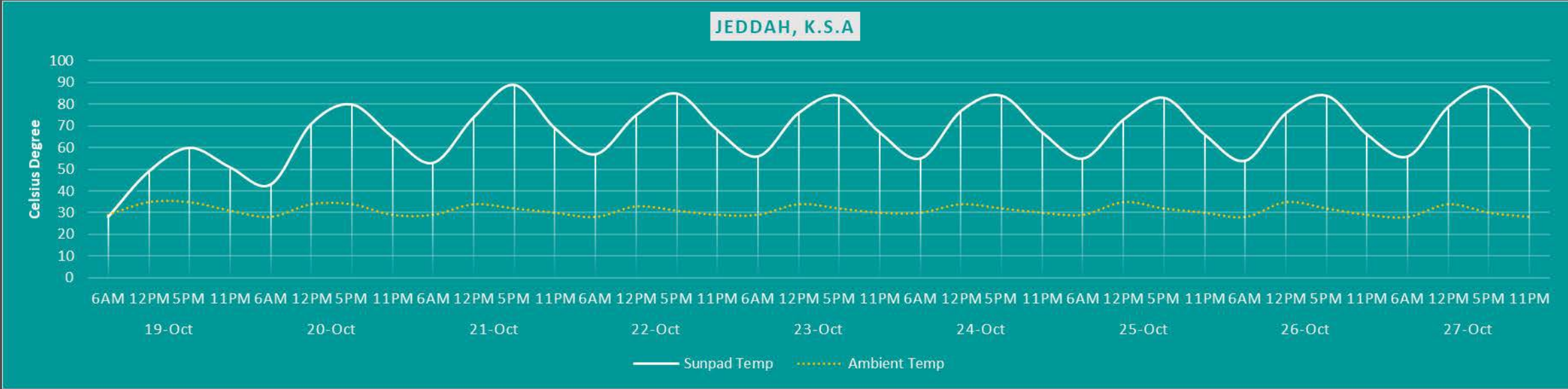
\*Optional



# PERFORMANCE DATA



## TEMPERATURE PROFILE

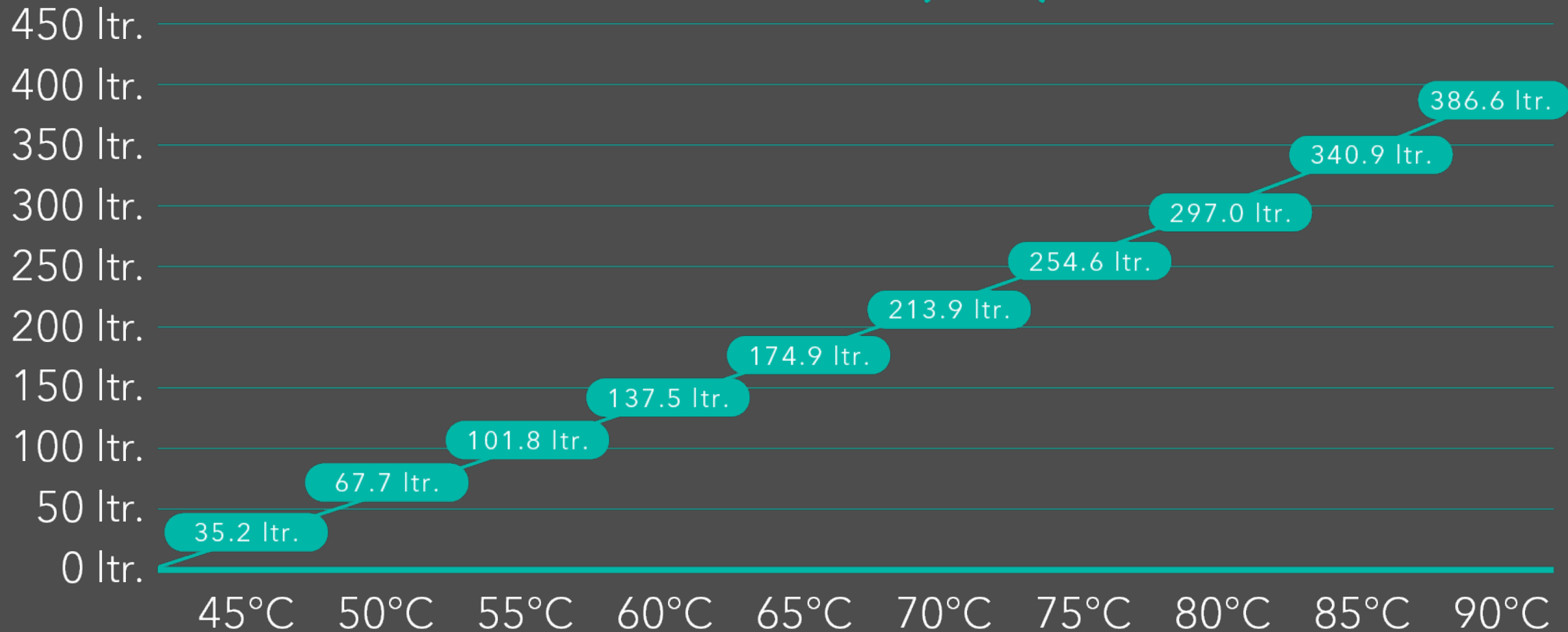


Example Jeddah

# PERFORMANCE DATA



## TAPPING CAPACITY (40°C)

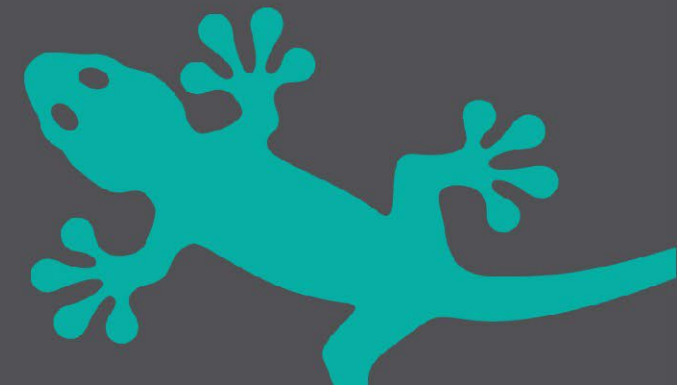


# WARRANTY & CERTIFICATION



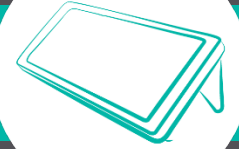
**Warranty:**  
**5 years for product**  
**2 years for components (eg: heat rod, valves)**

**Solar Keymark Certificate**  
**SRCC Certificate**  
**ISO 9001**  
**ISO 14001**  
**ISO 18001**





# LOGISTICS ADVANTAGE



20" container	<del>36</del> 54
40" container	<del>90</del> 108
40" HC container	<del>100</del> 120
Units per pallet	9 or 10



For more information and pricing contact: Eco-\$mart, Inc. 941.376.8484 ph / [info@eco-smart.com](mailto:info@eco-smart.com)