

# Product Selection Guide



■ Electric water heaters

■ Renewable energy water heaters

**Water heating, air heating, air conditioning and ventilation,** GROUPE ATLANTIC develops high-performance solutions that are both competitive and environmentally friendly. Distributed in over 70 countries, they are designed for individual homes, collective housing, offices, shops, schools, airports, hospitals and all other commercial buildings.



- **13 strategic and leading brands**
- **7100 employees**, including 3200 outside of France
- **23 industrial sites**: 11 in France and 12 in several other countries
- **€1.66 bn in turnover**, 40% of which is generated outside of France
- **4% of turnover** allocated to R&D



[www.groupe-atlantic.com](http://www.groupe-atlantic.com)



# Worldwide expert in thermal comfort solutions

Atlantic is a **multi-energy brand** manufacturing heating, water heating and ventilation solutions for residential and commercial markets across the globe. It aims at constantly **strengthening its customers' satisfaction** by increasing and **improving its product portfolio**, as well as **getting closer to its customers**.

To this end, Atlantic has succeeded in improving and completing its water heating solutions to comply with new European environmental standards, and offers a coherent **range of water heaters from 10 L to 3000 L**. It also keeps focusing its **R&D investments** on developing new **eco-friendly solutions for heating and water heating**.

With this new extended and improved offer, customers benefit from Atlantic's latest technologies and energy-saving solutions.

## LATEST KEY FACTS:

- 2017** Factory opening in Georgia for electric water heaters manufacturing
- 2016** Opening of a representative office in Dubai  
Creation of German subsidiary Austria Email GmBH
- 2015** Factory opening in France for heat pumps and boilers manufacturing  
Acquisition of a UK market leader for wall-mounted condensing gas boilers and commercial gas boilers
- 2014** Factory opening in Thailand for electric water heaters manufacturing

## ATLANTIC PRODUCTS PORTFOLIO:

The most extensive range to benefit customers



## ATLANTIC FACTORIES AROUND THE WORLD



- 11 industrial sites in France
- 12 industrial sites abroad preserving French know-how

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# Atlantic guides you through GCC Energy Regulation

## 1 SAFETY REGULATION



Gulf Technical Regulation  
on Low Voltage Electrical  
Equipment and Appliances

### G-MARK

The G-Mark license is a regulation done by the Gulf Standardization Organization (GSO) which is a government body within a supranational organization called the Gulf Cooperation Council (GCC). The member countries are UAE/SAUDI ARABIA/BAHRAIN/OMAN/YEMEN/QATAR/KOWEIT

G-Mark is a safety requirement for Low Voltage Electrical Equipment and Appliances sold into GSO country members. Each device has to be meet with the essential Safety Requirements of the Low Voltage Technical Regulation: BD-142004-01.

## 2 QUALITY CERTIFICATION

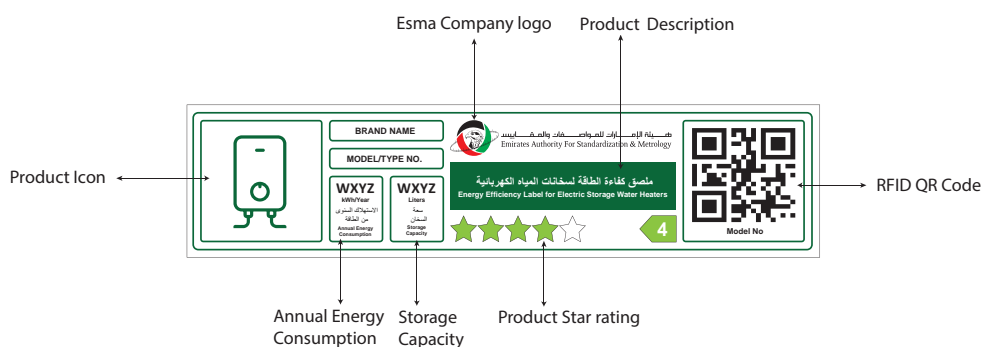


علامة الجودة الإماراتية  
Emirates Quality Mark

### ESMA QUALITY MARK

ESMA – Emirates Authority for Standardization & Metrology, also known as the Regulating Body, is the UAE's national standards body mandated to implement this regulation.

The ESMA QUALITY MARK is a mark of conformity granted to the products that can demonstrate compliance with the relevant UAE National Standards, Regional and/or International Standards and are manufactured by an organization implementing an effective Quality Management System to ensure continuous compliance.



### ENERGY EFFICIENCY LABEL

This UAE regulation deals with methods for measuring the energy and water consumption for household use, with or without heating devices and for cold and/or hot water supply.

Energy Efficiency rating is classified into 5 star categories, having 5-stars for the most efficient, and 1-star for the least efficient product in terms of energy consumption.

# Atlantic technologies

Atlantic develops exclusive patented technologies to achieve long-lasting functionality for day-to-day use along with optimal efficiency and savings

## 1 HEATING ELEMENTS

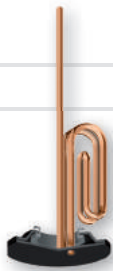


**Ceramic dry heating element:**  
**Outstanding and unique patented Steatite technology, adapted to highly mineralised, desalinated or hard water**

The Steatite heating element is protected by an enamelled steel sleeve. This grants a large heat exchange surface, which reduces limescale and heating noise. In addition to being extremely efficient, the ceramic heating element is particularly well-adapted to aggressive, highly

mineralised and desalinated water. When replacing the water heater, it doesn't need to be drained for maintenance, a real bonus for professionals and home owners.

- Low charge per cm<sup>2</sup> on the exchange surface = reduced limescale formation
- Large exchange surface = less noise when heating
- Heating element has no direct contact with water
- Power from 1200 W to 3000 W



**Direct immersion heating element: An approved solution**

The sheathed heating element is made from copper or stainless steel. It offers high-level performance thanks to its balanced charge, providing extra longevity. Power from 800 W to 3000 W.

## 2 ANTI-CORROSIVE PROTECTION



**Patented ACI hybrid system:**  
**Maximum protection to the tank.**

The titanium anode located at the center of the appliance is driven by an electronic PCB board that produces a millivoltage electric current sent to the water, providing the tank with a lifetime protection. A control light indicates that the ACI hybrid system is operational.



**Exclusive O'Pro technology:**  
**Passive electronic anti-corrosive system (Ohmic resistor)**

The ohmic resistor is a passive electronic anti-corrosive device. It balances out the electrical potential of the tank and immersion heating element. The magnesium anode life is considerably increased and protection against corrosion is reinforced.



**Classic magnesium anode**

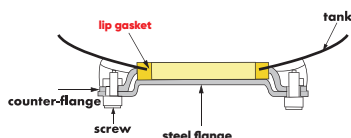
The sacrificial magnesium anode is located in the center of the enamelled tank and provides excellent protection against corrosion.

### 3 TANK PROTECTION



#### Glass-lined tank & welding: The key for long life and reliability

Glass-lined tank & welding are the key to a reliable water heater. Atlantic uses metal-free welding only (aeronautical industry know-how) and exclusive diamond-quality enamel with a high pourcentage of zirconium oxide.



#### Reinforced protection against corrosion with double lip gasket

Unprotected steel parts in contact with water are the weakest parts of all water heaters, most leakages originate from there. Atlantic uses a unique lip gasket, granting no contact between the steel tank edge and water.

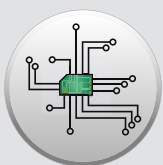
### 4 ENERGY SAVINGS



#### High-density and environmentally friendly insulation

The polyurethane foam insulation prevents thermal bridges and helps to maintain water at the set temperature for a longer period of time. Atlantic foam contains 0% CFC and its high density reduces heat loss.

### 5 HIGH-PRECISION CONTROLS



Atlantic offers 2 types of controls, from classic and reliable ones to digital and highly accurate ones, to provide temperature control accuracy and energy savings.

#### • Electronic thermostat + digital control panel

- Electronic sensors driven by PCB multiple diagnostic & functional options
- The most accurate control and energy savings
- Modern and easy-to-use solution

#### • Mechanical thermostat (bulb or rod thermostat)

- Manual temperature control through frontal knob/bottom knob/internal controls
- Reliable solution: Safety through independent security device (bulb thermostat)

### 6 INTELLIGENT & REMOTE PILOTING



#### COZYTOUCH – innovative technology to simply connect your home





















Home automation: Controlling heat pump water heater from afar through a smartphone or a tablet. Connecting the user's home to intelligent & remote piloting provides comfort, security and energy savings every day by making the automated or motor-operated equipment of the user's home more efficient.

# ELECTRIC WATER HEATERS

	Central domestic water heaters			Medium capacity water heaters			
	O'Pro Central Domestic			O'Pro+		O'Pro Classic	
							
CAPACITY (L)	150/200		200/250/ 300/500	30/50/80/ 100/120	50/80/ 100	50/80/100	
MODELS							
OUTPUT (W)	2200	2200	2200 to 5000	1200 to 2000	1500	1500	
ELECTRIC HEATING ELEMENT	Copper			Copper		Copper	
TANK PROTECTION TECHNOLOGY							
MAGNESIUM ANODE	+			+		+	
INTERFACE	Internal controls			Bottom knob		Bottom knob	
DIELECTRIC UNION	•	•	-	•		•	
PRESSURE RELIEF VALVE	•			•		•	
THERMOMETER	-			•		•	
HEATING LIGHT INDICATOR	•*			•		•	
COLOURS							
ESMA ENERGY EFFICIENCY	★★★★★	★★★★★	★★★★★	★★★★★*		★★★★★	★★★★★*
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Medium capacity water heaters						Point-of-use water heaters			
O'Pro Classic 1200 W		O'Pro Classic 800 W		Atlantic Ego		E-Series		O'Pro Small & Slim	
									
50/80/100		50/80/100		30/50/80/ 100/120	50/80/100	30/50/ 80/100	50/80/100	10/15/30	10/15
								Above sink	Under sink
1200		800		1200 to 1500	1500	1200 to 1500	1500	1600 to 2000	2000
Copper		Copper		Copper		Copper		Copper	
 + ●		 + ●		- ●		- ●		 + ●	
External knob		External knob		Internal controls		Internal controls		Bottom knob	Top knob
●		●		●		-		●	
●		●		●		●		●	
●		●		●		●		-	
●		●		●		●		●	
									
★★★★★ ★★★★★*		★★★★★*		★★★★★*		★★★★★	★★★★★*	★★★★★*	
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\* Depending on models

# O'Pro Central Domestic

Robust central domestic water heater equipped with O'Pro protection



## PRODUCT

### COMFORT

- Large variety of sizes to meet all installation requirements
- Vertical and horizontal wall-mounted & floor-standing models available
- Large tank capacity for more hot water

### QUALITY - DURABILITY

- Long tank lifetime thanks to O'Pro exclusive anti-corrosive system to permanently combat rust
- Magnesium anode for strengthened tank protection
- New generation diamond-quality enamel (glass-lined inner tank)
- Pressure relief valve
- Dielectric union
- Specific lip gasket to prevent corrosion around flange

### USER-FRIENDLINESS

- IP 24 – full compliance with European standards for electrical safety and user protection
- Heating light indicator

### SAVINGS

- Mechanical thermostat with integrated security
- High-efficiency water inlet
- CFC-free high-density insulation for more energy savings

# ELECTRIC WATER HEATER

150 TO 200 L  
(VERTICAL AND HORIZONTAL WALL-MOUNTED)

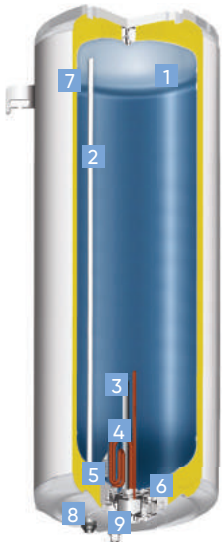
200 TO 500 L  
(FLOOR-STANDING)



WARRANTY  
5 YEARS

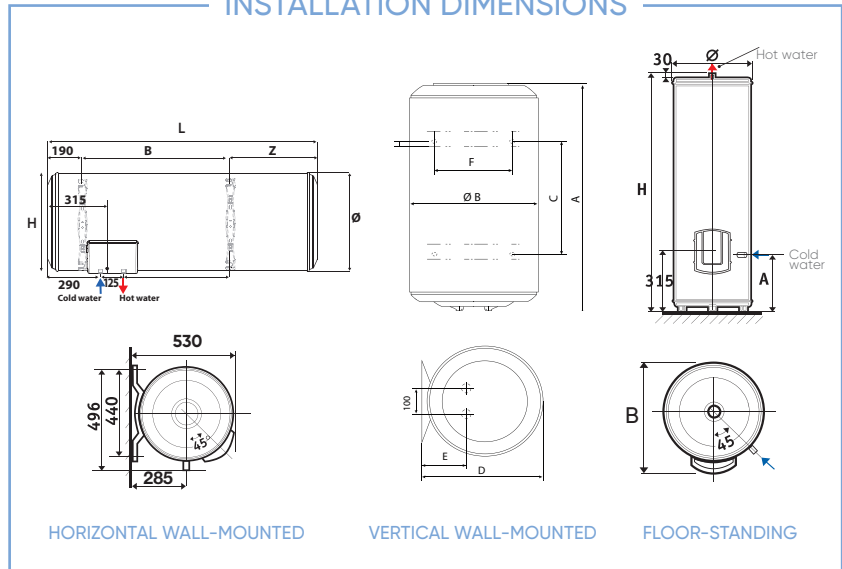


For more information see p.6



- 1 Diamond-quality enamel (glass-lined inner tank)
- 2 Optimised stainless outlet pipe
- 3 Magnesium anode
- 4 Sheathed immersion heating element
- 5 Inlet diffuser
- 6 O'Pro anti-corrosive system
- 7 High-density polyurethane foam 0% CFC
- 8 Dielectric union
- 9 Thermostat

## INSTALLATION DIMENSIONS



## TECHNICAL DATA

CAPACITY (L)	OUTPUT (W)	VOLTAGE (V)	ENERGY CONSUMPTION (kWh/24 h AT 65°C)	HEAT-UP TIME AT 60°C (ΔT=50°C)	HOT WATER CAPACITY AT 40°C (L)	COOLING CONSTANT
<b>O'Pro Central Domestic Vertical wall-mounted</b>						
150	2200	230	1.49	4h30	239	-
200	2200	230	1.86	6h01	376	-
<b>O'Pro Central Domestic Horizontal wall-mounted</b>						
150	2200	230 single phase	1.55	3h53	277	0.25
200	2200	230 single phase	1.88	4h56	371	0.22
<b>O'Pro Central Domestic Floor-standing</b>						
200	2200	230 single phase	1.86	4h55	354	0.20
250	3000	230 single phase	2.13	4h32	465	0.19
300	3000	230 single phase	2.43	5h43	531	0.18
500	5000	400 V 3-phases & 230 V single phase	2.46	5h53	Criteria measured on tanks ≤ 300L	0.11

## DIMENSIONS

CAPACITY (L)	DIMENSIONS (mm)											FLANGE OPENING (Ø) mm	NET WEIGHT (Kg)	ESMA ENERGY EFFICIENCY
	DEPTH	Ø	A	B	C	D	E	F	H	L	Z			
O'Pro Central Domestic Vertical wall-mounted														
150	-	-	1240	505	800	530	175	440	-	-	-	72	41	★★★★★
200	-	-	1570	513	800	540	175	440	-	-	-	72	52	★★★★★
O'Pro Central Domestic Horizontal wall-mounted														
150	530	-	-	800	-	-	-	-	580	1190	150	72	41	★★★★★
200	530	-	-	800	-	-	-	-	580	1510	470	72	50	★★★★★
O'Pro Central Domestic Floor-standing														
200	-	575	300	590	-	-	-	-	1275	-	-	-	51	★★★★★
250	-	575	300	590	-	-	-	-	1500	-	-	-	63	★★★★★
300	-	575	300	590	-	-	-	-	1780	-	-	-	73	★★★★★
500	-	750	310	850	-	-	-	-	1840	-	-	-	154	★★★★★

# O'Pro +

Wide range with O'Pro protection technology for +50% tank lifetime



## + PRODUCT

### COMFORT

- Control knob on the bottom of the tank
- Flat chromed thermometer
- Wide range of capacities and models to fit all interior requirements

### QUALITY - DURABILITY

- Long tank lifetime thanks to O'Pro exclusive anti-corrosive system
- Magnesium anode for strengthened tank protection
- New generation diamond-quality enamel (glass-lined inner tank)
- Pressure relief valve
- Dielectric union
- Specific lip gasket to avoid corrosion around flange

### USER-FRIENDLINESS

- IP 24 - full compliance with European standards for electrical safety and user protection
- Heating light indicator

### SAVINGS

- High-efficiency water inlet
- CFC-free high-density insulation for more energy savings



# ELECTRIC WATER HEATER

30 TO 120 L (VERTICAL WALL-MOUNTED)

50 TO 100 L (HORIZONTAL WALL-MOUNTED)



For more information see p.6



- 1 External thermometer
- 2 Diamond-quality enamel (glass-lined inner tank)
- 3 Optimised stainless outlet pipe
- 4 Magnesium anode
- 5 Sheathed immersion heating element
- 6 Inlet diffuser
- 7 Thermostat
- 8 High-density polyurethane foam 0% CFC
- 9 O'Pro anti-corrosive system
- 10 Bottom control knob
- 11 Dielectric union

## TECHNICAL DATA

CAPACITY (L)	OUTPUT (W)	VOLTAGE (V)	ENERGY CONSUMPTION (kWh/ 24 h AT 65°C)	HEAT-UP TIME AT 60°C (ΔT=50°C)
O'Pro+ Vertical wall-mounted				
30	1200	230 (220-240)	0.68	1h19
50	2000 <sup>(1)</sup>	230 (220-240)	0.903	1h25
80	2000 <sup>(1)</sup>	230 (220-240)	1.213	2h34
100	2000 <sup>(1)</sup>	230 (220-240)	1.523	3h05
120	2000 <sup>(1)</sup>	230 (220-240)	1.905	3h54
O'Pro+ Horizontal wall-mounted				
50	1500	230 (220-240)	1.062	1h48
80	1500	230 (220-240)	1.327	2h53
100	1500	230 (220-240)	1.608	3h58

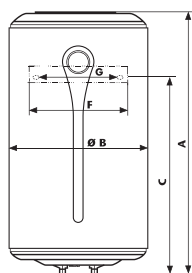
## DIMENSIONS

CAPACITY (L)	DIMENSIONS (mm)							FLANGE OPENING (Ø) mm	NET WEIGHT (Kg)	ESMA ENERGY EFFICIENCY
	A	B	C	D	E	F	G			
O'Pro+ Vertical wall-mounted										
30	448	433	248	451	158	300	239	72	12	★★★★★
50	612	433	382	451	158	300	239	72	16	★★★★★
80	859	433	592	451	158	300	239	72	20	★★★★★
100	1021	433	742	451	158	300	239	72	22	★★★★★
120	1186	433	917	451	158	300	239	72	29	★★★★★
O'Pro+ Horizontal wall-mounted										
50	596	433	198	451	228	346	-	72	15	★★★★★
80	843	433	349	451	228	346	-	72	21	★★★★★
100	1005	433	497	451	228	346	-	72	24	★★★★★

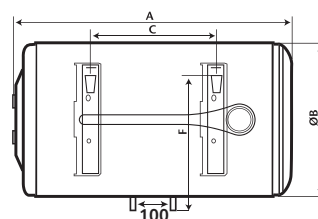
(1) Depending on models

IP 24

## INSTALLATION DIMENSIONS



VERTICAL WALL-MOUNTED



HORIZONTAL WALL-MOUNTED

# O'Pro Classic

Electric water heater equipped with O'Pro exclusive anti-corrosive system



## + PRODUCT

### COMFORT

- Elegant design
- Control knob on the bottom of the tank
- Flat thermometer

### QUALITY - DURABILITY

- Long tank lifetime thanks to O'Pro exclusive anti-corrosive system
- Magnesium anode for strengthened tank protection
- New generation diamond-quality enamel (glass-lined inner tank)
- Pressure relief valve
- Dielectric union
- Specific lip gasket to avoid corrosion around flange

### USER-FRIENDLINESS

- IP 24 or IP 25 - full compliance with European standards for electrical safety and user protection
- Heating light indicator

### SAVINGS

- Mechanical thermostat with integrated security
- High-efficiency water inlet
- CFC-free high-density insulation for more energy savings

# ELECTRIC WATER HEATER

50 TO 100 L (VERTICAL WALL-MOUNTED)

50 TO 100 L (HORIZONTAL WALL-MOUNTED)



For more information see p.6



- 1 Diamond-quality enamel (glass-lined inner tank)
- 2 Optimised stainless steel outlet pipe
- 3 Hanging jig
- 4 Inlet diffuser
- 5 Sheathed immersion heating element
- 6 O'Pro anti-corrosive system
- 7 Dielectric union
- 8 Thermostat
- 9 High-density insulation foam
- 10 Magnesium anode
- 11 External thermometer

## TECHNICAL DATA

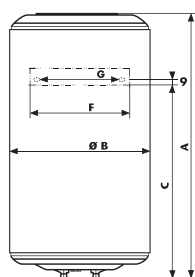
CAPACITY (L)	OUTPUT (W)	VOLTAGE (V)	HEAT-UP TIME AT 60°C (ΔT=20°C)	HEAT-UP TIME AT 60°C (ΔT=50°C)	ENERGY CONSUMPTION (kWh/24 h AT 65°C)
O'Pro Classic Vertical wall-mounted					
50	1500	230 (220-240)	0h48	1h53	0.913
80	1500	230 (220-240)	1h17	3h09	1.83
100	1500	230 (220-240)	1h36	3h48	1.55
O'Pro Classic Horizontal wall-mounted					
50	1500	230 (220-240)	0h39	1h38	0.945
80	1500	230 (220-240)	1h03	2h38	1.216
100	1500	230 (220-240)	1h26	3h36	1.67

## DIMENSIONS

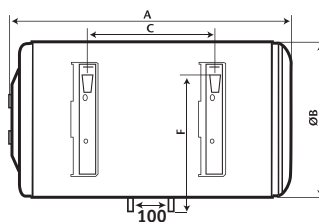
CAPACITY (L)	DIMENSIONS (mm)							FLANGE OPENING (Ø) mm	NET WEIGHT (Kg)	ESMA ENERGY EFFICIENCY
	A	B	C	D	E	F	G			
O'Pro Classic Vertical wall-mounted										
50	612	433	380	451	165	300	240	72	16	★★★★★
80	859	433	590	451	165	300	240	72	20	★★★★★
100	1021	433	740	451	165	300	240	72	22	★★★★★
O'Pro Classic Horizontal wall-mounted										
50	596	433	160	451	234	343	-	72	15	★★★★★
80	843	433	335	451	234	343	-	72	21	★★★★★
100	1005	433	510	451	234	343	-	72	24	★★★★

IP 25 vertical IP 24 horizontal

## INSTALLATION DIMENSIONS



VERTICAL WALL-MOUNTED



HORIZONTAL WALL-MOUNTED

# O'Pro Classic 1200 W

Efficient energy-saving water heater with reinforced tank protection



## PRODUCT

### COMFORT

- Elegant design
- Control knob on the bottom of the tank
- Flat thermometer

### QUALITY - DURABILITY

- Long tank lifetime thanks to O'Pro exclusive anti-corrosive system
- Magnesium anode for strengthened tank protection
- New generation diamond-quality enamel (glass-lined inner tank)
- Pressure relief valve
- Dielectric union
- Specific lip gasket to avoid corrosion around flange

### USER-FRIENDLINESS

- IP 24 or IP 25 - full compliance with European standards for electrical safety and user protection
- Heating light indicator

### SAVINGS

- Low power with only 1.2kW heating element
- Mechanical thermostat with integrated security
- High-efficiency water inlet
- CFC-free high-density insulation for more energy savings



# ENERGY-SAVING WATER HEATER

50 TO 100 L (VERTICAL WALL-MOUNTED)

50 TO 100 L (HORIZONTAL WALL-MOUNTED)



For more information see p.6



- 1 Diamond-quality enamel (glass-lined inner tank)
- 2 Optimised stainless steel outlet pipe
- 3 Hanging jig
- 4 Inlet diffuser
- 5 Sheathed immersion heating element
- 6 O'Pro anti-corrosive system
- 7 Dielectric union
- 8 Thermostat
- 9 High-density insulation foam
- 10 Magnesium anode
- 11 External thermometer

## TECHNICAL DATA

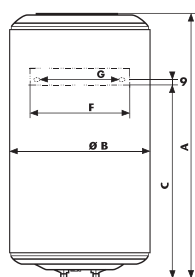
CAPACITY (L)	OUTPUT (W)	VOLTAGE (V)	ENERGY CONSUMPTION (kWh/24 h AT 65°C)	HEAT-UP TIME AT 60°C (ΔT=50°C)
O'Pro Classic 1200 W Vertical wall-mounted				
50	1200	230 (220-240)	0.866	2h21
80	1200	230 (220-240)	1.266	3h56
100	1200	230 (220-240)	1.555	4h45
O'Pro Classic 1200 W Horizontal wall-mounted				
50	1200	230 (220-240)	0.945	2h02
80	1200	230 (220-240)	1.215	3h18
100	1200	230 (220-240)	1.67	4h30

## DIMENSIONS

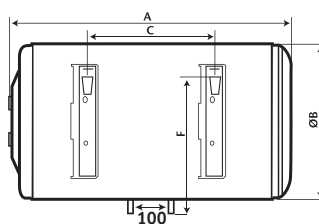
CAPACITY (L)	DIMENSIONS (mm)							FLANGE OPENING (Ø) mm	NET WEIGHT (Kg)	ESMA ENERGY EFFICIENCY
	A	B	C	D	E	F	G			
O'Pro Classic 1200 W Vertical wall-mounted										
50	612	433	380	451	165	300	240	72	16	★★★★★
80	854	433	590	451	165	300	240	72	20	★★★★★
100	1021	433	740	451	165	300	240	72	22	★★★★★
O'Pro Classic 1200 W Horizontal wall-mounted										
50	596	433	160	451	234	343	-	72	16	★★★★★
80	843	433	335	451	234	343	-	72	20	★★★★★
100	1005	433	510	451	234	343	-	72	22	★★★★

IP 25 vertical IP 24 horizontal

## INSTALLATION DIMENSIONS



VERTICAL WALL-MOUNTED



HORIZONTAL WALL-MOUNTED

# O'Pro Classic 800 W

Highly efficient and energy-saving water heater



## + PRODUCT

### COMFORT

- Elegant design
- Control knob on the bottom of the tank
- Flat thermometer

### QUALITY - DURABILITY

- Long tank lifetime thanks to O'Pro exclusive anti-corrosive system
- Magnesium anode for strengthened tank protection
- New generation diamond-quality enamel (glass-lined inner tank)
- Pressure relief valve
- Dielectric union
- Specific lip gasket to avoid corrosion around flange

### USER-FRIENDLINESS

- IP 24 - full compliance with European standards for electrical safety and user protection
- Heating light indicator

### SAVINGS

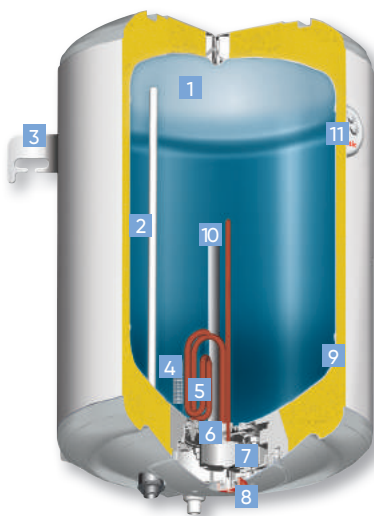
- Low power with only 800 W heating element
- Mechanical thermostat with integrated security
- High-efficiency water inlet
- CFC-free high-density insulation for more energy savings

# ENERGY-SAVING WATER HEATER

50 TO 100 L  
(HORIZONTAL WALL-MOUNTED)



For more information see p.6



- 1 Diamond-quality enamel (glass-lined inner tank)
- 2 Optimised stainless steel outlet pipe
- 3 Hanging jig
- 4 Inlet diffuser
- 5 Sheathed immersion heating element
- 6 O'Pro anti-corrosive system
- 7 Dielectric union
- 8 Thermostat
- 9 High-density insulation foam
- 10 Magnesium anode
- 11 External thermometer

## TECHNICAL DATA

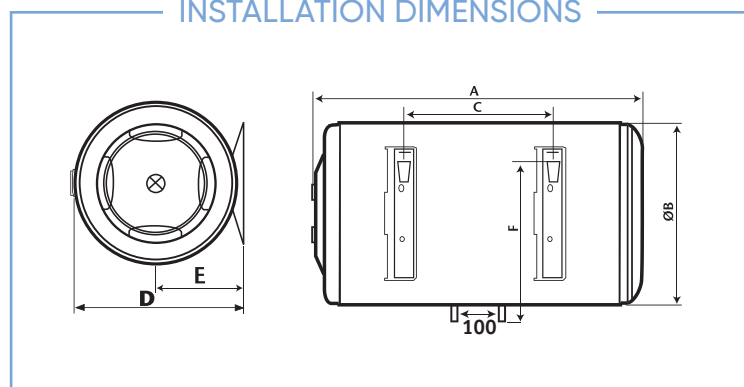
CAPACITY (L)	OUTPUT (W)	VOLTAGE (V)	HEAT-UP TIME AT 60°C (ΔT=20°C)	HEAT-UP TIME AT 60°C (ΔT=50°C)	ENERGY CONSUMPTION (kWh/24 h AT 65°C)
O'Pro Classic 800 W Horizontal wall-mounted					
50	800	230 (220-240)	1h15	2h30	1.27
80	800	230 (220-240)	2h04	4h08	1.51
100	800	230 (220-240)	2h45	5h30	1.67

## DIMENSIONS

CAPACITY (L)	DIMENSIONS (mm)							FLANGE OPENING (Ø) mm	NET WEIGHT (Kg)	ESMA ENERGY EFFICIENCY
	A	B	C	D	E	F	G			
O'Pro Classic 800 W Horizontal wall-mounted										
50	596	433	160	451	234	343	-	72	16	★★★★★
80	843	433	335	451	234	343	-	72	20	★★★★★
100	1005	433	510	451	234	343	-	72	22	★★★★★

IP 24

## INSTALLATION DIMENSIONS



# Atlantic Ego

Classic water heater benefiting from all Atlantic know-how



## + PRODUCT

### COMFORT

- Classic water heater benefiting from all Atlantic know-how
- French style design
- Flat chromed thermometer

### QUALITY - DURABILITY

- Magnesium anode for strengthened tank protection
- New generation diamond-quality enamel (glass-lined inner tank)
- Pressure relief valve
- Dielectric union
- Specific lip gasket to avoid corrosion around flange

### USER-FRIENDLINESS

- IP 24 - full compliance with European standards for electrical safety and user protection
- Heating light indicator

### SAVINGS

- Mechanical thermostat with integrated security
- High-efficiency water inlet
- CFC-free high-density insulation for more energy savings



# ELECTRIC WATER HEATER

30 TO 120 L (VERTICAL WALL-MOUNTED)

50 TO 100 L (HORIZONTAL WALL-MOUNTED)



- 1 External thermometer
- 2 Diamond-quality enamel (glass-lined inner tank)
- 3 Optimised stainless outlet pipe
- 4 Magnesium anode
- 5 Sheathed immersion heating element
- 6 Inlet diffuser
- 7 Heating light indicator
- 8 High-density polyurethane foam 0% CFC

## TECHNICAL DATA

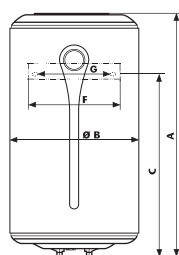
CAPACITY (L)	OUTPUT (W)	VOLTAGE (V)	ENERGY CONSUMPTION (kWh/24 h AT 65°C)	HEAT-UP TIME AT 60°C (ΔT=50°C)
Atlantic Ego Vertical wall-mounted				
30	1200	230 (220-240)	0.68	1h19
50	1500	230 (220-240)	0.918	2h04
80	1500	230 (220-240)	1.215	3h28
100	1500	230 (220-240)	1.5	4h11
120	1500	230 (220-240)	1.885	5h17
Atlantic Ego Horizontal wall-mounted				
50	1500	230 (220-240)	1.062	1h48
80	1500	230 (220-240)	1.327	2h53
100	1500	230 (220-240)	1.608	3h58

## DIMENSIONS

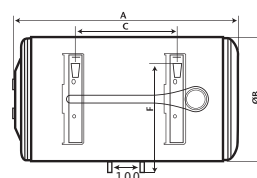
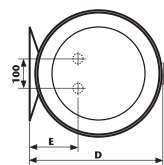
CAPACITY (L)	DIMENSIONS (mm)							FLANGE OPENING (Ø) mm	NET WEIGHT (Kg)	ESMA ENERGY EFFICIENCY
	A	B	C	D	E	F	G			
Atlantic Ego Vertical wall-mounted										
30	448	433	248	451	158	300	239	72	12	★★★★★
50	612	433	382	451	158	300	239	72	16	★★★★★
80	859	433	592	451	158	300	239	72	20	★★★★★
100	1021	433	742	451	158	300	239	72	22	★★★★★
120	1186	433	917	451	158	300	239	72	29	★★★★★
Atlantic Ego Horizontal wall-mounted										
50	596	433	198	451	228	346	-	72	15	★★★★★
80	843	433	349	451	228	346	-	72	21	★★★★★
100	1005	433	497	451	228	346	-	72	24	★★★★★

ENEC IP 24

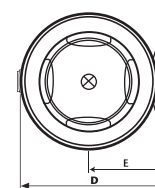
## INSTALLATION DIMENSIONS



VERTICAL WALL-MOUNTED



HORIZONTAL WALL-MOUNTED



# E-Series

Water heater equipped with a magnesium anode and an immersion direct heating element



## + PRODUCT

### QUALITY - DURABILITY

- Magnesium anode for strengthened tank protection
- New generation diamond-quality enamel (glass-lined inner tank)
- Pressure relief valve
- Dielectric union
- Specific lip gasket to avoid corrosion around flange
- Rod type thermostat (regulation + manual reset safety cut-out)

### USER-FRIENDLINESS

- IP 24 or IP 25 - full compliance with European standards for electrical safety and user protection
- Heating light indicator

### SAVINGS

- Mechanical thermostat with integrated security
- High-efficiency water inlet
- CFC-free high-density insulation for more energy savings

# ELECTRIC WATER HEATER

30 TO 100 L (VERTICAL WALL-MOUNTED)

50 TO 100 L (HORIZONTAL WALL-MOUNTED)

WARRANTY  
5 YEARS



- 1 Diamond-quality enamel (glass-lined inner tank)
- 2 Optimised stainless steel outlet pipe
- 3 Magnesium anode
- 4 Inlet diffuser
- 5 CFC-free high-density insulation foam
- 6 Sheathed immersion heating element
- 7 Thermostat with manual reset safety cut-out
- 8 Heating light indicator
- 9 External thermometer
- 10 Bracket for wall-mounting

## TECHNICAL DATA

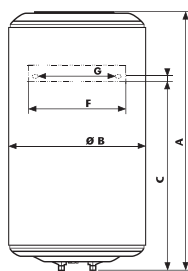
CAPACITY (L)	OUTPUT (W)	VOLTAGE (V)	HEAT-UP TIME AT 60°C (ΔT=20°C)	HEAT-UP TIME AT 60°C (ΔT=50°C)	ENERGY CONSUMPTION (kWh/24 h AT 65°C)
E-Series Vertical wall-mounted					
30	1200	230 (220-240)	0h36	1h12	0.646
50	1500	230 (220-240)	0h48	1h53	0.913
80	1500	230 (220-240)	1h17	3h09	1.282
100	1500	230 (220-240)	1h36	3h48	1.55
E-Series Horizontal wall-mounted					
50	1500	230 (220-240)	0h40	1h38	0.945
80	1500	230 (220-240)	1h06	2h38	1.216
100	1500	230 (220-240)	1h28	3h36	1.67

## DIMENSIONS

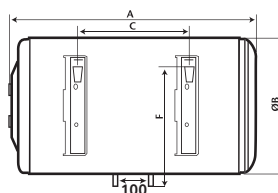
CAPACITY (L)	DIMENSIONS (mm)							FLANGE OPENING (Ø) mm	NET WEIGHT (Kg)	ESMA ENERGY EFFICIENCY
	A	B	C	D	E	F	G			
E-Series Vertical wall-mounted										
30	448	433	235	451	165	300	240	72	11	★★★★★
50	612	433	380	451	165	300	240	72	15	★★★★★
80	859	433	590	451	165	300	240	72	21	★★★★★
100	1021	433	740	451	165	300	240	72	24	★★★★★
E-Series Horizontal wall-mounted										
50	596	433	160	451	234	343	-	-	15	★★★★★
80	843	433	335	451	234	343	-	-	21	★★★★★
100	1005	433	510	451	234	343	-	-	24	★★★★

IP 25 vertical IP 24 horizontal

## INSTALLATION DIMENSIONS



VERTICAL WALL-MOUNTED



HORIZONTAL WALL-MOUNTED

# O'Pro Small & O'Pro Slim

Round-shaped classic point-of-use water heater  
with above & under sink configurations



## + PRODUCT

### COMFORT

- Compact & user-friendly water heater designed to fit in small spaces
  - O'Pro Small: 2 configurations, above & under sink
  - O'Pro Slim: Small diameter (338 mm) water heater with above sink configuration
- Control knob on the bottom of the tank for O'Pro Slim & Small above sink, on the top of the tank for O'Pro Small under sink

### QUALITY - DURABILITY

- Long tank lifetime thanks to O'Pro exclusive anti-corrosive system
- Magnesium anode for strengthened tank protection
- New generation diamond-quality enamel (glass-lined tank)
- Pressure relief valve
- Dielectric union
- Specific lip gasket to avoid corrosion around flange

### USER-FRIENDLINESS

- IP 24 - full compliance with European standards for electrical safety and user protection for O'Pro Small above sink and O'Pro Slim
- IP 25 - full compliance with European standards for electrical safety and user protection for O'Pro Small under sink
- Heating light indicator

### SAVINGS

- Mechanical thermostat with integrated security
- High-efficiency water inlet
- CFC-free high-density insulation for more energy savings

# ELECTRIC WATER HEATER

10 TO 15 L (VERTICAL WALL-MOUNTED  
ABOVE AND UNDER SINK)

30 L  
(SLIM VERTICAL WALL-MOUNTED)



For more information see p.6



## TECHNICAL DATA

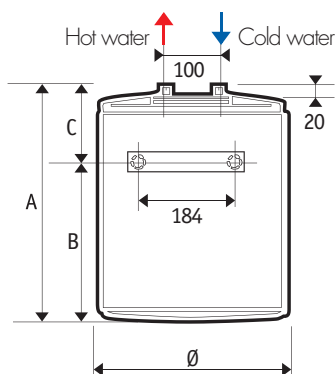
CAPACITY (L)	OUTPUT (W)	VOLTAGE (V)	HEAT-UP TIME AT 60°C (ΔT=20°C) (min)	HEAT-UP TIME AT 60°C (ΔT=50°C) (min)	ENERGY CONSUMPTION kWh/24 h at 65°C
<b>O'Pro Small Vertical wall-mounted</b>					
<b>O'Pro Small above sink</b>					
10	1600	230	10	24	0.45
15	1600	230	14	35	0.51
<b>O'Pro Small under sink</b>					
10	2000	230	8	19	0.69
15	2000	230	11	28	0.77
<b>O'Pro Slim Vertical wall-mounted</b>					
30	2000	230	23	57	0.69

## DIMENSIONS

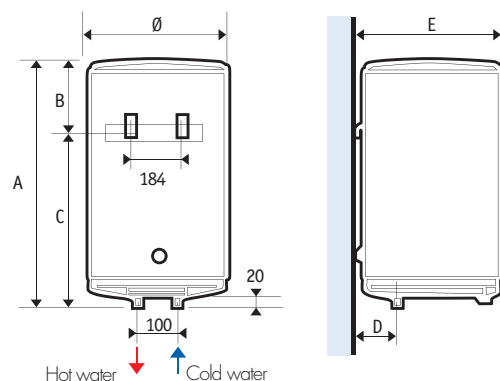
CAPACITY (L)	DIMENSIONS (mm)						FLANGE OPENING (Ø) mm	NET WEIGHT (Kg)	ESMA ENERGY EFFICIENCY
	Ø	A	B	C	D	E			
O'Pro Small Vertical wall-mounted									
O'Pro Small above sink									
10	255	456	174	282	65	262	72	6.5	★★★★★
15	338	400	168	232	83	347	72	7.5	★★★★★
O'Pro Small under sink									
10	255	456	235	220	65	262	72	6.5	★★★
15	338	400	232	167	83	347	72	7.5	★★★
O'Pro Slim Vertical wall-mounted									
30	338	617	150	466	83	347	72	11.5	★★★★★

ERC IP 24 under sink IP 25 above sink

## INSTALLATION DIMENSIONS



O'PRO SMALL UNDER SINK



O'PRO SMALL ABOVE SINK & O'PRO SLIM



# RENEWABLE ENERGY WATER HEATERS

## HEAT PUMP WATER HEATER TECHNOLOGY

### the best all-weather solution ever

Renewable, clean and free calories contained in ambient air are an ideal energy source for heating water, even at night, in hail, or rainy conditions. Atlantic offers high-performance and cost-effective solutions to produce DHW.

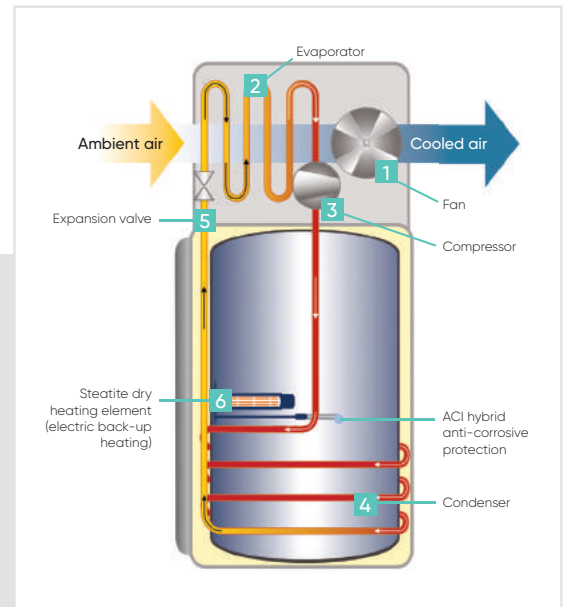
#### Clean and simple operation:

The heat pump water heater consists of a heat pump which captures the energy in the air in order to produce DHW.

#### HOW DOES IT WORK?

The heat pump water heater uses the operational principle of a heat pump, by absorbing calories in outdoor air and using the energy to heat water.

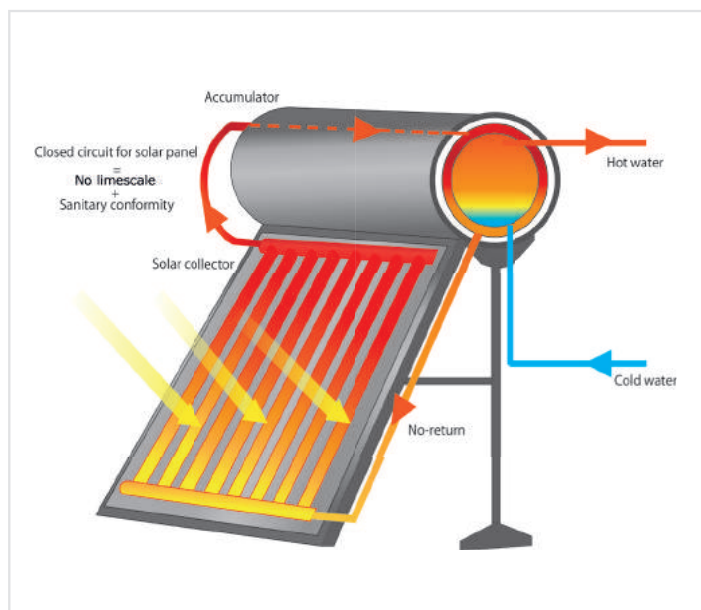
The **fan 1** inhales ambient air transferring its energy to the refrigerant agent in the **evaporator 2** thus changing from liquid to gas. The gas is further heated by **compression 3**. In the **condenser 4** the gas transfers its accumulated heat to the water tank. As it gets colder it transforms back to fluid. The pressure of the fluid is further reduced by the **expansion valve 5**. The **electric back-up heating 6** starts only when required during insufficient heat pump working conditions.



## SOLAR WATER HEATER TECHNOLOGY

### a simple and robust solution

Offering a similar level of heating comfort as an electric water heater, solar water heaters are an environmentally friendly and simple solution to heat water.



#### HOW DOES IT WORK?

- 1 A thermosiphon solar water heater is composed of a **tank (accumulator)** and a **solar collector** which is connected to the tank.
- 2 The transfer between tank and collector is **governed by gravity** (hot water density is lower than cold water density). Instead of a pump, the pressure differential between hot and cold is used as propulsion energy. This is the "thermosiphon principle". In order to operate, the collector (heat generator) must be located below the tank (heat consumer).
- 3 The **heat transfer medium** is heated **inside the solar collector**. The hot liquid in the collector below is lighter than the cold liquid in the tank above the collector. As soon as the **lighter hot liquid rises**, **gravity circulation starts**.
- 4 Inside the cylinder, the **heated medium transfers its heat to the stored DHW** and then, once cooled, falls back to the lowest point in the collector circuit.



	Heat pump water heaters		Forced system solar solutions		Thermosiphon solar system
	<b>Explorer</b> 	<b>Calypso VM</b> 	<b>Solerio Optimum 3</b> 		<b>Solerio Select</b> 
<b>CAPACITY (L)</b>	200/270	100/150	200/300/395	195/290	150/200/300
<b>MODELS</b>	Floor-standing with or without coil	Vertical wall-mounted	Floor-standing 1 Coil	Floor-standing 2 Coils	Horizontal roof or terrace installation
<b>ELECTRIC BACK-UP OUTPUT (W)</b>	1800	1200 to 1800	1800 to 2400		2000
<b>ELECTRIC BACK-UP HEATING ELEMENT</b>	 Ceramic dry heating element	 Ceramic dry heating element	 Ceramic dry heating element		Copper heating element
<b>TANK PROTECTION</b>			Magnesium anode		Magnesium anode
<b>INTERFACE</b>	Digital controls + Cozytouch	Digital controls + Cozytouch	Digital controls		-
<b>REMOTE PILOTING</b>	•	•	-		-
<b>ENERGY SAVINGS</b>					
<b>PAGES</b>	P. 28-29	P. 30-31	P. 32-33		P. 34-37

\*Compared with an electric water heater

# Explorer

State-of-the-art heat pump water heater with or without coil



## + PRODUCT

### COMFORT

- Wide heat pump operating temperature range of use (-5 to +43°C)
- Product capable of producing hot water with four different types of energy (heat pump, electric back-up, boiler and solar)
- Household-friendly noise level
- Comfort thanks to electric back-up
- A re-circulation connection to provide comfort on all points-of-use (versions with coil only)
- Easy tilting on one side for easy transport

### QUALITY - DURABILITY

- ACI hybrid anti-corrosive protection
- Steatite technology (ceramic dry heating element)
- New generation diamond-quality enamel (glass-lined inner tank)
- Pressure relief valve
- Dielectric union
- Specific lip gasket to prevent corrosion around flange

### USER-FRIENDLINESS

- Easy to install with adjustable air inlet/outlet and adjustable feet
- Digital control panel with built-in day-to-day programming, different modes selection, display showing energy consumption
- Compatible with Cozytouch for remote piloting through a smartphone or a tablet
- Easy to set up and to use

### SAVINGS

- Up to 75% energy savings\*
- Compatible with solar (photovoltaic panel or solar collector) and boiler systems (built-in coil)
- Large optimised coil for fast heating adapted for low temperature devices (versions with coil only)
- CFC-free high-density insulation for increased energy savings
- High-efficiency water inlet

# HEAT PUMP WATER HEATER

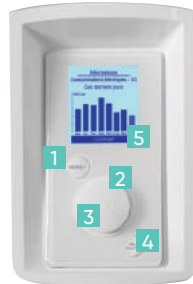
200 TO 270 L  
(FLOOR-STANDING)



For more information see p.6-7

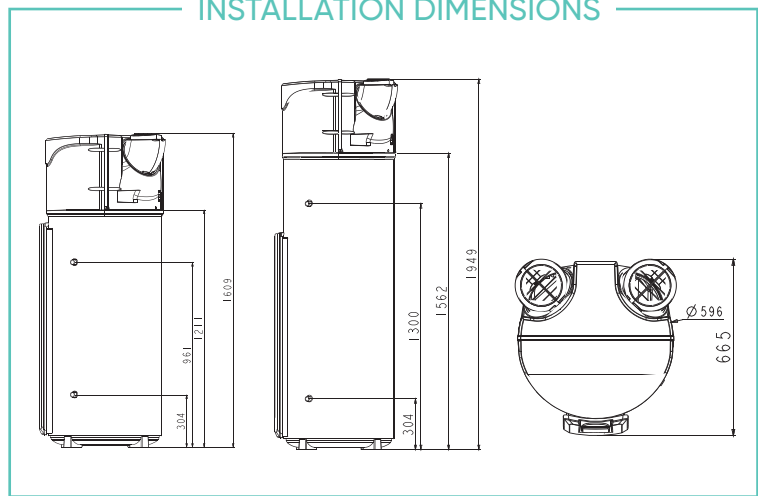


- 1 Evaporator
- 2 High-efficiency heat pump with wide temperature range
- 3 Intuitive control panel
- 4 Diamond-quality enamel
- 5 Enamelled sleeve and ceramic heating element
- 6 Coil (1.2 m<sup>2</sup>): Solar mode & Boiler mode
- 7 Adjustable air inlet/outlet (360°)
- 8 ACI hybrid anti-corrosive protection
- 9 Adjustable feet



- 1 Menu button with access to general information, energy consumption and mode selection (Boost, Auto, Manual, Absence)
- 2 Control knob for temperature adjustments
- 3 Temperature validation button
- 4 Return to previous screen view
- 5 Display graphically showing active mode and energy consumption statistics

## INSTALLATION DIMENSIONS



## TECHNICAL DATA

SPECIFICATIONS	CAPACITY (WITH OR WITHOUT COIL)	
	200 L	270 L
Dimensions (mm)	1609 x 620 x 665	1949 x 620 x 665
Net weight without coil (Kg)	85	93
Net weight with coil (Kg)	100	108
Electric back-up volume (L)	110	130
Rated water pressure (bars)	8	
Electrical connection (V/Hz)	230 V~/50 Hz	
Maximum total power consumed by the device (W)	2 465	
Maximum power consumed by the heat pump (W)	665	
Power consumed by electric heating (W)	1 800	
Water temperature range by heat pump (°C)	50 to 62°C	
Heat pump temperature range of use (°C)	-5 to 43°C	
Refrigerant fluid R 134A (Kg)	1.25	1.35
Vacuum air flow (ambient installation) (m <sup>3</sup> /h)	390	
COP at 20°C <sup>(1)</sup> (ambient)	4.1	4.3
COP at 7°C <sup>(1)</sup> (ambient)	2.79 (L profile)	2.84 (XL profile)
Acoustic pressure at 2m (dB(A))	37	
Acoustic power (dB(A))	57	
Heating time from 15 to 51°C (ambient installation 15°C air) (h)	4h48	7h32
Coil power (kW) primary 60°C, 1000/1500/2000 L/H (kW)	15.5/16/16.4	
Coil surface (m <sup>2</sup> )	1.2	
Recirculation connection	Available for models with coil	
V40 ErP (L)	243	341/333 (with coil)
ErP class	A+	
Profile	L	XL

(1) Compliant with EN 16147

\*Compared with an electric water heater



Ajustable air inlet/outlet



Suitable for all installations  
(low ceiling, corner...)



# Calypso VM

Highly efficient wall-mounted heat pump water heater



## + PRODUCT

### COMFORT

- Space-saving wall-mounted solution
- Fast heat-up time
- Auto function for smart piloting
- Comfort thanks to electric back-up

### QUALITY - DURABILITY

- ACI hybrid anti-corrosive system
- Steatite technology (ceramic dry heating element)
- New generation diamond-quality enamel
- Pressure relief valve
- Dielectric union
- Specific lip gasket to prevent corrosion around flange

### USER-FRIENDLINESS

- Easy installation with optimised wall brackets
- Intuitive digital control panel with built-in daily programming, different modes selection, display showing energy consumption
- Compatible with Cozytouch for remote piloting through a smartphone or a tablet

### SAVINGS

- Up to 75% energy savings\* thanks to a high-performance heat pump
- CFC-free high-density insulation around tank for increased energy savings
- Photovoltaic connection to benefit from free solar energy
- High-efficiency water inlet
- Smart energy consumption control

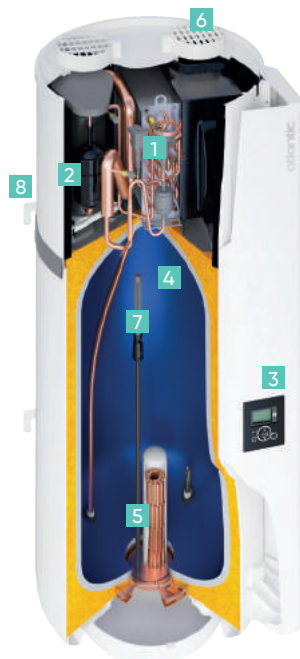


# HEAT PUMP WATER HEATER

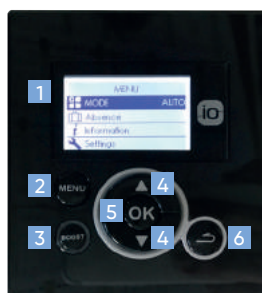
100 TO 150 L  
(WALL-MOUNTED)



For more information see p.6-7

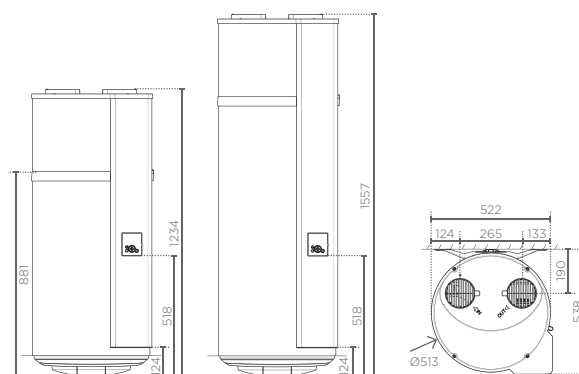


- 1 Evaporator
- 2 High-efficiency heat pump with wide temperature range
- 3 Intuitive control panel
- 4 Diamond-quality enamel (glass-lined inner tank)
- 5 Steatite heating element
- 6 Air inlet/outlet
- 7 ACI hybrid anti-corrosive protection
- 8 Brackets for wall mounting



- 1 User-friendly digital screen
- 2 Direct access to menu
- 3 Direct access to Boost mode
- 4 Navigation buttons
- 5 Validation button
- 6 Return button

## INSTALLATION DIMENSIONS



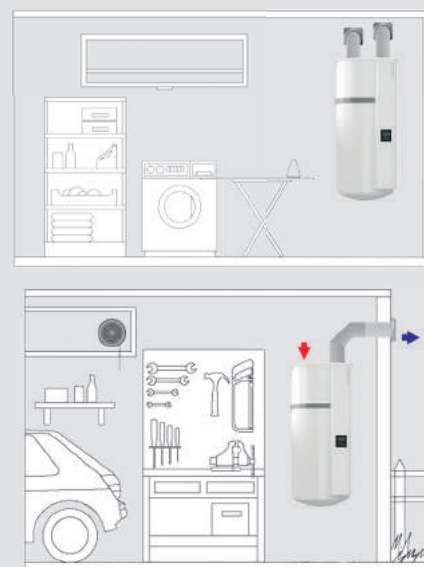
## TECHNICAL DATA

SPECIFICATIONS	CAPACITY	
	100 L	150 L
Design	Wall-mounted	Wall-mounted
Configuration	Ambient/Ducted	Ambient/Ducted
Tank protection	ACI hybrid	ACI hybrid
Heating element	Steatite	Steatite
Dimensions (height x width x depth) (mm)	1234 x 522 x 538	1557 x 522 x 538
Weight (kg)	57	66
Electrical connection (V/Hz)	230/50	230/50
Total maximal power (W)	1550	2150
Maximal power heat pump (W)	350	350
Power electric heating element (W)	1200	1800
Heat pump water temperature range	50 to 62°C	50 to 62°C
Heat pump air temperature range	-5 to 43°C	-5 to 43°C
COP (at T <sub>air</sub> = 7°C ducted, T <sub>water</sub> from 15°C to 53°C)	2.47 <sup>(1)</sup>	2.94 <sup>(1)</sup>
COP (at T <sub>air</sub> = 15°C ambient T <sub>water</sub> from 15°C to 53°C)	2.75 <sup>(1)</sup>	3.21 <sup>(1)</sup>
Acoustic power ErP (dB(A)) in ducted configuration	45	45
Acoustic power ErP (dB(A)) in ambient configuration	50	50
Heating time (at T <sub>air</sub> = 7°C)	7h27 <sup>(1)</sup>	11h21 <sup>(1)</sup>
V40 ErP (L)	127	199
ErP class	A+	A+
Profile	M	L
Connectivity IO	YES	YES
Input PV	YES	YES

(1) Compliant with EN 16147 conditions

\*Compared with an electric water heater

## Ideal for small surfaces



Suitable for all installations (adapted to small surfaces, low ceiling, corner)

# Solerio Optimum 3

High-end indoor solar tank with forced circulation and digital controls



## + PRODUCT

### SOLAR STATION

#### Quality - Durability

- Thermostatic mixer set on 50°C for domestic hot water distribution
- Anti-frost mode allowing to stop the hot water production, by deactivating the back-up energy source and lowering the solar set temperature, in case of an extended leave of the user

#### Savings

- Probes equipped regulator, for optimised solar energy use

#### User-friendliness

- Digital interface for temperature display and controls

#### Comfort

- Boost function for hot water quickly available when needed

### SELECTIVE SOLAR PANEL

#### Savings

- High-efficiency collectors
- High-performance selective absorber
- Optimum heat-loss performances (3.48 W/m<sup>2</sup> K for horizontal models and 3.23 W/m<sup>2</sup> K for vertical models)
- Efficiency above 80% for vertical models

#### User-friendliness

- Horizontal and vertical models adapted to roof, terrace or integrated installations
- Black casing for a more harmonious & aesthetic integration
- Lateral or diagonal connections for easier installation
- Adapted to all types of roofs (the roof slope must be between 15° and 60°)
- Probe and collector unions included
- Panel kits of 1, 2 or 3 solar panels
- Supplied with accessories (see local dealer)

### TANK

#### Quality - Durability

- Optimised solar heat exchanger located at the bottom of the tank, for more hot water
- Electric back-up
  - As standard for 200, 300 & 400 L Electro-solar models
  - Optional for 200 & 300 L Hydraulic models
  - Ceramic dry heating element adapted to highly mineralised, hard or desalinated water (for electro-solar models)
- Boiler back-up coil as standard for 200 & 300 L Hydraulic models
- New generation diamond-quality enamel
- Pressure relief valve
- Dielectric union

#### Savings

- Low consuming circulator
- CFC-free high-density insulation for more energy savings: 31 mm (200/300 L)

#### User-friendliness

- Anti-dry heat system

#### Comfort

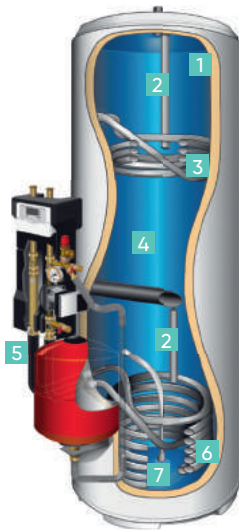
- Large quantity of DHW available at all times

# SOLAR WATER HEATER

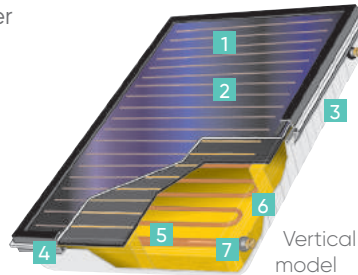
195 TO 395 L  
(FLOOR-STANDING)



For more information see p.6



- 1 High-density polyurethane foam 0% CFC
- 2 Magnesium anode
- 3 Coil for alternative energy source (ex. boiler)
- 4 Diamond-quality enamel
- 5 Mounted solar station
- 6 Main solar coil
- 7 Inlet diffuser



## SELECTIVE SOLAR PANEL

- 1 Black frame
- 2 3.2 mm clear Securit glass, low iron density
- 3 Aluminium casing
- 4 EPDM gasket
- 5 10 copper vertical pipes 8 mm
- 6 Rockwool insulation (40 mm, 50 Kg/m<sup>3</sup>)
- 7 Copper collector 22 mm

	E HC 200	E HC 300	E HC 400	H 200	H 300
<b>ERP ENERGY CLASS</b>					
Tank only	C	C	C	C	C
Tank with 1 collector	C	-	-	A	-
Tank with 2 collectors	B	C	C	A+	A+

Gross surface area (m <sup>2</sup> )	2.3	
Absorber surface area (m <sup>2</sup> )	2	
Net surface area (m <sup>2</sup> )	2	
Heat transfer fluid content (L)	1.7	
Max working pressure (bar)	10	
Weight (Kg)	41	40
Dimensions (mm: H x W x D)	1099 x 2099 x 110	2099 x 1099 x 110
Optical performance	79	80.4
Energy Lost a1 W/m <sup>2</sup> K	3.49	3.235
Energy Lost a2 W/m <sup>2</sup> K	0.015	0.0117
Absorbance (%)	95	
Stagnation temperature (°C) 160 194	160	194
Thermal capacity (kJ/m <sup>2</sup> K)	6.3	5.85
Absorber material	Copper	Aluminium

	E HC 200	E HC 300	E HC 400	H 200	H 300
<b>CHARACTERISTICS</b>					
Capacity (L)	200	300	395	195	290
Max. work pressure (bar)	6	6	6	6	6
Maxi temperature (°C)	85	85	85	85	85

<b>SOLAR COIL</b>					
Coil surface area (m <sup>2</sup> )	0.9	1.05	1.05	0.9	1.05
Solar output (kW)	28	34	34	28	34
Pressure loss (mbar)	25	30	30	25	30
Surface area (m <sup>2</sup> )	4.5	5.1	5.1	4.5	5.1
Max. coil pressure (bar)	6	6	6	6	6

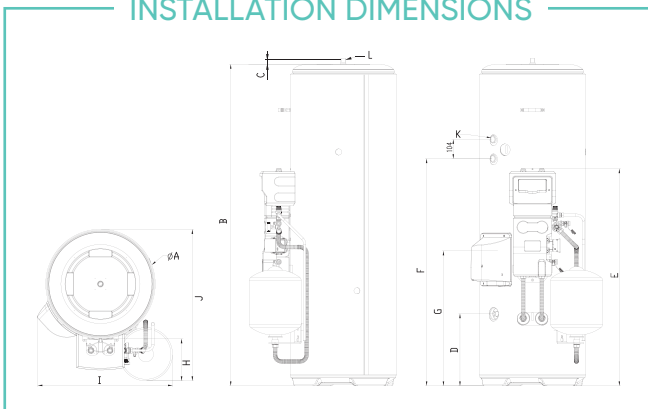
<b>BOILER BACK-UP</b>					
Coil surface area (m <sup>2</sup> )	-	-	-	0.6	0.6
Boiler output (kW)	-	-	-	18	18
Heating capacity with boiler (L)	-	-	-	85	114
Coil capacity (L)	-	-	-	4	4
Charge loss (mbar)	-	-	-	30	30
Max. coil pressure (bar)	-	-	-	6	6
Test pressure	-	-	-	9	9
Reheat-up time 10 at 65°C	-	-	-	20	26

<b>ELECTRIC BACK-UP</b>					
Electric element output (kW)	1.8	2.4	2.4	1.8 <sup>(1)</sup>	2.4 <sup>(1)</sup>
Voltage (V)	230	230	230	230	230
Type	Steatite	Steatite	Steatite	Steatite	Steatite
Capacity (L)	106.5	184	229	101 <sup>(1)</sup>	178 <sup>(1)</sup>
Profile	L	L	XL	-	-
Max temperature (°C)	60 +/-3	60 +/-3	60 +/-3	60 +/-3	60 +/-3

<b>DIMENSIONS</b>					
Weight - Tank without station (empty) (Kg)	61	81	151	70	90
Weight - Tank + station weight (empty) (Kg)	74	94	164	83	103
Weight - Tank + station weight (full) (Kg)	274	394	559	378	393
A	575	575	680	590	590
B	1120	1735	1645	1260	1750
C	42	42	42	42	42
D	320	390	445	335	395
E	1150	1180	1165	1150	1180
F	-	-	-	-	-
G	610	725	735	610	725
H	220	220	220	220	220
I	715	715	715	715	715
J	795	795	900	795	795
K	-	-	-	1" F	1" F
L	3/4" M1	3/4" M1	3/4" M1	3/4" M1	3/4" M1

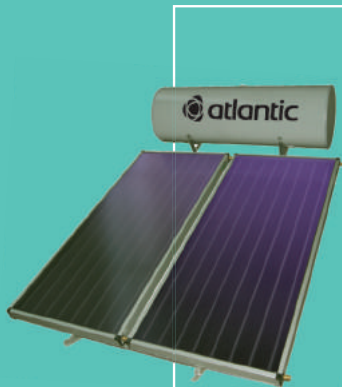
(1) Optional

## INSTALLATION DIMENSIONS



# Solerio Select

Outdoor closed circuit thermosiphon solar solution



## + PRODUCT

### COMFORT

- Independent solar system, easy to set up and operate
- Optional electric heating element with thermostat
- Horizontal tank with 3 capacities: 150, 200 and 300 L

### QUALITY - DURABILITY

- Suitable for all water quality types and areas with frost risk
- Special lip gasket to avoid rust around flange
- Enamelled steel tank according to DIN 4753
- Reinforced magnesium anode for anti-corrosive protection
- Special outdoor paint for tank external protection
- Robust galvanized steel frame

### USER-FRIENDLINESS

- Large range of configurations to match all requirements and needs
- 2 types of support, suitable for roof and terrace installations
- Compact system easy to install and to set up
- Hydraulic kit

### SAVINGS

- High-density polyurethane insulation foam without CFC
- Double jacket heat-exchanger technology

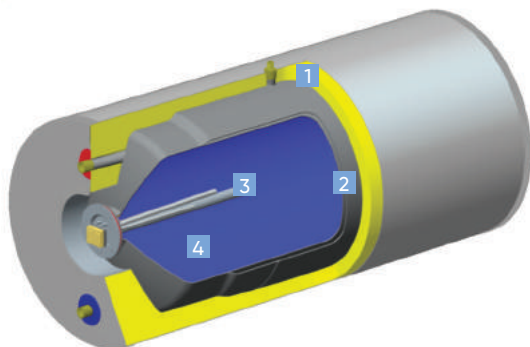


# SOLAR WATER HEATER

150 TO 300 L

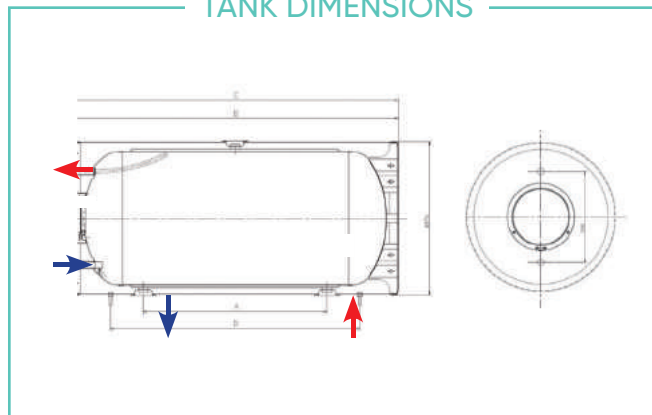


Solar-keymark



- 1 High-density polyurethane insulation foam 0% CFC
- 2 Dual enamel envelope for a better efficiency
- 3 Magnesium anode
- 4 Heating element (option)

## TANK DIMENSIONS



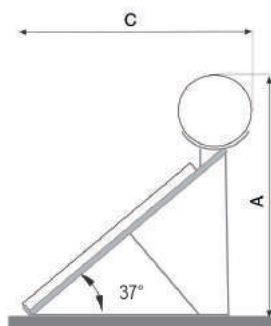
## TANK DIMENSIONS

CAPACITY (L)	A	B	C	D	LENGTH OF HEAT EXCHANGER (mm)	CONNECTION FOR SOLAR COLLECTOR	CONNECTION FOR DHW
150	470	1025	1055	740	514	3/4" M	3/4" F
200	580	1310	1340	740	618.5	3/4" M	3/4" F
300	1070	1870	1900	1270	1134.5	3/4" M	3/4" F

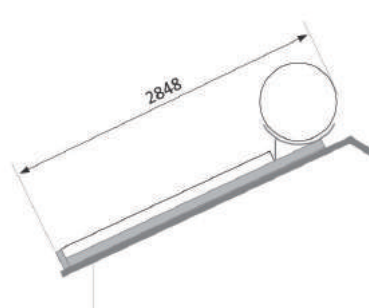
## THERMOSIPHON DIMENSIONS

MODEL	INSTALLATION	CAPACITY (L)	TOTAL AREA OF PANEL (m²)	NET WEIGHT (EMPTY) (Kg)	HEIGHT A (mm)	WIDTH B (mm)	DEPTH C (mm)	HEAT TRANSFER FLUID	USE (people)	ERP ENERGY CLASS
150 L - 1 collector	Terrace	150	2.08	142	2063	1023	2156	Water + Propylene glycol	2	A
200 L - 1 collector	Terrace	200	2.08	161	2063	1268	2156		2-3	A
200 L - 2 collectors	Terrace	200	4.16	221	2063	1990	2156		3-4	A
300 L - 2 collectors	Terrace	300	4.16	236	2063	1990	2156		5-7	A
150 L - 1 collector	Roof	150	2.08	142	2848	1023	-	Water + Propylene glycol	2	A
200 L - 1 collector	Roof	200	2.08	161	2848	1268	-		2-3	A
200 L - 2 collectors	Roof	200	4.16	221	2848	1990	-		3-4	A
300 L - 2 collectors	Roof	300	4.16	236	2848	1990	-		5-7	A

## INSTALLATION DIMENSIONS



TERRACE INSTALLATION



ROOF INSTALLATION



# Solerio Select

All-in-one outdoor installation thermosiphon solar solution

## SOLAR WATER HEATER CONFIGURATIONS

### SOLAR COLLECTORS

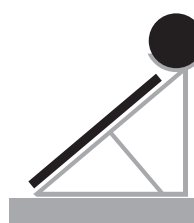


Flat-plate  
2.08 m<sup>2</sup>  
Selective

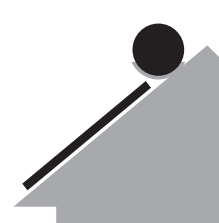


Flat-plate  
2.08 m<sup>2</sup>  
Black paint

### SUPPORTS



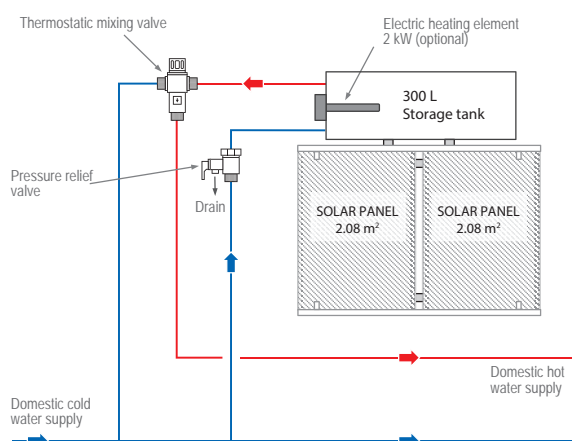
Terrace  
1 or 2 panels



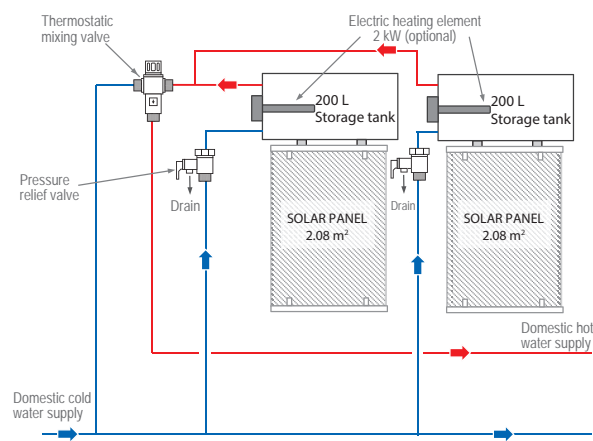
Roof  
1 or 2 panels

## MAIN SYSTEM LAYOUTS

### EXAMPLE: 300 L



### EXAMPLE: 2 X 200 L

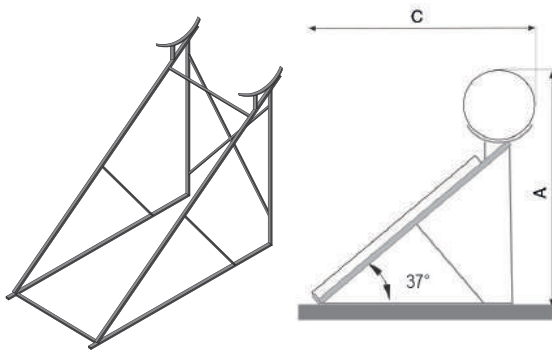


## SOLAR WATER HEATERS

150 TO 300 L  
(HORIZONTAL)

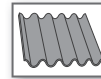
### CHASSIS DESCRIPTION

#### TERRACE INSTALLATION



Galvanized steel frame  
Stainless steel screws  
Tilt angle: 37 °

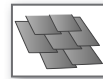
#### ROOF INSTALLATION



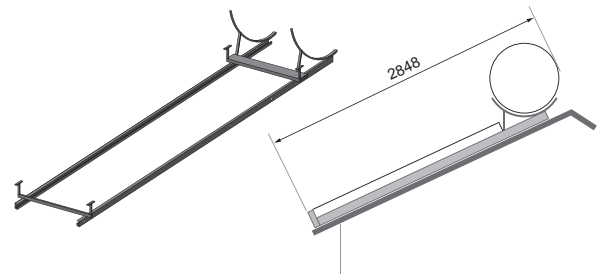
Universal roof



Tile roof

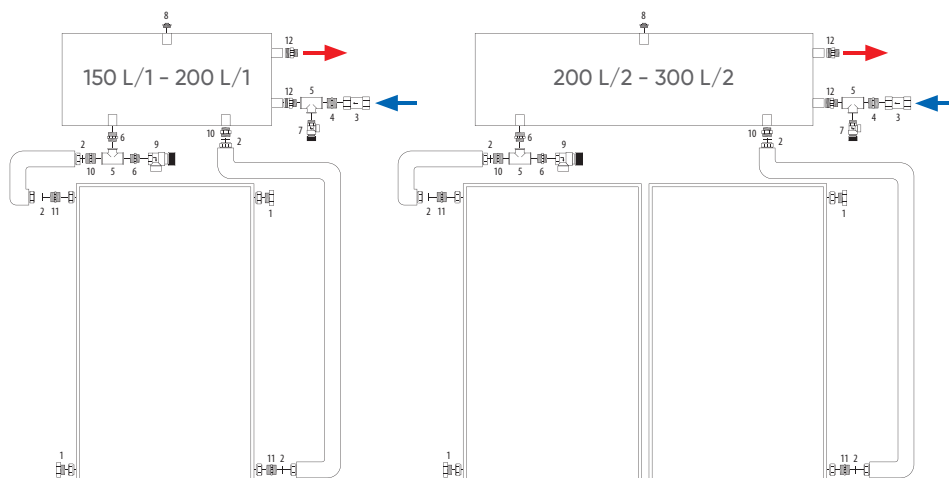


Slate roof



Galvanized steel frame  
Stainless steel screws  
Tilt angle: Roof angle

### HYDRAULIC CONNECTIONS



- 1 Compression plug copper 1.8
- 2 Sealing
- 3 Check valve
- 4 Fitting 3/4"
- 5 T connector 3/4" - 1/2" - 3/4" M
- 6 Fitting 3/4" - 1/2"
- 7 Safety valve 2.5 bar 1/2" F
- 8 Plug 3/4"
- 9 Safety valve 2.5 bar 1/2" F
- 10 Fitting 3/4" - 3/4"
- 11 Fitting 3/4" - 18 mm
- 12 Dielectric fitting 3/4" M - F

→ Domestic hot water outlet

← Domestic cold water inlet

# Reference Projects

## UNITED ARAB EMIRATES



### AL MARYAH PLAZA EAST WALK

**Client:**

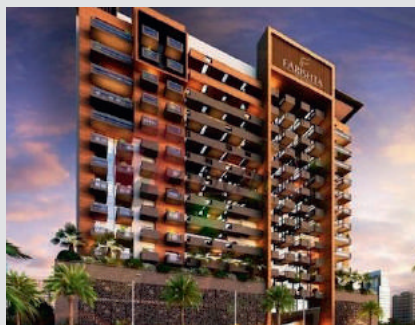
Farglory Group

**Consultant:**

KEO International

**MEP Contractor:**

SEMCO



### AZIZI FARISTA

**Client:**

Azizi Developers

**Consultant:**

360 Degrees Architectural & Engineering Consultants

**MEP Contractor:**

OMEGA STAR EMW



### DEIRA WATERFRONT REDEVELOPMENT

**Client:**

ITHRA DUBAI

**Consultant:** AE7

**MEP Contractor:**

Shinryo Corporation  
Middle East, Dubai



### DUBAI HILLS ESTATE - PARK POINT I

**Client:**

EMAAR

**Consultant:**

National Engineering Bureau

**MEP Contractor:**

UNITED MASTERS



### HARBOUR VIEWS

**Client:**

EMAAR

**Consultant:**

ATKINS

**MEP Contractor:**

SEMCO



### SOBHA HARTLAND

**Client:**

SOBHA GROUP,  
PNC INVESTMENTS

**Consultant:** PNC Architects

**MEP Contractor:**

SOBHA Electromechanical  
Works

## UNITED ARAB EMIRATES

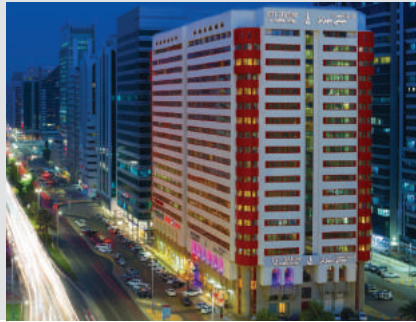


### AL FALAH VILLAS

**Products:**  
Water heater – 50 L

**Consultant:**  
Atkins

**Contractor:**  
Al Jaber



### CITY SEASON HOTEL

**Products:**  
Water heater

**Consultant:**  
KEO International

**Contractor:**  
Bin Ham Contracting

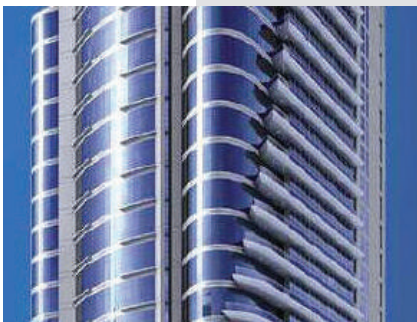


### DAMAS TOWER

**Products:**  
Water heater

**Consultant:**  
Adnan Saffarini

**Contractor:**  
Dawaz A/C & Refrigeration



### DANET ABU DHABI

**Products:**  
Water heater

**Consultant:**  
LACASA Consultant

**Contractor:**  
Zarooni TRansemirates



### FAIRMONT RESIDENCE - PALM JUMEIRAH

**Products:**  
Water heater –  
100 L, 150 L, 200 L



### GHAYATI PROJECT

**Products:**  
Water heater – 50 L, 80 L

**Consultant:**  
Atkins

**Contractor:**  
Dhabi Contracting



# Reference Projects

## UNITED ARAB EMIRATES



### GOLDEN MILE 1&2 - PALM JUMEIRAH

**Products:**

Water heater -  
150 L, 200 L, 300 L



### HYDRA VILLAGE

**Products:**

Water heater

**Consultant:**

NEB

**Contractor:**

METAC Gen. Cont.



### JUMEIRAH VILLAGE CIRCLE

**Products:**

Water heater

**Consultant:**

Dynamic Eng'g Cons.

**Contractor:**

Arabtec



### KHALIDYA ROTANA RESIDENCES

**Products:**

Water heater - 50 L, 80 L



### MARINA SQUARE - ZONE D

**Products:**

Water heater - 50 L, 80 L



## UNITED ARAB EMIRATES



### NBAD BUILDING

**Products:**

Water heater

**Consultant:**

APG

**Contractor:**

Dhabi Contracting



### PACKAGE 5A JUMEIRAH VILLAGE, 134 VILLAS

**Products:**

Water heater

**Consultant:**

Dar Al Handasah

**Contractor:**

Efeco



### TAWAM FEMALE STUDENTS' HOSTEL, UNIVERSITY OF THE UNITED ARAB EMIRATES, ALAIN

**Products:**

Water heater – 1000 L



### AL RAYYAN SHOPPING COMPLEX AND RESIDENCES, SHARJAH

**Products:** Water heater  
OPRO+ range 50 L, 100 L

**Consultant:** Bregman +  
Hammann Architects

**Client :** JMS General Trading

**Main Contractor:** TERNA

**MEP contractor:** Plafond



### VICTORY HEIGHTS PHASE 1&2

**Products:**

Water heater –  
30 L, 50 L, 80 L



### QUEEN ELIZABETH 2 SHIP

**Products:**

Corflex calorifiers 500 L

**Contractor:**

Shafa Al Nahda





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