



Solar water heaters | Forced circulation systems | Buffers | Electric water heaters | Electric boilers

55
years of
experience



Designed &
manufactured
in Greece

Forced Circulation Systems

Boilers
Buffers



5 YEARS
WARRANTY
SYSTEMS

10 YEARS
WARRANTY
COLLECTORS



GLASS

HOWAT boiler-room water heaters are the ideal solution for the production and storage of domestic hot water in large residential or commercial installations.

Available in capacities ranging from 160 to 1000 liters, with one or two heat exchangers, allowing for easy integration into any type of system (boilers, solar collectors, or a combination of both).



Technical Specifications

Outer casing: special PVC with high-durability ABS end caps, offering excellent aesthetics

Water storage tank: cold-rolled steel, with an internal double-layer enamel coating, fired at 860°C (DIN 4753).

Boiler operating pressure: 8 bar/95°C, **test pressure:** 13 bar.

Heat exchangers: externally enamelled, with a large surface area, suitable for connection to a boiler, solar collectors, or a combination of both.

Cathodic protection: magnesium anode (DIN 4753-6).

Thermal insulation: minimizes heat loss, maintaining the temperature of the hot water.

Electric element: connection for a 1 ½" electric heating element.

It is possible, upon request, to manufacture boilers with larger capacities, ranging from 1,500 up to 9,000 liters.

Forced Circulation Systems

AA	TYPE	COLLECTORS (cm)	DUAL- ENERGY	TRIPLE- ENERGY	TRIPLE-ENERGY FOR HEAT PUMPS
1.	160 LT / 4.00 m ²	2 X (100 x 200)	NAI	NAI	–
2.	200 LT / 4.00 m ²	2 X (100 x 200)	NAI	NAI	NAI
3.	200 LT / 5.00 m ²	2 X (125 x 200)	NAI	NAI	NAI
4.	300 LT / 5.00 m ²	2 X (125 x 200)	NAI	NAI	NAI
5.	300 LT / 6.00 m ²	3 X (100 x 200)	NAI	NAI	NAI
6.	500 LT / 8.00 m ²	4 X (100 x 200)	NAI	NAI	NAI
7.	500 LT / 10.00 m ²	4 X (125 x 200)	NAI	NAI	NAI
8.	800 LT / 16.00 m ²	8 X (100 x 200)	NAI	NAI	NAI
7.	1000 LT / 20.00 m ²	8 X (125 x 200)	NAI	NAI	NAI

The table above is for illustrative purposes and varies according to the requirements of each installation.

THE ABOVE OPTIONS INCLUDE:

Boiler room tanks, featuring one or two heat exchangers for connection to solar collectors, an auxiliary heat source (boiler or heat pump), or a combination of these
Electric heating element with an integrated thermostat
Selective-type solar collectors
Mounting systems for collectors, suitable for flat roofs or tiled roofs
Solar hydraulic kit, including a differential thermostat and three temperature sensors (configured according to the

specific installation type)
Solar-rated expansion vessel and a standard pressure expansion vessel
Mounting bracket for the expansion vessel
Collector manifold/fitting assembly (cross-piece) equipped with an air vent and a sensor well
Antifreeze fluid, sensor wells, Ø22 caps, and collector connection fittings (unions)

GLASS FOR HEAT PUMPS

HOWAT's boiler-room hot water tanks, designed for use with heat pumps, offer an ideal solution for the immediate and efficient production of domestic hot water. Their key feature is a large heat exchanger surface area, which enables optimal heat transfer from the heat pump, ensuring high efficiency and cost savings.

Available in capacities ranging from 160 to 1000 liters, with one or two heat exchangers, allowing for easy integration into any type of system (heat pump, solar collectors, or a combination of both).



AA	TYPE	DIMENSIONS (cm)		BOILER / SOLAR COLLECTORS		HEAT PUMP / SOLAR COLLECTORS	
		DIAMETER	HEIGHT	WITH 1 EXCHANGER	WITH 2 EXCHANGERS	WITH 1 EXCHANGER	WITH 2 EXCHANGERS
1.	160 LT	60	103,5	YES	YES	YES	-
2.	200 LT	60	123	YES	YES	YES	YES
3.	300 LT	60	176	YES	YES	YES	YES
4.	500 LT	70	190	YES	YES	YES	YES
5.	800 LT	99	177	YES	YES	YES	YES
6.	1000 LT	99	210	YES	YES	YES	YES

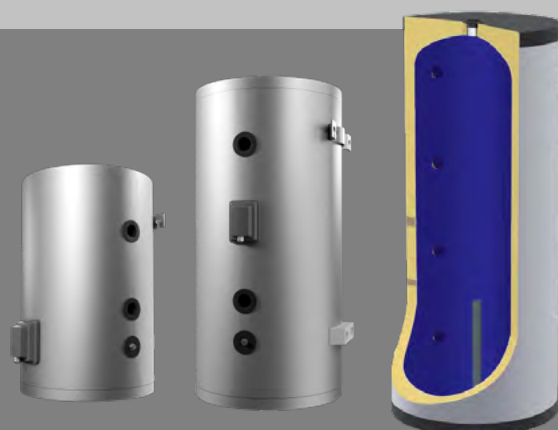
Buffer Tanks

UNENAMELLED AND ENAMELLED BUFFER TANKS

The buffer tank is connected in series with the boiler (whether it is an oil or natural gas boiler, or a heat pump) or with solar collectors.

It consists of a vessel with dense polyurethane thermal insulation designed to minimize heat loss, while multiple connection ports provide flexibility for hydraulic piping.

Available in capacities ranging from 50 to 1000 liters, with or without enamel coating, and with or without heat exchangers, they cater to every installation requirement. They are ideal for energy balancing and optimizing the performance of any modern system.

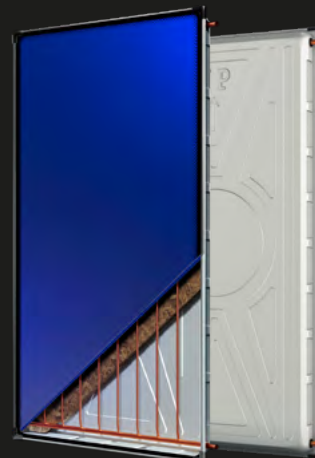
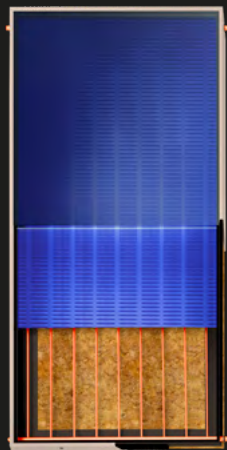
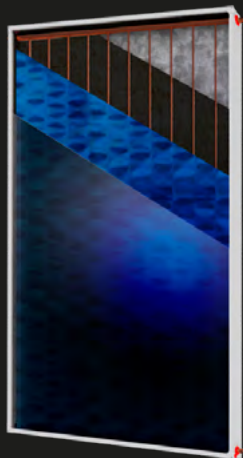


TYPE	WITHOUT ENAMEL	WITH ENAMEL	WITHOUT EXCHANGER	WITH 1 EXCHANGER	WITH 2 EXCHANGERS
50 LT	-	YES	YES	-	-
60 LT	-	YES	YES	-	-
80 LT	-	YES	YES	-	-
100 LT	-	YES	YES	-	-
160 LT	YES	YES	YES	YES	YES
200 LT	YES	YES	YES	YES	YES
300 LT	YES	YES	YES	YES	YES
500 LT	YES	YES	YES	YES	YES
800 LT	YES	YES	YES	YES	YES
1000 LT	YES	YES	YES	YES	YES

Forced Circulation System Accessories

Collectors

Selective collectors
HOWAT / SOLO / NAVI



Pump Station

Controllers
Thermostats



**NOVASFER
6000**

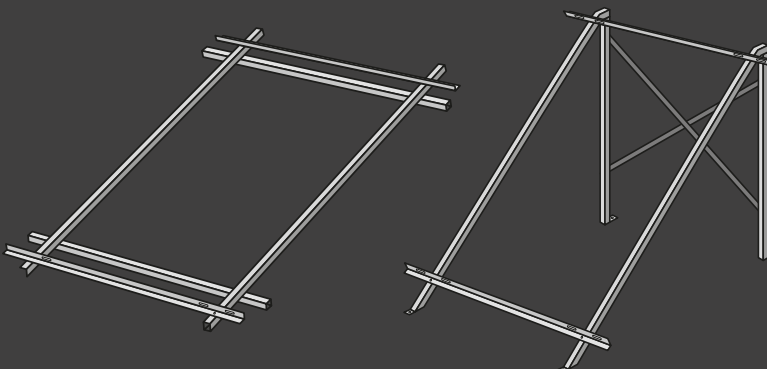
**LOVATO
Maverick**



**Differential
Thermostat**
(includes
3 sensors)

Mounting frames

flat-roof
& tiled-roof



Electrical Resistor

single-phase or three-phase
features a built-in thermostat



HOVAT Single Member Ltd

TRADE AND PRODUCTION OF SOLAR WATER HEATERS
AND ELECTRICAL APPLICATION PRODUCTS

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Howat solar - solar thermal systems

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