

# About company

## Leadership philosophy

The Nova Tec heat engineering is produced since 2001. Our water heaters outperform similar Western European products in many respects due to applied advanced technologies, materials, and modern design. There are high-grade components used for kitting-up of electrical water heaters from manufacturers who are shown themselves to great advantage. Our factory is the first producer of water heaters in Ukraine.





## Leadership philosophy

Nova Tec team consists of highly qualified specialists, engineers and technologists. All employed workers pass special training. Automation of production processes allows of achieving maximum operational efficiency. Our products bring warmth and comfort in houses since 2001.

**Nova Tec** – It is the production of the widest range of construction and finishing machines and unique equipment for trenchless laying of communications in Ukraine..

**Nova Tec** – It is an innovative plant producing high-quality water heaters.

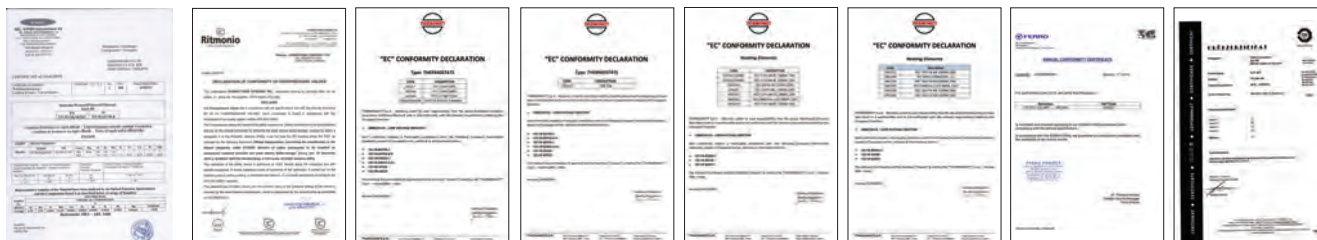
**Nova Tec** – It is a network of branches throughout Ukraine. You will receive a kind reception by our staff who will help you to resolve any problem quickly and efficiently, give professional advice and conduct training in any region of the country.

**Nova Tec** – It is warranty and after-sales service under the highest standards.

**Nova Tec** – It is the confidence earned by our partners and our customers.

**Nova Tec** – It is good business reputation, which has passed the test of time.

## Certificates



## Product range



**STANDARD**



**PREMIUM  
STANDARD PLUS**



**PREMIUM  
COMPACT OVER**



**PREMIUM  
DIRECT DRY**



**PREMIUM  
DIGITAL DRY**



**PREMIUM  
GOLDHEAT**



**PREMIUM  
UNIVERSAL**



**PREMIUM  
COMPACT UNDER**



**PREMIUM  
UNIVERSAL GOLDHEAT**



**PREMIUM  
COMBI**



# Electric water heaters

## Description



### Titanium enamel

Titanium enamel for protecting the tank from corrosion does not contain organic impurities . Titanium enamel is applied to the steel by classic liquid way. It ensures effective connection with the steel, it prevents cracking of the coating during thermal strains. The enamel is baked in an oven at 850 ° C. Mutual penetration of steel and enamel occurs at the molecular level in the firing process. We use titanium enamel, which is environmentally friendly, safe for human European and certified by TUV standards. The obtained composite «steel-enamel» material guarantees protection of NOVA TEC water heaters against the hardest kind of tap water. That coating is a reliable, long lasting, environmentally friendly and hygienic.

## Properties



### Heat insulation

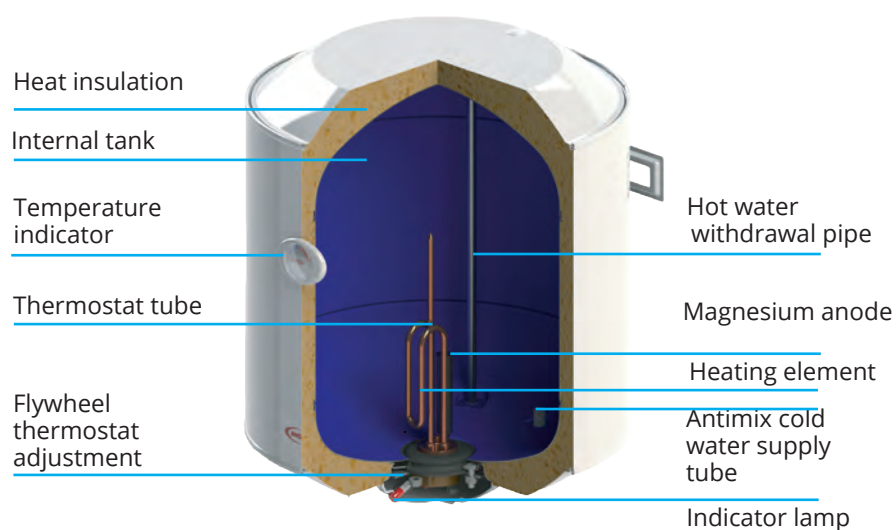
Environmentally friendly, contains no CFC, polyurethane insulation eliminates unnecessary heat loss. A layer of insulation in NOVA TEC water heater is from 20 to 57 mm. This powerful water heater insulation gives properties of thermos. It reduces the consumption of expensive electricity dramatically.



### Antimix system

Antimix unique system was applied during the design of NOVA TEC water heater. This system prevents mixing of the layers of cold and already hot water. Owing to this clever device utilization of hot water is significantly increased and temperature changes are eliminated.

## Electric water heaters of STANDARD series



Model	Capacity, l	Exterior dimensions, mm	Power, kWt	Max heating, °C	P nom., MPa	U nom., B	Weight, kg
NT-S 50	50	460x553	2.0	75	0.6	220	17
NT-S 80	80	460x735	2.0	75	0.6	220	21
NT-S 100	100	460x916	2.0	75	0.6	220	26

## PREMIUM STANDARD PLUS



Art. NT-SP 35  
NT-SP 50

It is used when relatively small amounts of hot water (up to 150 liters at a time) are required. Fifty-liter NOVA TEC heater is enough for family to take a shower.

Compact size NT-SP 35 50 is suitable for kitchen, shower, hotel room with a shower, a country house. STANDARD PLUS is just indispensable if hot water is supplied with uneven faults.



Art. NT-SP 80

For once it produces up to 245 liters of hot water. When the water temperature is 22.5o C in the waterline, it is 75o C in the heater, 40o C in the mixture

Owing to the optimal ratio of dimensions, engine capacity, heating time, power consumption and price, water heater NT-PLUS is simply irreplaceable, if hot water is supplied with SP 80 has great popularity. This water heater is suitable for apartments, small private house.



Art. NT-SP 100

For once it produces up to 300 liters of hot water. When the water temperature is 22.5o C in the waterline it is 75o C in the heater, 40o C in the mixture.

It is convenient for a family of 3-4 people, for those who like to splash in the bathroom. Ideally matched heater geometries make it compact, it can be mounted almost in any environment. It is suitable for cottage.

## PREMIUM STANDARD PLUS



The water heaters of STANDARD PLUS series are equipped with external water-temperature regulator, which is located on the bottom heater cap, which allows to fix necessary water heating temperature, heating element 2.0 kWt and improved heat insulation.

## Quality anatomy

Thermostat



Adjustable thermostat executes three functions: temperature control, ensuring the automatic operation and safety. Adjustment allows to control the power consumption, and thus the financial costs. Automation provides operation of NOVA TEC heater on a principle of "plug and forget" (fully automatic).  
Made in Italy

Heating Element (HE)



Classic copper heater of optimum capacity is not subject to corrosion. It provides fast heating, it consumes electricity carefully and works even at low voltage network. Heating element is adapted for work in our environment and resistant to voltage drop.  
Made in Italy.

Magnesium anode



For extra protection against corrosion the magnesium anode are used in NOVA TEC water heaters. This is a proven and reliable way to protect against corrosive chemicals found in tap water.  
Made in the European Union.

Flange



All electrical unit, including the heater, thermostat and magnesium anode are assembled on solid steel flange, which is attached to the tank by means of five bolts.

## Technical specification

Model	Capacity, l	Exterior dimensions, mm	Power, kWt	Max heating, °C	P nom., MPa	U nom., B	Weight, kg
NT-SP 35	35	460x456	2.0	75	0.6	220	12.0
NT-SP 50	50	460x580	2.0	75	0.6	220	17.0
NT-SP 80	80	460x762	2.0	75	0.6	220	21.0
NT-SP 100	100	460x943	2.0	75	0.6	220	26.0



## PREMIUM DIRECT DRY (dry heating element)

**Art. NT-DD 50, NT-DD 80, NT-DD 100.**



External water temperature controller, located on the bottom cap of the heater makes it easy to set the required hot water temperature.

Water heater with dry HE, combining contemporary design and high quality with advanced technology, is ideal for “hard” water. It has two heating elements, which are hidden in enameled pipes. This structure does not contain any contact with the water heating element. Heating area of “dry HE” is considerably higher than that of a classical copper heating element. Owing to it the water heating takes place more smoothly and evenly, and scale deposits on the heating element significantly reduces. In addition, this construction greatly facilitates maintenance, repair and replacement of the heating element. Two dry HEs increase the reliability and safety of the device.

Model	Capacity,l	Exterior dimensions, mm	Power, kWt	Max heating, °C	P nom., MPa	U nom., B	Weight, kg
NT-DG 50 NT-DD 50	50	460x590 460x590	2x0,8=1,6	75	0.6	220	18
NT-DG 80 NT-DD 80	80	460x772 460x772	2x0,8=1,6	75	0.6	220	23
NT-DG 100 NT-DD 100	100	460x952 460x952	2x0,8=1,6	75	0.6	220	27

# Electric water heaters

## **PREMIUM GOLDHEAT** (golden heating element)



**Art. NT-GH 50, NT-GH 80, NT-GH 100.**

The heating element of water heaters in this series is covered with gold jewelry. Such a coating does not react with acids, alkalis, salts, present in the water. Also it provides excellent corrosion resistance of the heating element and prevents the formation of scale on the THE.



The lack of scale on the heating element allows to save energy due to lower energy consumption and no loss of THE power. Lack of scale also prevents overheating of the heating element and helps to increase the service life and reliability of your water heater.



External water temperature controller, located on the bottom cap of the heater makes it easy to set the required temperature of hot water.

## **Technical characteristics**

Model	Capacity,l	Exterior dimensions, mm	Power, kWt	Max heating, °C	P nom., MPa	U nom., B	Weight, kg
NT-GH 50	50	460x580	2.0	75	0.6	220	17
NT-GH 80	80	460x762	2.0	75	0.6	220	21
NT-GH 100	100	460x943	2.0	75	0.6	220	26

## PREMIUM UNIVERSAL GOLDHEAT

Art. NT-UG 80, NT-UG 100.



The water heater is combine modern design and high quality. Water heaters of this series includes an external water temperature controller, water temperature light and external thermometer. The heater is designed for both vertical and horizontal installation on a wall.

The heating element of water heaters is covered with gold jewelry in this series. This coating does not react with acids, alkalis, salts, present in the water. Also it provides excellent corrosion resistance of the heating element and prevents the formation of scale on the HE. The lack of scale on the heating element allows to save energy due to lower energy consumption and no loss of HE power. Lack of scale also prevents overheating of the heating element and helps to increase the service life and reliability of your water heater.

## Technical characteristics

Model	Capacity,l	Exterior dimensions, mm	Power, kWt	Max heating, °C	P nom., MPa	U nom., B	Weight, kg
NT-UG 80	80	460x762	2.0	75	0.6	220	21
NT-GH 100	100	460x943	2.0	75	0.6	220	26

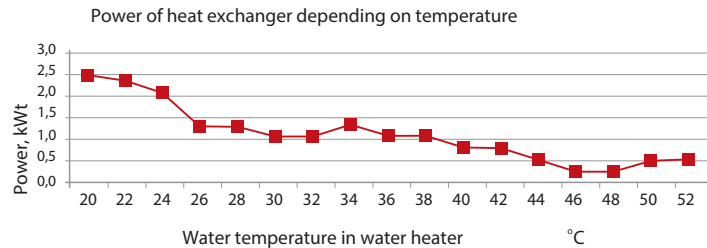


# Electric water heaters

## PREMIUM COMBI (indirect heating)



Nova Tec Company presents a new line of water heaters with indirect heat exchanger Art. NT-CB 80 and Art. NT-CB 100. These heaters have a possibility of water heating by means of electric power and the external coolant. The external heat source may be solar collectors, boilers, etc.



This graph represents the dependence of the power of the heat exchanger on the water temperature in the water heater. The data were obtained under the following conditions:

- Flow rate 3 l/min.
- Coolant temperature 70 °C.
- The temperature measured at the top of the bulb thermostat.



## Technical characteristics

Model	Capacity,l	Exterior dimensions, mm	Power, kWt	Max heating, °C	P nom., MPa	U nom., B	Weight, kg
NT-CB 80	80	460x762	2.0	75	0.6	220	24
NT-CB 100	100	460x943	2.0	75	0.6	220	29

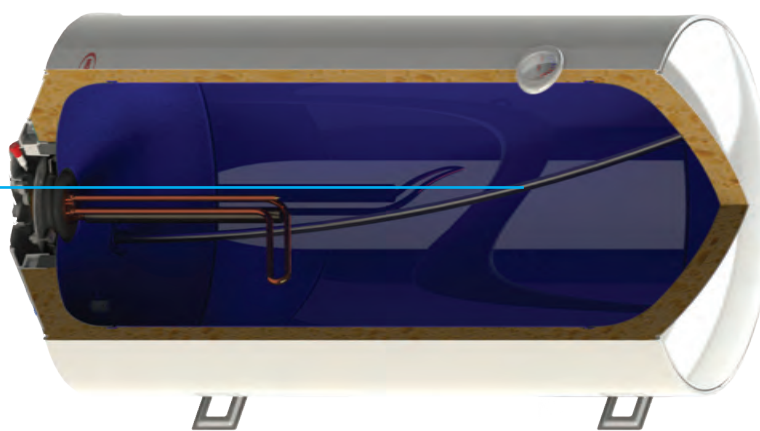
## PREMIUM UNIVERSAL

Art. NT-U 80, NT-U 100.



The water heater is combining an elegant, modern design and high quality. Water heaters have imposed a series of universal temperature control, anti-bacterial coating of the inner tank, the water temperature indicator and thermometer. The heater is designed for horizontal or vertical mounting.

Hot water pipe



Universal fastening

