



**WATER  
HEATER  
WABO**

# WATER HEATER WABO



## FEATURES

The particular construction of the tank allows to have a sizeable surface of contact with water (larger than a square meter/1,550 square inch) wrapped by a special heating element that, fed by electrical power, reaches the temperature of 120°C (248°F), bringing to 85°C (185°F) the temperature of the interior walls of the tank, therefore increasing the thermal transmission to the water and, at the same time, reducing to a minimum the formation of mineral deposits (see installation instructions).

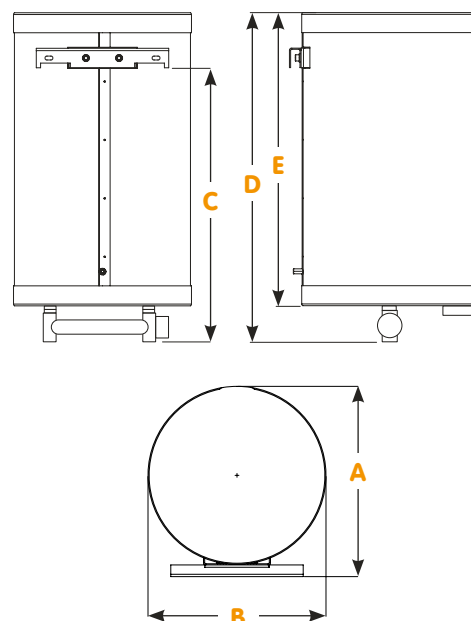
## NO HARMFUL ELECTROMAGNETIC EMISSIONS

## OPERATIONAL FEATURES

The tank is made of AISI type 316L stainless steel with TIG (Tungsten Inert Gas) and Microplasma welding technologies and with pickling treatment inside and outside. The cold water that enters from the base of the tank is channeled through the heated walls, allowing for a fast and efficient exchange of temperature between the walls and the water, which heats up very quickly. The electrical consumption is considerably reduced and optimized, thanks to a heating element made of carbon fiber (element that reduces the required electrical energy needed by 40%, at equal temperature reached) and to the variations of the electrical power utilized (NTA\_75LT = 650W - 1370W and 1540W in the "Plus" function). The central control unit, with display, is connected to two thermostats for the checking and the constant control of the water temperature in its high and low positions in the tank.

## CARBON FIBER

Carbon fiber is flexible, does not oxidize, does not produce harmful electromagnetic fields during electricity flow, has no dimensional variations, as the temperature changes, or deterioration of ohmic values. No wearing and no maintenance necessary. Its high resistivity permits significant energy savings.



WABO UNIT

## CENTRAL CONTROL UNIT FEATURES

- Two programmable daily, hourly time bands of operation.
- Management of the temperature of the accumulation to efficiently dose the electrical consumption according to the actual needs of hot water by the user.
- Management of the electrical power.

## ADVANTAGES

- Performance of hot water production in quantity not comparable with similar products functioning with electrical resistances immersed in the water.
- Large energy savings in relation to the environment.
- Economical use, thanks to the modulation of the electrical power utilized.

TECHNICAL SPECIFICATIONS	UNITS OF MEASUREMENT	NTA_50LT	NTA_75LT	NTA_100LT
Capacity	l	50	75	100
Power	W	410/890/1060	650/1370/1540	650/1610/1780
Power Supply	V	230	230	230
Heating time ( $\Delta t = 45^\circ\text{C}$ )	h. min.	*	2,32	*
Maximum operating temperature	$^\circ\text{C}$	90	90	90
Heat loss at 65°C (149°F)	kWh/24h	*	1,37	*
Maximum operating pressure	bar	6	6	6
Weight	kg/lb	16/35.27	20/44.09	25/55.11
Protection Degree	International Protection	IP40	IP40	IP40
DIMENSIONS				
A	mm/in	460/181.19	460/181.19	460/181.19
B	mm/in	450/177.16	450/177.16	450/177.16
C	mm/in	590/232.28	830/326.77	1130/444.88
D	mm/in	730/287.40	980/385.3	1280/503.94
E	mm/in	700/275.59	950/374.02	1250/492.13

CONFORMITY



This product is manufactured in conformity with the electrical safety standards set by low voltage norm 2006/95/CE. This product is in conformity with norm 2004/108/CE, concerning the standards for electromagnetic emissions.