

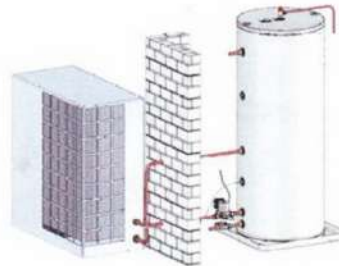
STORAGE TANKS

ENAMEL HOT WATER STORAGE TANK

Model	Tank with one Enameled Steel Coil		Tank with one Enameled Steel Coil	
	coil area (m ²)		Top coil area (m ²)	Bottom coil area (m ²)
BNT-100-TC				
BNT-150-TC	1.0		0.67	1.0
BNT-200-TC	1.1		0.76	1.1
BNT-250-TC	1.1		0.76	1.1
BNT-300-TC	1.4		1.0	1.4
BNT-400-TC	1.72		1.15	1.72
BNT-500-TC	1.72		1.15	1.72



STANDALONE

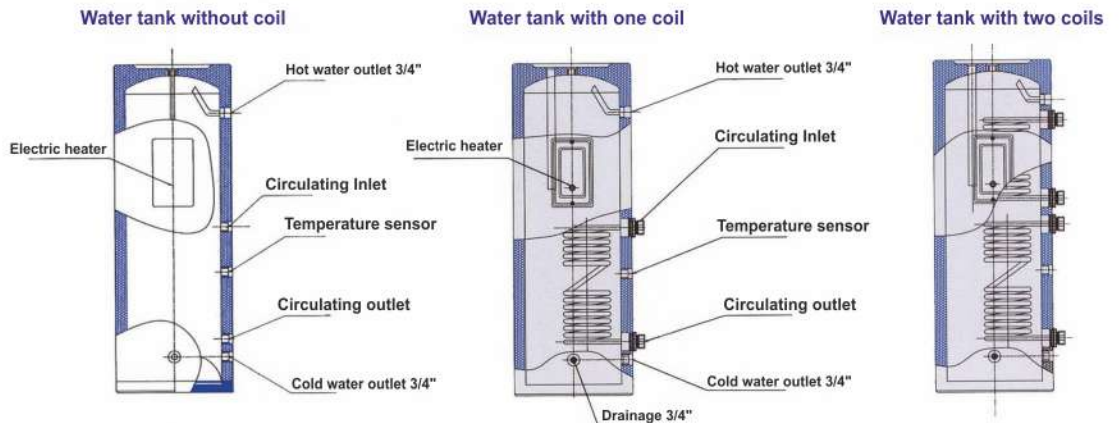


HEAT PUMP



SOLAR

Tank Structure Drawing-



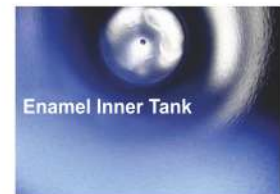
STORAGE TANKS

Model	100L	150L	200L	250L	300L	400L	500L
Inner tank	Enameled steel (Steel BTC340R 1.8mm)	Enameled steel (Steel BTC340R 2.5mm)	Enameled steel (Steel BTC340R 2.5mm)	Enameled steel (Steel BTC340R 2.5mm)	Enameled steel (Steel BTC340R 2.5mm)	Enameled steel (Steel BTC340R 2.5mm)	Enameled steel (Steel BTC340R 2.5mm)
Outer tank	Galvanized Steel (color - White, 0.5mm)	Galvanized Steel (color - White, 0.5mm)	Galvanized Steel (color - White, 0.5mm)	Galvanized Steel (color - White, 0.5mm)	Galvanized Steel (color - White, 0.5mm)	Galvanized Steel (color - White, 0.5mm)	Galvanized Steel (color - White, 0.5mm)
Insulation	Polyurethane 45mm	Polyurethane 45mm	Polyurethane 45mm	Polyurethane 50mm	Polyurethane 50mm	Polyurethane 50mm	Polyurethane 50mm
Inlet/Out size	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Working Pressure	700 kPa	6 bar	6 bar	6 bar	6 bar	6 bar	6 bar
Electric heater	2.0kW	1.5 kW	2.5 kW	2.5 kW	2.5 kW	3.0 kW	3.0 kW
Dimensions	Ø480×1103	Ø520×1310	Ø580×1378	Ø580×1658	Ø650×1519	Ø710×1651	Ø710×1825
Packing size	545×545×1140	545×545×1405	605×605×1473	605×605×1753	675×675×1614	735×735×1757	735×735×1920
20'/40' container loading	80 / 160	40 / 84	27 / 57	27 / 57	24 / 51	21 / 45	21 / 45

NEW TECHNOLOGY - Water storage tanks are adapted to the advanced technology of vitreous enamel inner tank, which fuses to solid steel at about 900° C. The result is a smooth and tough surface that effectively resists the corrosive attacks of hot water chemicals, thus ensuring a long life span of water tank, *especially suitable for the areas of hard water.*

Best materials –

- Enamel: Imported from USA Ferro who is the worldwide biggest enamel manufacture;
- Inner tank steel: from Baosteel who is the Chinese biggest Steel manufacturer;
- Steel surface cleaning Grit: imported from French W Abrasives who is the worldwide biggest abrasives manufacturer;
- Pressure and Temperature Relief valve: imported from canadian Watts;
- Thermostat: imported from USA Emerson;
- Electric Element: from Sweden company Backer / Japanese company kawai.



Insulation protection - CFC free polyurethane foam insulation is injected and surrounds the inner tank, filling the space between the inner tank and outer tank thus providing an exceptionally good heat retention barrier. This helps to reduce the energy cost by minimizing standby heat loss.

Electric Element - Low density Incoloy 800 immersion type element ensures long lasting performance with choice of various heat input (kW) offering different hot water recovery rates.

Anode Protection - Each tank is provided with a magnesium anode rod to protect it against corrosion, a process well proven in years of application.

Safety Protection - Each tank is provided with a pressure and temperature relief valve (P/T valve). It protects the tank against excessive pressure and temperature by releasing its contents safely to the floor trap via the drain pipe.

customized - We can make the customized tanks according to customer's requests.

Wide Application - Water tank can be working standalone as an electric water heater, and it can also be working with solar collector, heat pump, gas, etc, like the following drawing: