

HOT WATER GROUP

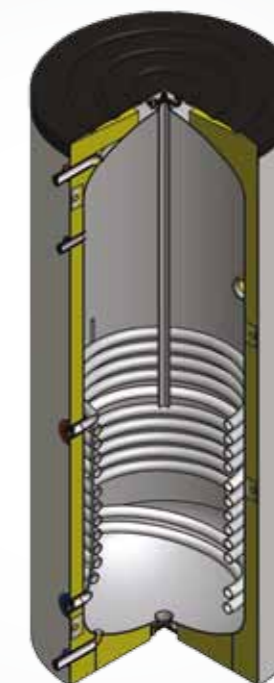
## AQUA HOT-Water Storage Tanks



 **baymak**

**BDR**  **THERMEA**

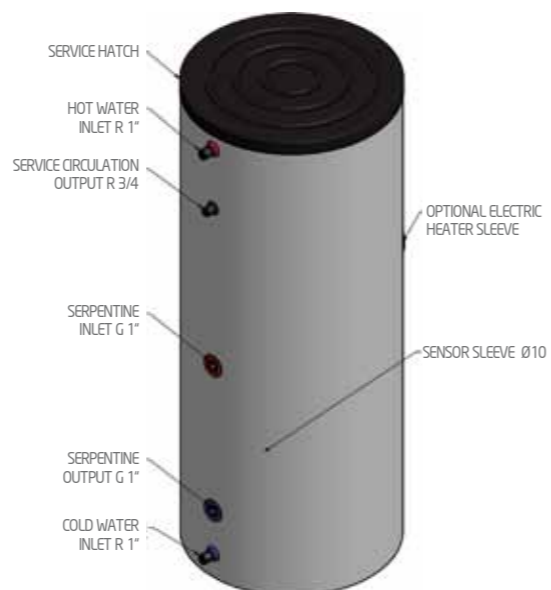
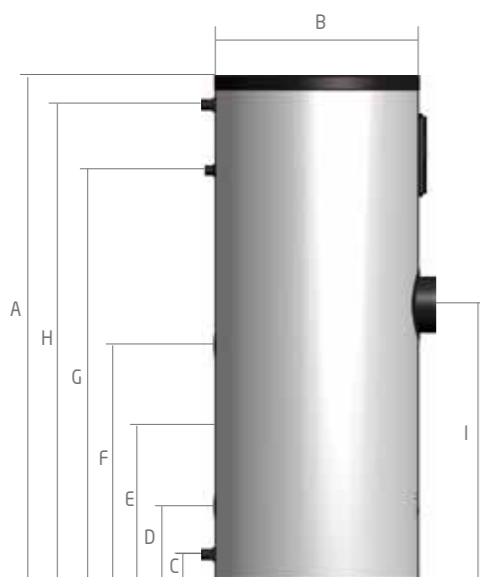
# AQUA SINGLE COIL HOT-WATER STORAGE TANKS



- Used for the preparation and storage of hot water
- Large capacity range with 80 - 1000 l models
- Produces hot water quickly by means of serpentine
- Running water hygiene certificate (PZH)
- Vertical typed, takes a small place
- Hot water cylinders' interior surfaces are hygienic with high-tech titanium doped enamel-coating
- Keeps the water temperature for a long time with 50 mm polyurethane insulation
- All surfaces come into contact with clean water are hygienic and smooth that does not allow bacterial growth
- Protected against corrosion by a magnesium anode stick
- Immersion thermometer is used in all the models
- Hot-water cylinder's body and serpentine material are composed of St 37/2 steel
- Electric heater (optional)

## Technical Data Sheet

### Hot-Water Storage Tank Technical Specifications

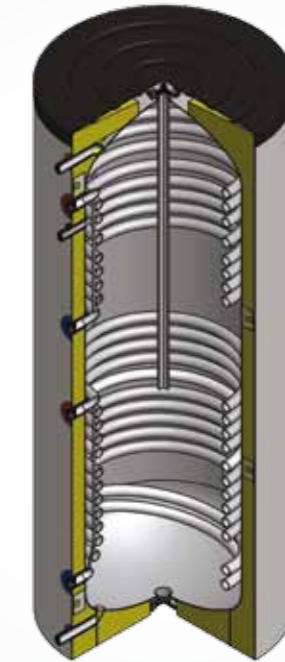


MEASURE	DEFINITION		CAPACITY									
			T 80L	T 100L	T 120L	T 160L	T 200L	T 300L	T 400L	T 500L	T 800L	T 1000L
A	Height	mm	845	1000	825	1125	1280	1210	1560	1860	1700	2045
B	Insulated Diameter	mm	500	500	600	600	600	740	740	740	1050	1050
C	Tap Water Inlet	mm	70	70	80	80	80	85	85	85	115	115
D	Serpentine Outlet	mm	220	220	245	245	245	280	280	280	310	310
E	Sensor Sleeve	mm	350	400	420	375	520	555	605	650	770	1015
F	Serpentine Inlet	mm	505	550	505	600	650	685	780	875	1000	1240
G	Service Circulation Outlet	mm	635	790	600	785	935	875	1225	1525	1245	1595
H	Hot Water Outlet	mm	790	945	760	1060	1210	1135	1490	1785	1565	1915
I	Electric Heater Connection Sleeve	mm	-	-	-	650	690	725	870	1020	1075	1310
	Water Inlet-Outlet Diameter	inch	R 1"	R 1"	R 1"	R 1"	R 1"	R 1"	R 1"	R 1"	R 1"	R 1"
	Service Circulation Outlet Diameter	inch	R 3/4"	R 3/4"	R 3/4"	R 3/4"	R 3/4"	R 3/4"	R 3/4"	R 3/4"	R 3/4"	R 3/4"
	Serpentine Input-Output Diameter	inch	G 1"	G 1"	G 1"	G 1"	G 1"	G 1"	G 1"	G 1"	G 1"	G 1"
	Electric heater Connection Sleeve	inch	-	-	-	G 1 1/2"	G 1 1/2"	G 2"	G 2"	G 2"	G 2"	G 2"
	Cleaning Hatch		-	-	-	-	-	DN100	DN100	DN100	DN250	DN250
	Weight	kg	38	43	54	81	90	110	178	200	260	295

# AQUA DOUBLE COIL HOT-WATER STORAGE TANKS

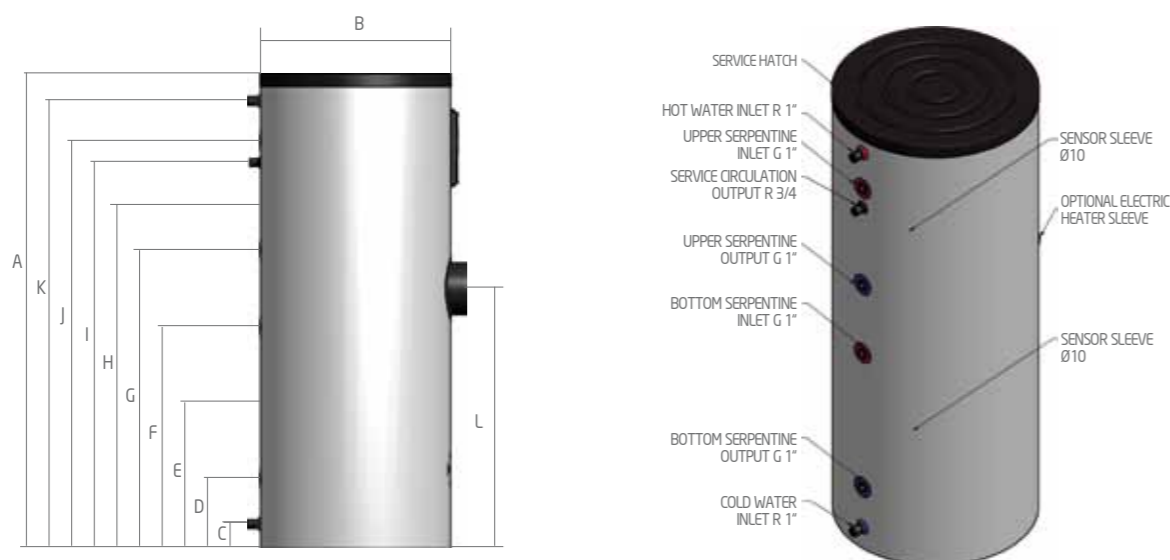


- Used together with Solar Collectors and Heating Boiler System for the purpose of preparation and storage of hot water
- Large capacity range with 160 - 1000 l models
- Produces hot water quickly by means of serpentine
- It has running water hygiene certificate (PZH)
- Hot water cylinders' interior surfaces are hygienic with high-tech titanium doped enamel-coating
- Keeps the water temperature for a long time with 50 mm polyurethane insulation
- Vertical typed, takes a small place
- All surfaces come into contact with clean water are hygienic and smooth that does not allow bacterial growth
- Protected against corrosion by a magnesium anode stick
- Immersion thermometer is used in all the models
- Hot-water cylinder's body and serpentine material are composed of St 37/2 steel
- Electric heater (optional)



Technical Data Sheet

## Hot-Water Storage Tank Technical Specifications



MEASURE	DEFINITION		CAPACITY									
			C 80L	C 100L	C 120L	C 160L	C 200L	C 300L	C 400L	C 500L	C 800L	C 1000L
A	Height	mm	-	-	-	1125	1280	1210	1560	1860	1700	2045
B	Insulated Diameter	mm	-	-	-	600	600	740	740	740	1050	1050
C	Tap Water Inlet	mm	-	-	-	80	80	85	85	85	115	115
D	Bottom Serpentine Outlet	mm	-	-	-	245	245	280	280	280	310	310
E	Bottom Sensor Sleeve	mm	-	-	-	375	520	555	605	650	770	1015
F	Bottom Serpentine Inlet	mm	-	-	-	600	650	685	780	875	1000	1240
G	Upper Serpentine output	mm	-	-	-	705	740	795	975	1180	1380	1435
H	Upper Sensor Sleeve	mm	-	-	-	785	890	875	1155	1405	1500	1605
I	Service Circulation Outlet	mm	-	-	-	785	935	875	1225	1525	1245	1595
J	Upper Serpentine Inlet	mm	-	-	-	870	1025	960	1310	1610	1665	1770
K	Hot Water Outlet	mm	-	-	-	1060	1210	1135	1490	1785	1565	1915
L	Electric Heater Connection Sleeve	mm	-	-	-	650	690	725	870	1020	1075	1310
	Water Inlet-Outlet Diameter	inch	-	-	-	R 1"	R 1"	R 1"	R 1"	R 1"	R 1"	R 1"
	Service Circulation Outlet Diameter	inch	-	-	-	R 3/4"	R 3/4"	R 3/4"	R 3/4"	R 3/4"	R 3/4"	R 3/4"
	Serpentine Input-Output Diameter	inch	-	-	-	G 1"	G 1"	G 1"	G 1"	G 1"	G 1"	G 1"
	Electric heater Connection Sleeve	inch	-	-	-	G 1 1/2"	G 1 1/2"	G 2"	G 2"	G 2"	G 2"	G 2"
	Cleaning Hatch		-	-	-	-	-	DN100	DN100	DN100	DN250	DN250
	Weight	kg	-	-	-	86	98	116	190	218	276	308

# AQUA HOT-Water Storage Tanks

## Hot-Water Cylinder Technical Specifications

Hot-Water Cylinders are welded based on using fully automated manufacturing methods. Thus they were created at the highest level of manufacturing quality and errors caused by human factor are totally eliminated.

For the hot-water cylinder tanks to be enamel coated, products recommended as steel appropriate for enamelling are used. If the tank is coated with steel unqualified for enamelling, the enamel-coating poured out from the sheet in a very short period of time and tank is easily punctured due to corrosion.

At Baymak Enamel Coating Plants, robots controlled by PLC Units are used for cleaning, drying, enamelling and firing processes of the tanks. All process stages are free of human factor and the probability of error has been eliminated. Hot-Water Cylinder tanks have been designed in accordance with enamelling. Tanks to be enamel coated include special construction details compared to other tanks. Hot-water cylinder tanks with their special design are completely compliant for enamel coating process and since there is no enamel defect, long-term tank life is ensured.

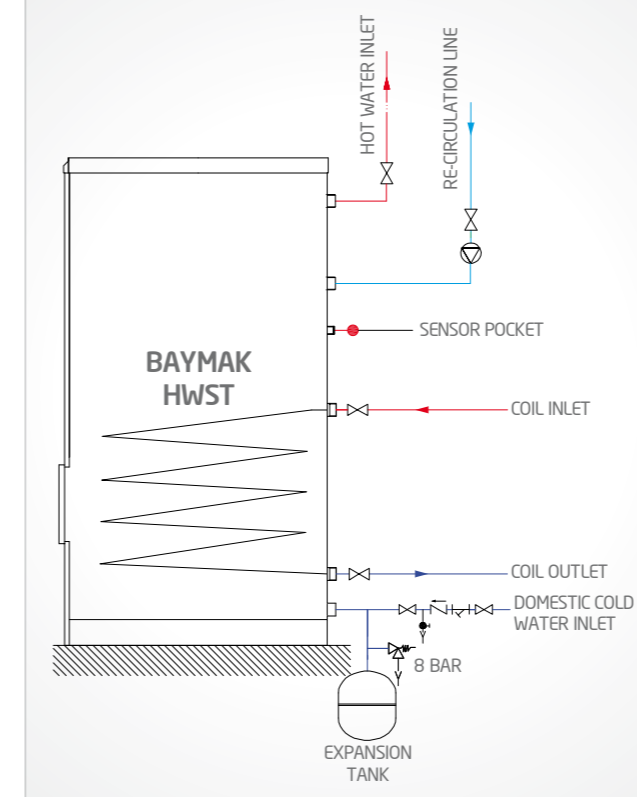
The inner surface of hot-water cylinder tanks is enamel coated. Enamel coating of the inner surface of the tank means that the inner surface of the tank is coated with glass. Thus, the hygiene of the ambient that running water is stored is maintained in the best way and corrosive materials in the water are prevented from damaging tank's plate.

Resistance of the tank against water corrosion is not ensured by tank plate's thickness but by quality of the enamel coated.

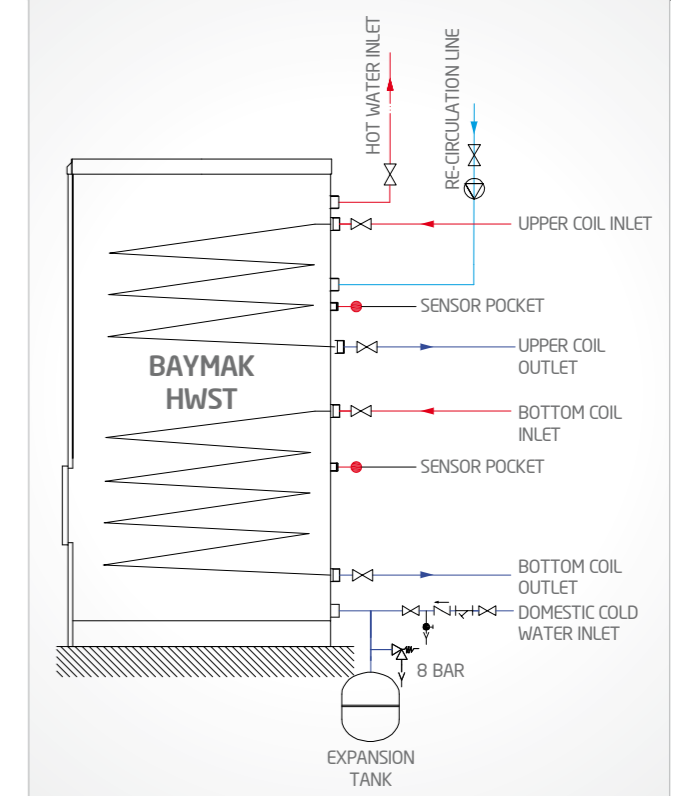
There is titanium material in all types of enamel used to coat tanks in which the running water is stored.



## AQUA SINGLE COIL HOT-WATER STORAGE TANKS



## AQUA DOUBLE COIL HOT-WATER STORAGE TANKS





**HEADQUARTERS**

Orhanlı Beldesi Orta Mahalle, Akdeniz Sok. No: 8

Tuzla 34959 - İSTANBUL

Phone : +90 216 581 65 00

Fax : +90 216 581 65 82

[www.baymak.com.tr](http://www.baymak.com.tr)

[ihracat@baymak.com.tr](mailto:ihracat@baymak.com.tr)

