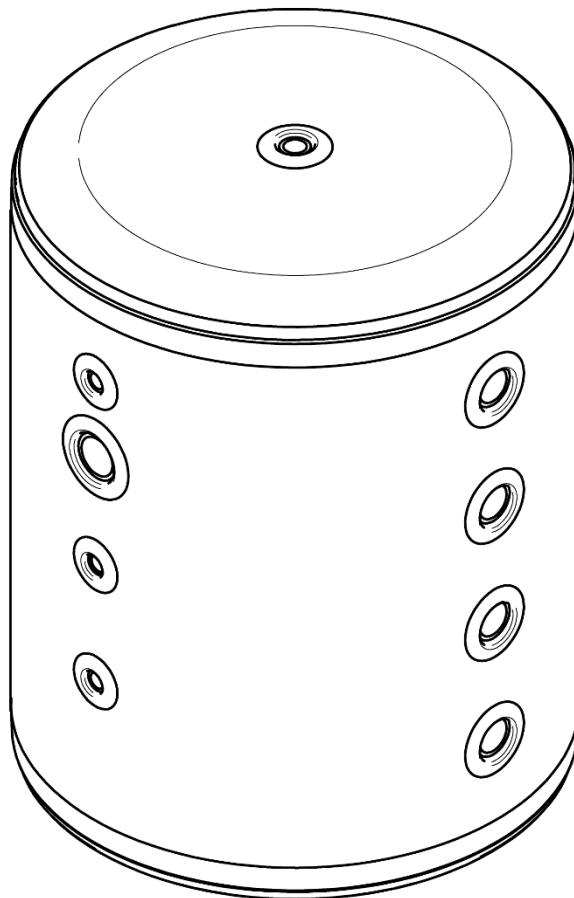


# INSTALLATION AND OPERATION INSTRUCTIONS

→ BT



**DOMUSA**  
T E K N I K

Thank you for choosing a **DOMUSA TEKNIK** product. From the range of **DOMUSA TEKNIK** products you have chosen a **BT**, a primary buffer that along with a heat pump of the **DOMUSA TEKNIK** line, is able to provide the level of comfort suitable for your home with balance and savings.

This document constitutes an essential part of the product and must be delivered to the end user. It is advisable to carefully read the warnings and advice contained in this manual, as they provide important information regarding the safety of the installation, as well as use and maintenance.

The installation of these tanks should be carried out only by qualified personnel, in accordance with the regulations in force and following the manufacturer's instructions.

Both the start-up and any maintenance operation of these tanks should be carried out only by the Technical Assistance Services authorized by **DOMUSA TEKNIK**.

Incorrect installation of these tanks may cause damage to people, animals and materials, for which the manufacturer shall not be held liable

**INDEX**

**Page**

1 SAFETY WARNINGS.....	2
1.1 FREEZE PROTECTION.....	2
2 INSTALLATION INSTRUCTIONS.....	2
2.1 LOCATION.....	2
2.2 HYDRAULIC INSTALLATION.....	2
3 DIAGRAMS AND MEASUREMENTS.....	4
4 TANK DRAINAGE.....	5
5 START-UP .....	5
6 EQUIPMENT DELIVERY.....	5
7 TECHNICAL CHARACTERISTICS .....	6
8 SPARE PARTS.....	6

## 1 SAFETY WARNINGS

The hydraulic installation should be carried out by qualified personnel, in compliance with the current installation regulations.

All interventions in the system must be carried out by a Technical Assistance Service authorized by **DOMUSA TEKNIK**, since any modification to its configuration may cause operating errors and serious damage.

This device can be used by children aged 8 years and above and people with reduced physical, sensory or mental abilities or lack of experience and knowledge, provided that they have been given appropriate supervision or training regarding the use of the device in a safe manner and the dangers involved. Children should not play with the appliance. The cleaning and maintenance to be performed by the user should not be carried out by children without supervision.

### 1.1 Freeze Protection

Precautions should be taken against possible frost, in order to avoid damage to the installation. It is advisable to add antifreeze to the water in the tank which should be compatible with public hygiene standards and must not be toxic. **DOMUSA TEKNIK** recommends the use of propylene glycol. Please contact the manufacturer of the product before use.

For long periods of stoppage of the installation, all **water in the tank should be emptied**.

## 2 INSTALLATION INSTRUCTIONS

### 2.1 Location

The tank should not be installed outdoors or in a place where it can be exposed to inclement weather.

For better energy use, the tank should be installed as close as possible to the heat generator.

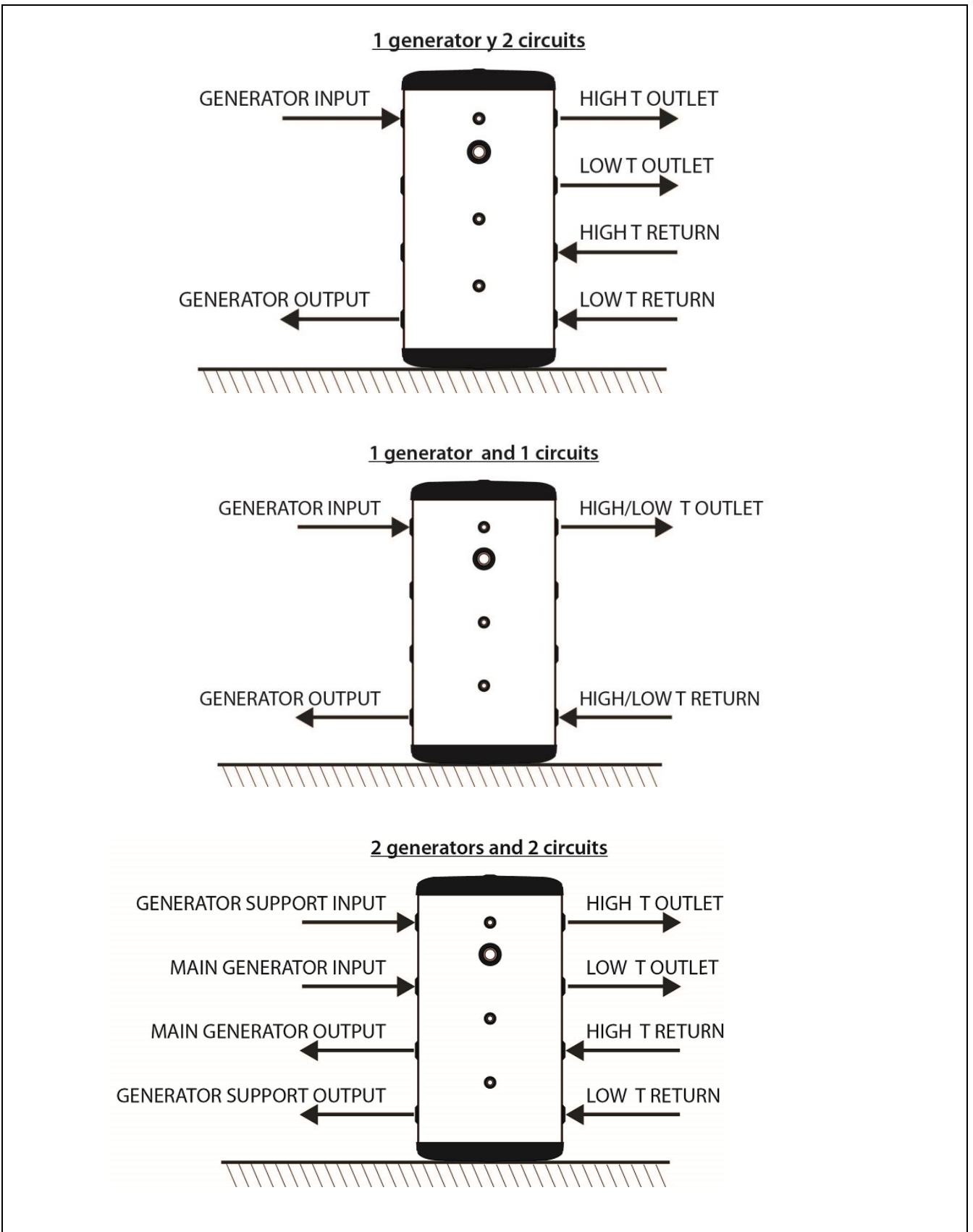
When choosing the location, the weight of the filled tank should be taken into account, and it must be protected against frost. The pipes should have thermal insulation in accordance with current regulations

### 2.2 Hydraulic installation

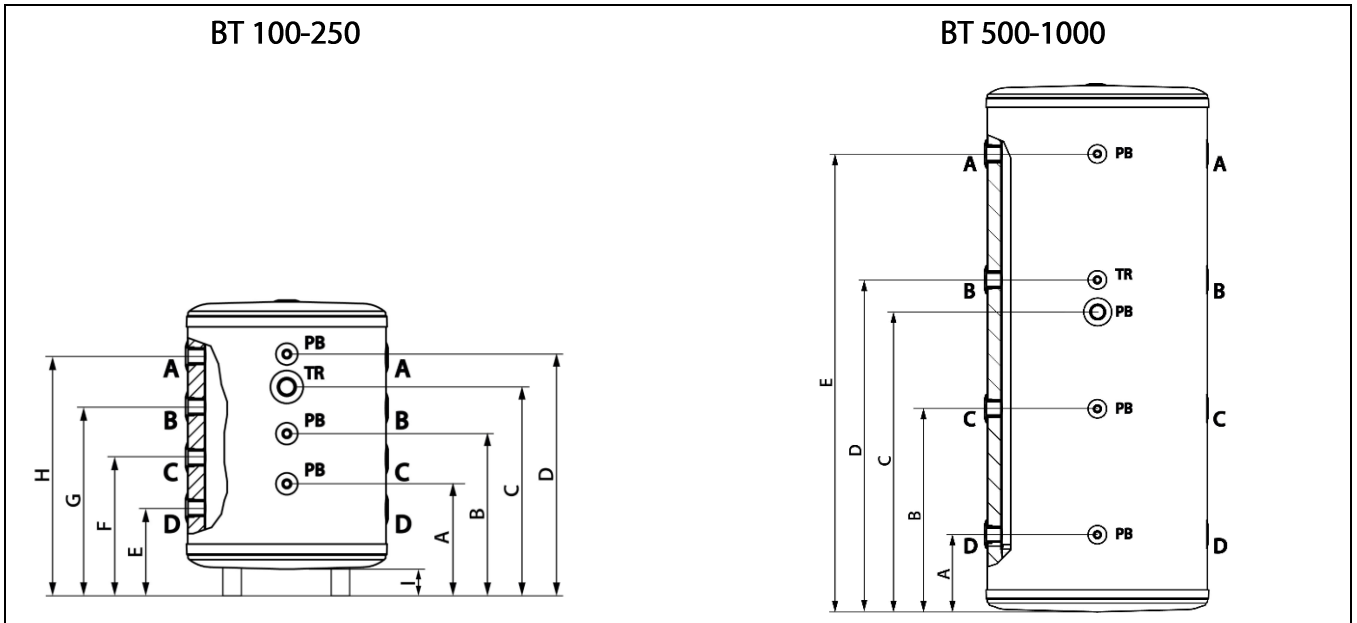
The hydraulic installation must be made by qualified personnel. The applicable installation standards must be complied with, and the following recommendations should also be taken into account:

- We recommend inserting cut-off valves between the installation piping and the heat pump to simplify maintenance tasks.
- Leave a free space around the heat pump for carrying out any maintenance and repair operations.
- Air vent valves and suitable devices should be fitted for the correct removal of air from the circuit during the filling stage.

The **BT** tanks can be hydraulically connected in many ways, as shown in the following installation samples.



**3 DIAGRAMS AND MEASUREMENTS**



		BT 100	BT 100M	BT 150	BT 200	BT 250	BT 500	BT 750	BT 1000	
Base dimension	mm	581					758	858	1058	
Height dimension	mm	852	739	1132	1432	1732	1797	1975	1737	
Inlet – outlet connections	A/B/C/D ∅	1-1/4"					1-1/2"			
Electric heater connection	TR ∅	1-1/4"					1-1/2"			
Sensor holder sheath connection	PB ∅	1/2"								

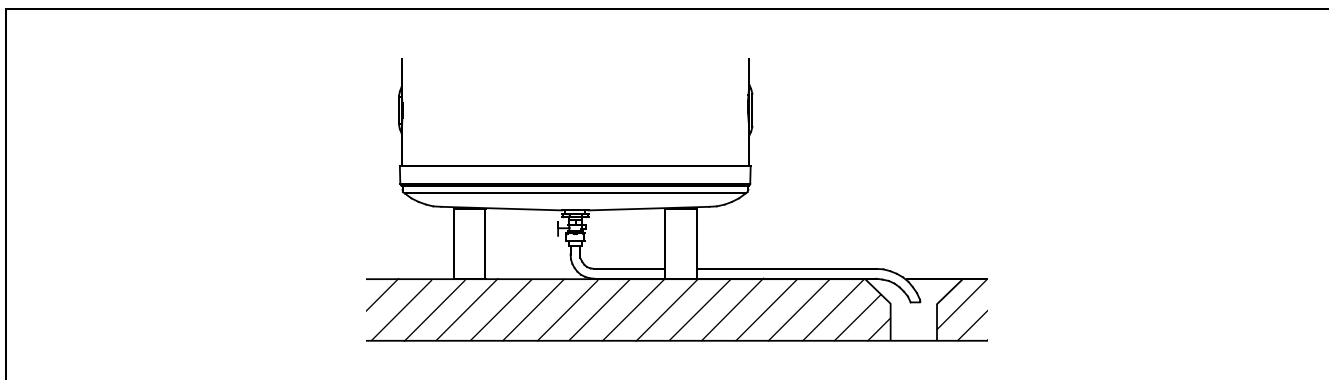
		BT 100	BT 100M	BT 150	BT 200	BT 250	BT 500	BT 750	BT 1000
"A" Dimension	mm	338	225	380	435	485	245	345	360
"B" Dimension	mm	484	371	610	775	925	675	785	680
"C" Dimension	mm	619	506	864	1114	1364	1004	1114	1009
"D" Dimension	mm	714	601	985	1285	1858	1114	1224	1119
"E" Dimension	mm	265	152	265	265	265	245	345	360
"F" Dimension	mm	411	288	495	605	705			
"G" Dimension	mm	557	444	725	945	1145			
"H" Dimension	mm	703	590	985	1285	1485			
"I" Dimension	mm	113	-	113	113	113			

## 4 TANK DRAINAGE

For the correct drainage of the **BT** tank, it is advisable to install a cut-off valve in the drain valve socket provided in the lower part of the tank (**BT 100–250** models).

Check that the hose is securely fastened to the inlet.

Then the other end of the hose should be directed to a drain, so that the drain is at a level below the base of the tank



## 5 START-UP

In order to valid the guarantee, the heat pump must be started up by personnel authorized by **DOMUSA TEKNIK**. Before beginning the start-up process, check that:

- The installation must be filled with water and well vented.
- The air vent valve should be working correctly.
- The hydraulic fittings and connections have been made correctly.
- The fittings, connections and gaskets do not leak.

## 6 EQUIPMENT DELIVERY

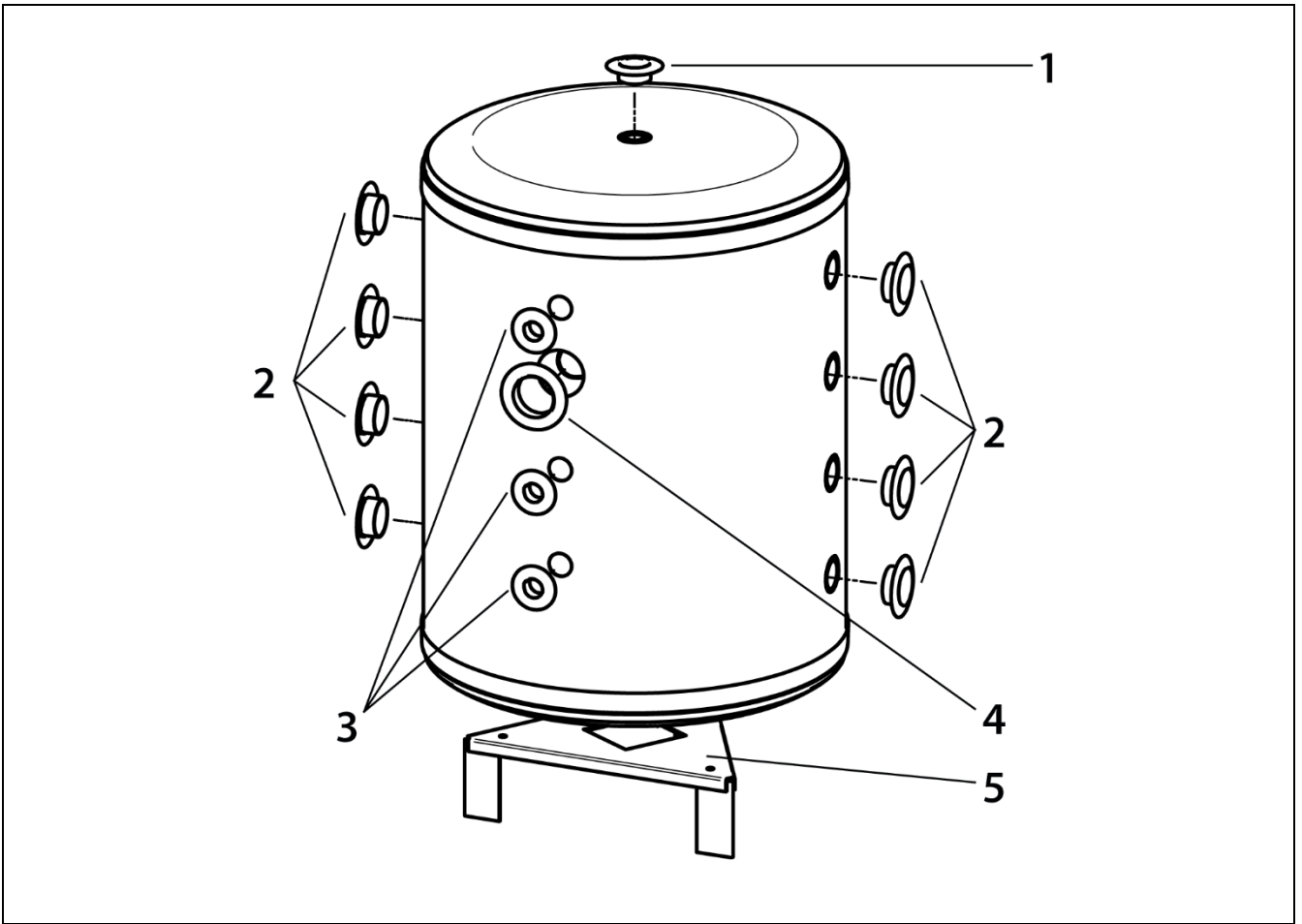
After the initial start-up, the Technical Assistance Service will explain to the user how the tank functions, making any observations they consider relevant.

The installer is responsible for clearly explaining to the user the functioning of any control or regulation device forming part of the installation but not supplied with the tank.

**7 TECHNICAL CHARACTERISTICS**

		BT 100	BT 100M	BT 150	BT 200	BT 250	BT 500	BT 750	BT 1000
Installation		Floor	Wall	Floor	Floor	Floor	Floor	Floor	Floor
Buffer volume	L	100	100	150	200	250	500	750	1000
Max. primary temperature	°C	85	85	85	85	85	85	85	85
Max. primary working pressure	MPa bar	0,3 3	0,3 3	0,3 3	0,3 3	0,3 3	0,3 3	0,3 3	0,3 3
Dry weight	Kg	54	54	65	80	91	162	198	213
Wet weight	Kg	154	154	215	280	341	662	948	1213

**8 SPARE PARTS**



<u>Pos</u>	<u>Code</u>	<u>Denomination</u>
1	CFER000086	Black trim 1"
2	CFER000087	Black trim 1 1/4"
3	CFER000084	Black trim 1/2"
4	CFER000089	Black trim 1 1/2"
5	SEPO001364	Tank base









# DOMUSA

## T E K N I K

**POSTAL ADDRESS**

Apartado 95  
20730 AZPEITIA  
Telfs: (+34) 943 813 899

**FACTORY & OFFICES**

Bº San Esteban s/n  
20737 ERREZIL (Gipuzkoa)

**[www.domusateknik.com](http://www.domusateknik.com)**

DOMUSA TEKNIK reserves the right to make modifications of any kind to its product characteristics without prior notice



CDOC001904

02/19