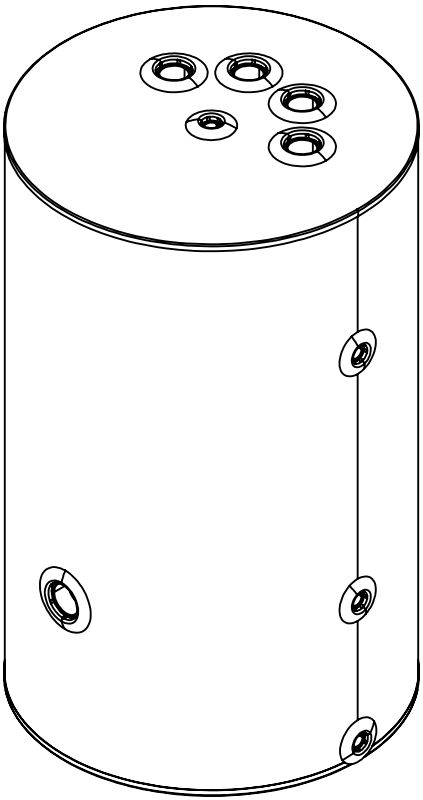
Mareli Systems

STEP FORWARD



Buffer tank

125 litres

User manual

rev. 1.0

1. Introduction

Dear Customer,
Our products are designed and manufactured in accordance with standards in force, with high quality materials and using our extensive experience in the transformation processes.

To get the best performance, we suggest you read the instructions in this manual carefully. It is and integral part of the product so ensure that the manual is always supplied with the appliance, even if it changes owner.

If the manual is lost you can download it directly from the company's website.

2. Advantages of using a buffer tank

- Buffer vessels are used in heating installations to accumulate heat or cold. They protect the devices from working in hot-cold mode, which considerably increases their operational period.
- It is suitable for connection to heating, solar and to systems intended for the indirect supply of a large number of DHW consumers.
- The buffer is made of high-quality steel brand S235JR (EN 10025).
- Working pressure of the buffer vessel - 3 bar.
- The external insulation of buffers is made of PU foam and powder-coated metal decorative coating.

3. General safety information

3.1 Risk of death due to lack of safety devices

A lack of safety devices (e.g. expansion relief valve, expansion vessel) can lead to potentially fatal scalding and other injuries, e.g. due to explosions. The schematic drawings included in this document do not show all safety devices required for correct installation.

- Install the necessary safety devices in the system.

- Inform the operator about the function and position of the safety devices.

- Observe the applicable national and international laws, standards and guidelines.

3.2 Risk of frost

If the product is placed out of operation for a relatively long period of time (e.g. during a winter holiday) in an unheated room, the heating water in the product and pipelines may freeze.

- Install the buffer cylinder in a dry and permanently frost-free installation room.

3.3 Risk of material damage caused by using an unsuitable tool

- Use the correct tool to tighten or loosen screw connections.

3.4 Material damage due to leaks

- Ensure that there is no mechanical tension on the supply lines.

- Do not suspend any loads from the pipelines (e.g. clothing).

3.5 Danger due to changes to the product environment

- If changes to the product's surroundings may affect the operational safety of the system, do not make any changes to the following:

- to the product itself

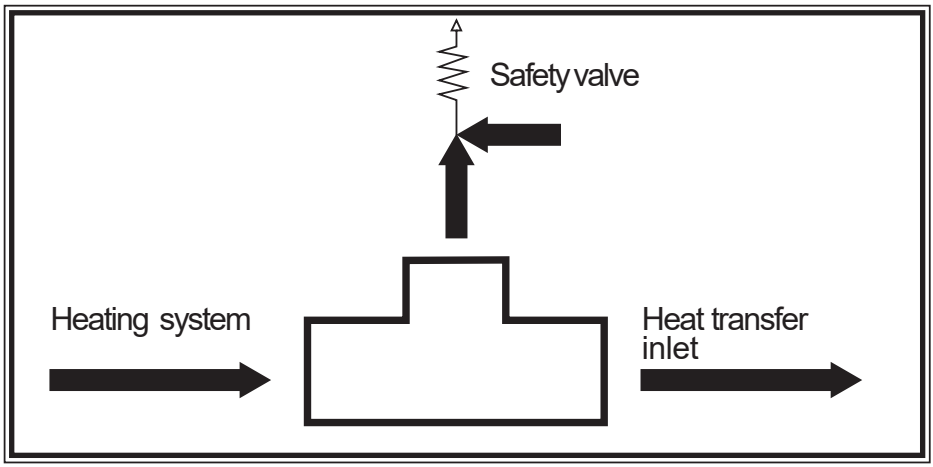
- to the gas, air, water and electricity supplies

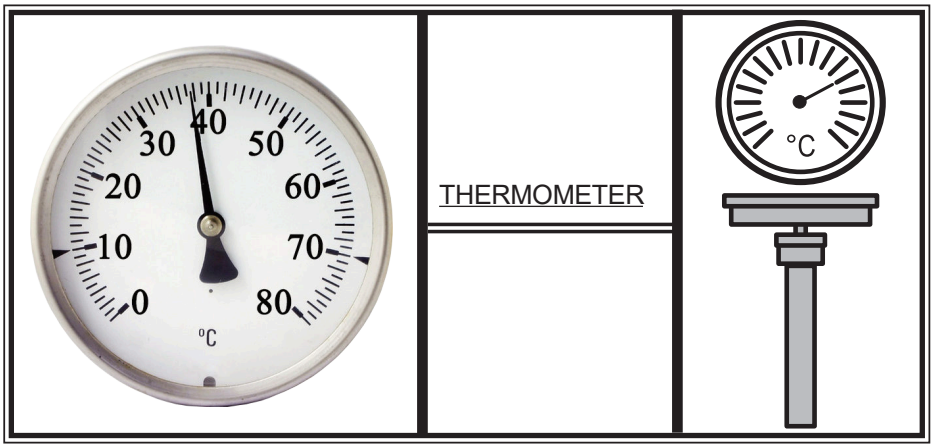
- to the drain line and expansion relief valve for the heating water

- to the structural elements

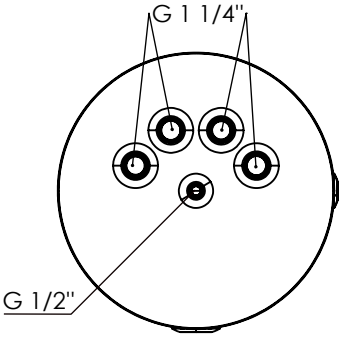
	**Important! The rooms in which the buffer tank is installed must be equipped with a floor drain to allow water to be drained during servicing. During installation, union fittings with shut-off valves must be installed at each buffer tank connection.**

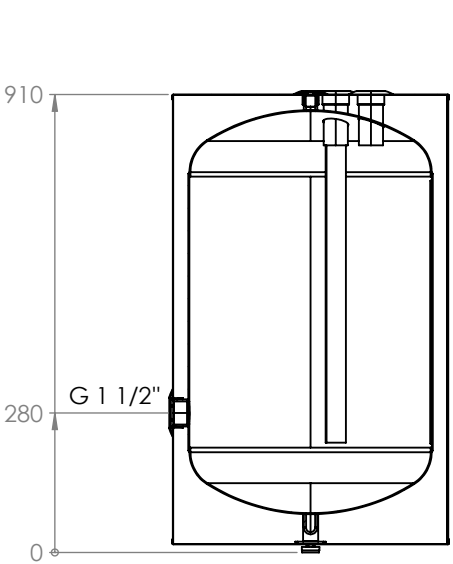
4. Connection diagram of the safety valve of the buffer body

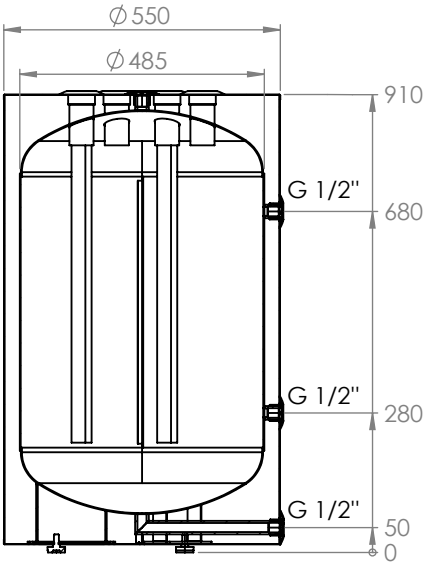




5. Technical data







6. Recycling and disposal

6.1 Disposal of package

The packaging of the device consists of cardboard and plastic foil. They should be separated and disposed of according to local regulations. Keep them away from children.

6.1 Disposal of the product and accessories

- ▶ Do not dispose of the product or the accessories with household waste.
- ▶ Dispose of the product and all accessories correctly.
- ▶ Observe all relevant regulations.

Recycle and disposal of the appliance are the sole responsibility of the owner, who must act in compliance with the applicable laws in the country, regarding safety, respect and protection of the environment. At the end of its useful life the product must not be disposed of together with municipal waste. It can be taken to the appropriate recycling centres set up by the municipalities, or to retailers that provide this service. Disposing of the product separately avoids possible negative consequences for the environment.
In particular, the electrical and electronic components must be separated and disposed of at centres authorized for this activity.



This symbol means the product must not be disposed together with domestic waste. For the purpose of preventing damage to health or the environment, users are kindly asked to separate this equipment and/or batteries or accumulators included from other types of waste and to arrange for disposal by a suitable service, organization or dealer. For more information about how to collect electric and electronic equipment and the appliances, batteries and accumulators, please contact your local council or public authority competent to issue the relevant permit.

Mareli Systems

STEP FORWARD

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