

For the operator

Instructions for use



allSTOR buffer cylinder

**GB**

**Publisher/manufacturer**

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## 1 Safety

### 1.1 Action-related warnings

#### Classification of action-related warnings

The action-related warnings are classified in accordance with the severity of the possible danger using the following warning signs and signal words:

#### Warning symbols and signal words



#### **Danger!**

Imminent danger to life or risk of severe personal injury



#### **Danger!**

Risk of death from electric shock



#### **Warning.**

Risk of minor personal injury



#### **Caution.**

Risk of material or environmental damage

### 1.2 Intended use

In the event of inappropriate or improper use, damage to the product and other property may arise.

The product is specially designed for closed central heating in households, sports facilities and businesses. All heat generators, including combinations of these, are considered.

Intended use includes the following:

- observance of the operating instructions included for the product and any other system components
- compliance with all inspection and maintenance conditions listed in the instructions.

Any other use that is not specified in these instructions, or use beyond that specified in this document shall be considered improper use. Any direct commercial or industrial use is also deemed to be improper.

#### **Caution.**

Improper use of any kind is prohibited.

### 1.3 General safety information

#### 1.3.1 Preventing frost damage

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 water in the product and pipelines may freeze.

- ▶ Ensure that the entire installation room is always frost-free.

#### 1.3.2 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).

#### 1.3.3 Danger due to changes to the product environment

There is a risk of injury or death to the user or others, or of damage to the product and other property, in the event of changes to the product environment.

- ▶ Never shut down the safety devices.
- ▶ Do not tamper with any of the safety devices.
- ▶ Do not damage or remove any seals on components. Only qualified competent persons and factory service personnel are authorised to make modifications to sealed components.
- ▶ Do not make any changes:
  - to the product
  - to the gas, air, water and electricity supply lines
  - to the drain line and expansion relief valve for the heating water
  - to the structural elements

#### 1.3.4 Risk of injury and material damage due to maintenance and repairs carried out incorrectly or not carried out at all

- ▶ Never attempt to carry out maintenance work or repairs on your product yourself.
- ▶ Faults and damage should be immediately rectified by a competent person.
- ▶ Adhere to the maintenance intervals specified.



## 2 Notes on the documentation

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#### 2.1 Observing other applicable documents

- ▶ You must observe all operating instructions enclosed with the system components.

#### 2.2 Storing documents

- ▶ Keep this manual and all other applicable documents safe for future use.

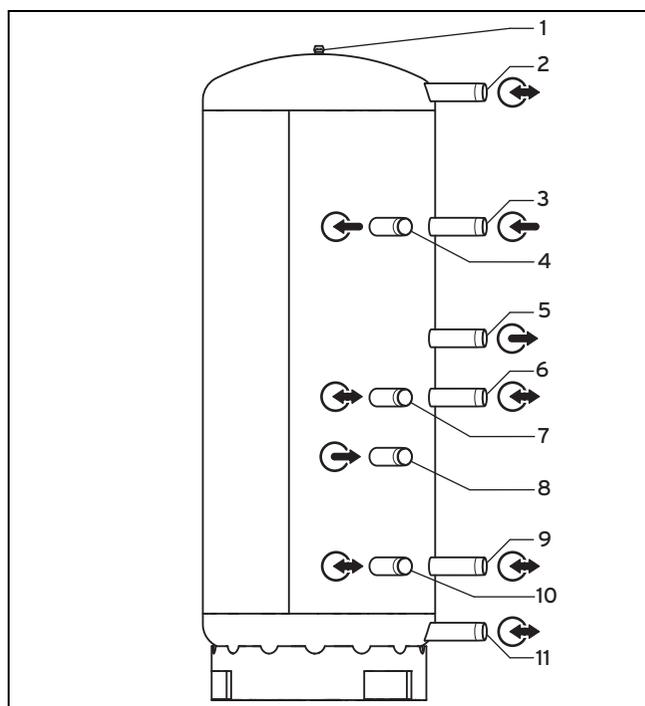
#### 2.3 Applicability of the instructions

These instructions apply for the following products only:

Type designation	Article number
VPS 300/3-5 INT	0010015130
VPS 500/3-5 INT	0010015131
VPS 800/3-5 INT	0010015132
VPS 1000/3-5 INT	0010015133
VPS 1500/3-5 INT	0010015134
VPS 2000/3-5 INT	0010015135

## 3 Description of the unit and functions

### 3.1 Design



- |                                      |   |
|--------------------------------------|---|
| 1 Opening for purging valve          | 6 Boiler flow for hot water demand/heating circuit flow |
| 2 Flow or return for cascade         | 7 Boiler flow for hot water demand/heating circuit flow |
| 3 Boiler flow for hot water demand   | 8 Boiler return for hot water demand                    |
| 4 Boiler flow for hot water demand   |   |
| 5 Boiler return for hot water demand |   |

- |  |   |
|--|---|
| 9 Boiler return for hot water demand/heating circuit return  | 11 Flow or return for cascade demand/heating circuit return |
| 10 Boiler return for hot water demand/heating circuit return |   |

The buffer cylinder is made from steel and is provided with a coating of black anti-rust paint on the outside. The buffer cylinder has connections for the piping for the heating and the boiler, and a purging valve.

### 3.2 Functionality

The buffer cylinder is supplied with the heat from one or more heat generators. The buffer cylinder is used as an intermediate cylinder for heating water to be further transported to the heating circuit or other heat sinks.

## 4 Caring for the product



#### Caution.

**Risk of material damage caused by unsuitable cleaning agents.**

- ▶ Do not use sprays, scouring agents, detergents, solvents or cleaning agents that contain chlorine.

- ▶ Clean the casing with a damp cloth and a little solvent-free soap.

## 5 Maintenance

An annual inspection and biennial maintenance of the product carried out by a competent person is a prerequisite for ensuring that the product is permanently ready and safe for operation, reliable, and has a long working life.

## 6 Troubleshooting

The following table provides information about potential faults when operating the buffer cylinder, along with their possible causes.

Fault	Possible cause	Remedy
Heating water drips out of the buffer cylinder.	Threaded connections leaking	Have the fault eliminated by your competent person.
Splashing noises can be heard from the buffer cylinder.	There is air in the buffer cylinder	
The controller displays an incorrect cylinder temperature.	Defective heat sensor or the heat sensor is positioned incorrectly	

## 7 Recycling and disposal

### Disposing of the packaging

- ▶ The competent person who installed the product is responsible for disposing of the packaging.

### Disposing of the product and accessories

- ▶ Do not dispose of the product or the accessories with household waste.
- ▶ Ensure that the product and all accessories are disposed of properly.
- ▶ Observe all relevant regulations.

## 8 Decommissioning



### Caution.

#### Risk of damage to the system

Improper decommissioning may lead to damage to the system.

- ▶ Make sure that only an authorised competent person decommissions the product.

- ▶ Make sure that only an authorised competent person decommissions the product.

## 9 Guarantee

Vaillant provide a full parts and labour guarantee for this appliance - please see guarantee card for details.

The appliances must be installed in accordance with The Water Regulations of:

- England and Wales: Water (supply and fittings) Regulations 1999 within England and Wales
- Scotland: The Water Byelaws
- Eire: Compliance with IS standards and Local Council regulations

Compliance with the Building regulations:

- England and Wales
- Scotland
- Northern Ireland
- Eire

Terms and conditions apply to the guarantee, details of which can be found on the guarantee registration card included with this appliance.

Failure to install and commission this appliance in compliance with the manufacturer's instructions will invalidate the guarantee (this does not affect the customer's statutory rights).

## 10 Customer service

To ensure regular servicing, it is strongly recommended that arrangements are made for a Maintenance Agreement. Please contact Vaillant Service Solutions (0870 6060 777) for further details.





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