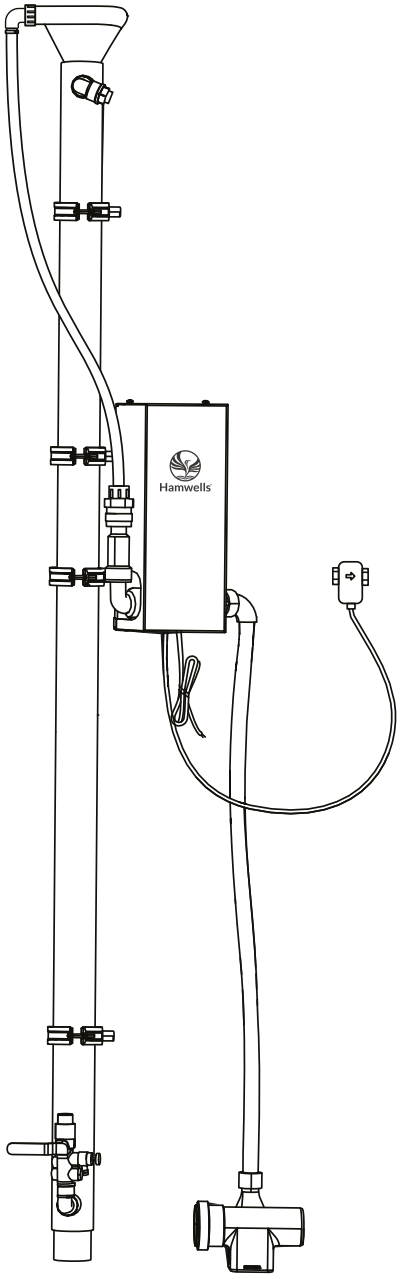
Hamwells®

Blue

Installation manual
Blue 12, 16, 21 & HE



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Copyright

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Warranty

The Blue has a standard 5 year warranty on all components*. This warranty is void if the product is damaged due to incorrect installation, misuse, improper maintenance, structural changes, or the use of non-original parts.

* *When installed for domestic use. Exceptions are mechanical damage to shower heads and glass panel.*

Hamwells Nederland B.V. is not liable for unsafe situations, accidents and damage, which are the result of among other things:

- Incorrect installation and/or maintenance of the Blue.
- Failure to follow warnings or regulations as shown on the Blue or in the installation manual.
- Use of the device or parts for purposes other than described in this manual.
- Incorrect assembly or alterations by the customer or third parties. This also includes the use of non-original replacement parts.
- Incompetence of the mechanic, improper use of the parts.

Safety

This installation manual refers to the Hamwells Blue 12, 16, 21 and HE. We strongly recommend that you read this manual carefully before installation. This manual has been prepared for technically qualified personnel in possession of the correct tools and all possible protective equipment.

Note! The installation of the Blue must be carried out in accordance with locally applicable standards.

The Blue has been designed with the utmost care. Constructional changes or the use of non-original parts can lead to a safety risk or malfunction of the Blue. If warnings and safety instructions are not followed, there is a risk of danger to people, water damage or damage to the Blue.

Symbols

The following marking conventions are used throughout this installation guide to draw attention to certain topics or actions.

 *Warning sign*

 *Mandatory sign*

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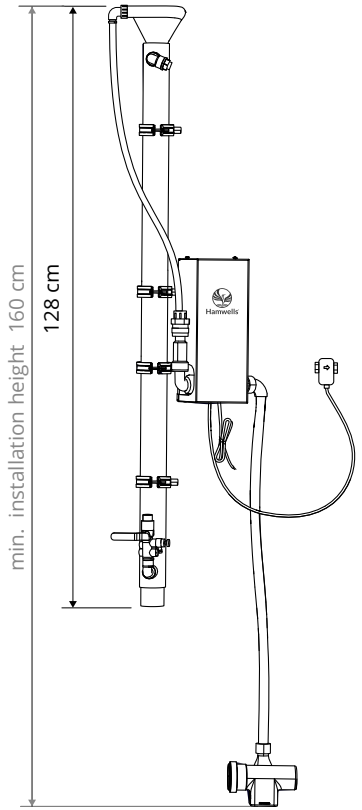
Specifications Blue

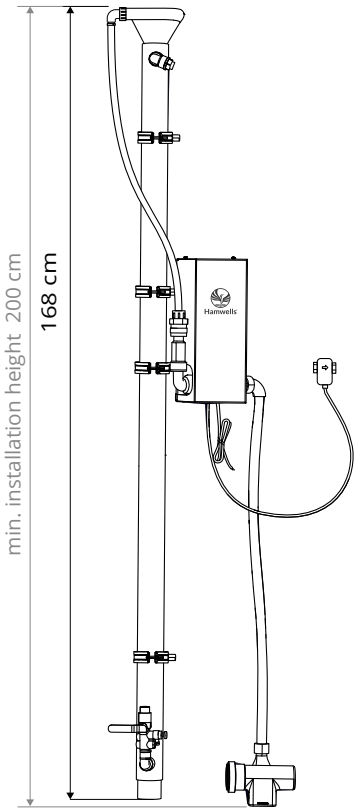
Power supply (mains): 100-240 VAC

Max. power consumption: 42W

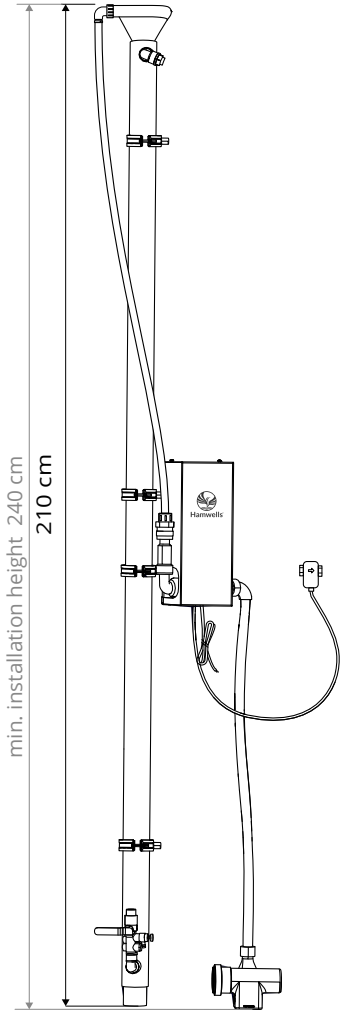
Please note, lenghts of each Blue differ, and therefore their efficiency and minimum required installation dimensions.



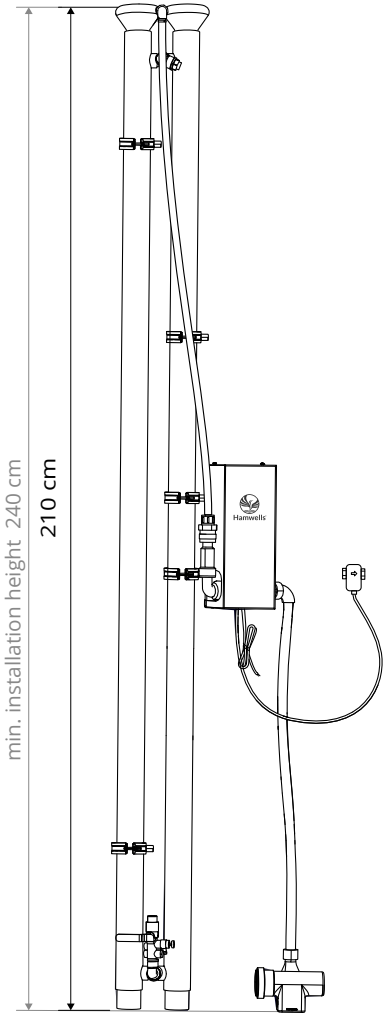
Blue 12



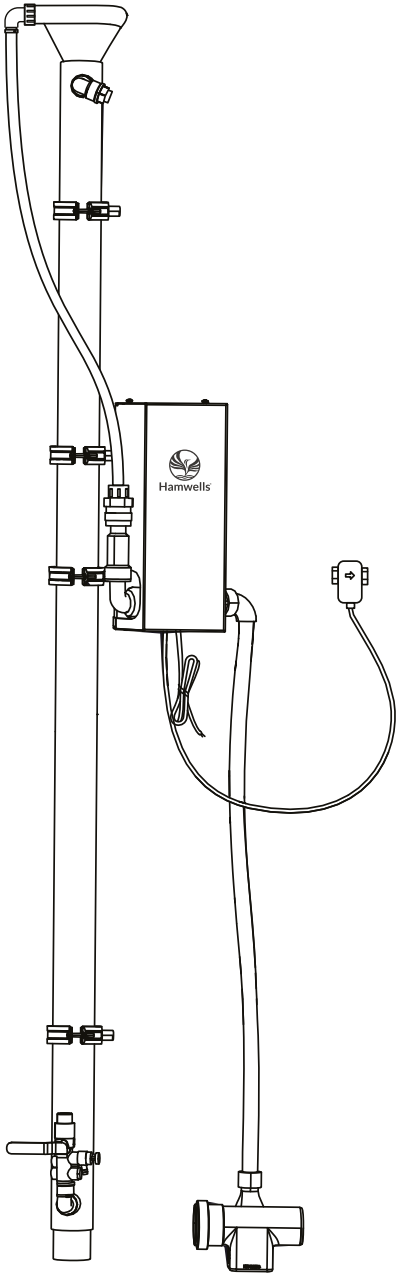
Blue 16

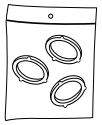


Blue 21



Blue HE

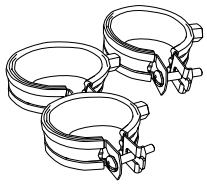




3x Packing rings
(only when hoses are not installed yet)

2x Mounting brackets

Blue HE



3x Mounting Brackets

Installation Blue

This manual explains how to install the Blue. Tools such as drills, screwdrivers and wrenches are not included.

The components of the Blue are fully assembled. Check whether the product is complete and free of damage. In case of damaged or missing parts, please contact your supplier.

The Blue may not be mounted in an electrical meter cupboard or an area where the temperature is normally higher than 25 °C. Also, the WWHR pipe(s), the water pipelines and the connections may not be insulated.

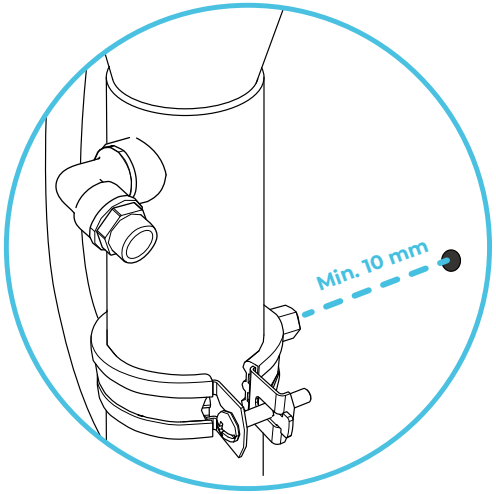
1. Check Parts Blue

- WWHR pipe(s) (12, 16, 21, HE)
- Blue Box incl. flow sensor and power cable
- Water Reservoir incl. hose to Blue box
- Hose from box to WWHR pipe
- Packing rings (3x)
- mounting brackets (2x)

2. Mount the Blue to the wall

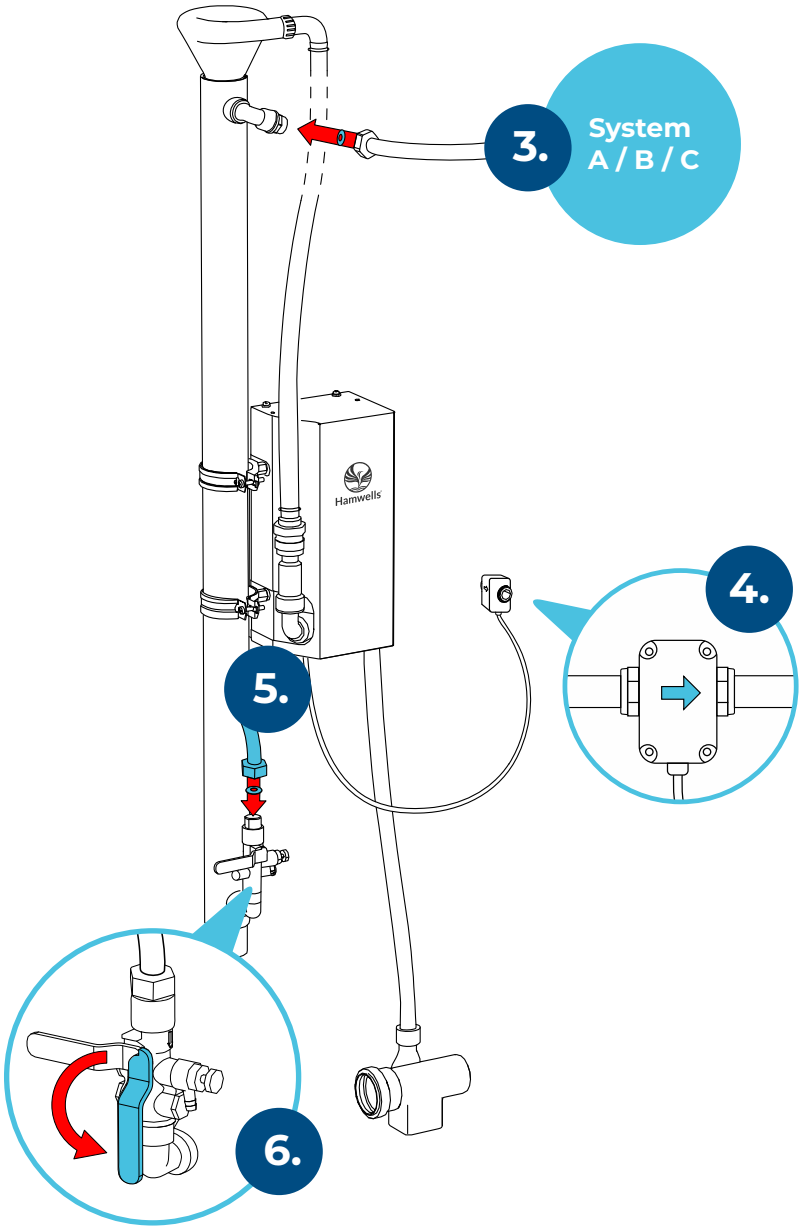
First install the mounts to your wall, make sure to distribute the mounts equally in relation to the WWHR pipe(s).

The nut-bolt connections for the mounts are not included due to variations in installation surfaces. Ensure a minimum distance of 10 mm between the wall and the mounts.



Now you can place the WWHR pipe(s).

Make sure the WWHR pipe is placed completely level (vertically).



3. Connect the WWHR outlet

Connect the WWHR in accordance with the desired system configuration, you can find these options here. The most common installation is to connect the WWHR outlet (1/2”) directly to the cold water inlet of the thermostatic mixing valve.

Ensure that a suitable sealing material, appropriate for the type of water pipes being used, is placed between the water pipe and WWHR outlet.

4. Connect the flow sensor

Connect the flow sensor to the hot water pipe which leads to the thermostatic mixing valve. Install the sensor using a 1/2” connection.

Ensure the sensor is placed in the direction of the water flow. See the arrow located on the housing of the flow sensor for guidance.

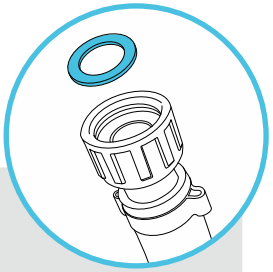
5. Connect the cold water supply

Connect your cold water to the EA valve (1/2”) of the WWHR pipe.

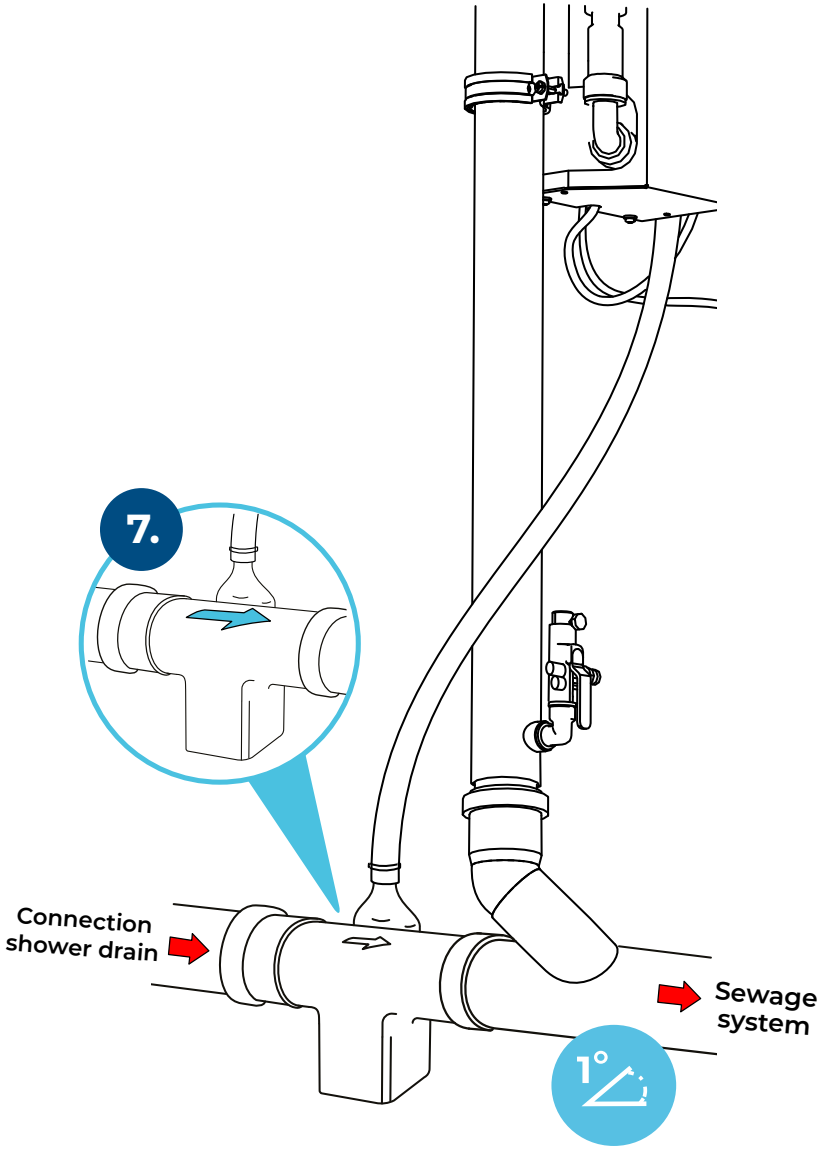
Ensure that a suitable sealing material, appropriate for the type of water pipes being used, is placed between the cold water pipe and EA valve.

6. Check connections

Check if all the connections are thightened and have suitable seal. Now you can open the EA valve and control if there are any leakkages.



First check if the transparent water hoses are connected. If not, place the supplied rubber packings and connect the hose.



7. Connect to sewage system

Install the reservoir to the shower drain using a 50mm connection. Next, you can connect the reservoir and the WWHR pipe(s) (50mm) to the sewage system. Test the setup with water to confirm that all drain parts are watertight.

Make sure the reservoir is placed in the direction of the water flow, see the arrow for guidance.

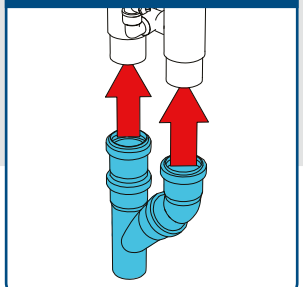
Ensure the water from the WWHR drainage does not enter the reservoir by maintaining a slope of at least 1 degree.

Avoid using glue connections for the reservoir, as its material is incompatible with glue. Instead, use a double socket.

We do not recommend pouring concrete around the sensor unit.

When installing the Blue HE, make sure to connect both WWHR outlets to the sewage system.

Blue HE



8. Connect to power supply

Connect the Blue to a 100-240 VAC power supply.

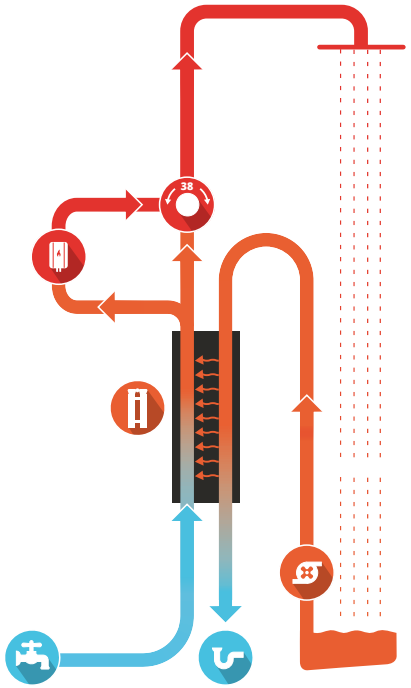
Maintenance

To keep the Blue in perfect condition, it is recommended to clean the shower on a regular basis. This includes removing hair from your shower drain to prevent the drainage and reservoir from clogging. Additional cleaning and maintenance intervals are described below.

We do not recommend to use aggressive cleaning agents such as thinner or acetone.

Action	How often
Check EA valve	Every year
Replacement EA valve	Every 10 years

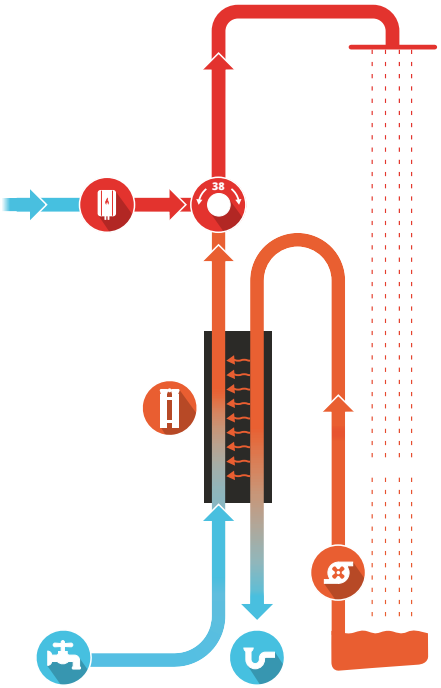
Systems (connection methods)



System A

most efficient connection method

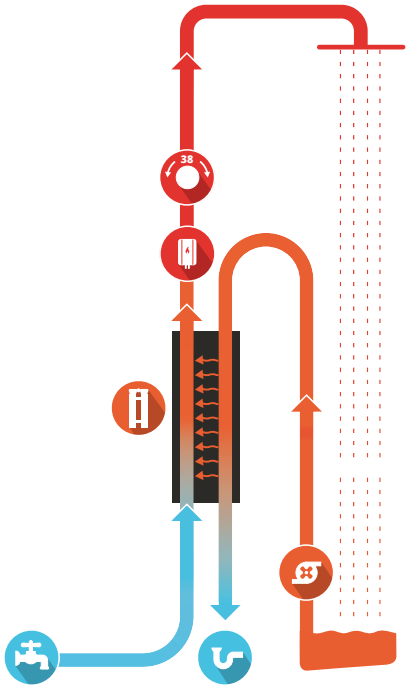
The heated tap water goes to the boiler and the shower thermostat.



System B

most commonly used connection method

The heated tap water goes to the shower thermostat tap.



System C

least efficient connection method

The heated tap water goes to the hot water installation only.