



Global WCS Roof water Regulator



User Manual & Instruction Manual – Global WCS Roof water Regulator

This manual contains essential information for the safe installation, use, and maintenance of the Roof Water Regulator. Please read the manual completely before using it.

Supported product:

Global WCS Roof Water Regulator

Scope of application:

(Rain) water buffering and regulation on flat or slightly sloping roofs, intended for use in built-up environments.

Supplier/Manufacturer:

Global WCS B.V.

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1. Introduction

Thank you for purchasing the **Global Water Control Systems Roof water Regulator**. This innovative system is designed to buffer temporary (rain) water on the roof, with the aim of preventing peak loads on the sewer, water buffering for green roofs, and so on, and promoting urban cooling and reuse of rainwater. This guide will help you install and use the system correctly and safely

2. Safety instructions

- Instal only in dry weather and stable working conditions.
- Always wear fall protection when working at height.
- The safe zone on a flat roof is at least 4 meters from the roof edge.
- Consult a professional if you are unsure about the installation or connection.

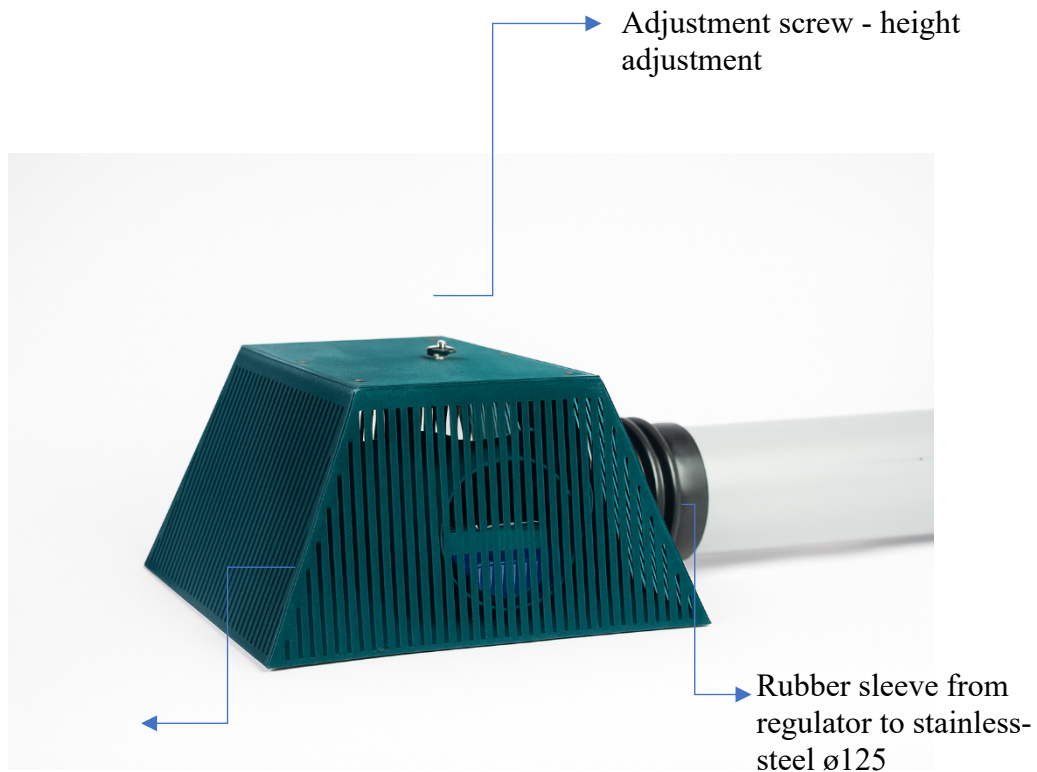
3. Parts overview

The Roof Water Regulator consists of:

1. Roof water Regulator
2. Adjustment screw height adjustment
3. Rubber sleeve from regulator to stainless-steel ø125
4. Silicone sleeve for rainwater drainage
5. Instruction Manual



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Roof water Regulator

4. Installation

Step 1: Preparation

- Check the roof for debris, blockages, and obstructions.
- Determine the location of the roof water regulator.
Note: with a sloping roof, the distance to the roof edge affects the water level to be held.
- Determine the required length of the stainless-steel pipe ø125.
This is the distance from rubber sleeve to the desired roof drain.

Step 2: Installation of the Roof water Regulator

- Clean the substrate/roof surface broom
- Place the Roof Water Regulator directly on the roofing material.
Make sure that the regulator is as flat as possible on the roofing.

Step 3: Connecting the rubber sleeve

- Slide the Rubber Sleeve over the stainless-steel pipe that leads to the existing roof drain. Use stainless-steel pipe diameter ø125mm.

Step 4: Connecting sleeve to the existing drain

- Slide the connection sleeve into the roof drain. Keep your finger on the ridge you can still see. Then cut/cut the socket 3 ridges towards the smaller diameter.
- Apply a sealant layer between the last 3 ridges, all around.
- Now insert the connection sleeve back into the roof drain. The ridges in combination with the sealant around it will provide a watertight seal.



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- The evenly rounded side of the sleeve is already perfectly fitting for the PVC pipe ø125 and can be pushed on like this.

5. Commissioning

- Use the "adjustment screw – height adjustment" to set the desired height of the water to be held. If the adjusting screw places the inner house entirely on the bottom of the roof water regulator, the water height is 5cm. This is the extra height beyond the height that is already created by the roof slope. Every centimetre that is turned up with the help of the adjustment screw means that the final water level to be held on the roof also rises by 1 centimetre.

6. Maintenance

- Inspect the system 2x a year, especially after autumn and spring.
 - Checking for leaks at the connection of the existing rainwater drainage
 - Remove blockages from the grid openings of the roof water regulator.

7. Troubleshooting

Problem	Solution
1. To much water remains on the roof.	1. Adjust the water level downwards or place the regulator closer to the drain if the roof is sloping. Clean the grid of the roof water regulator
2. Unexpected drainage	2. Check if the connection sleeves are leaking.

8. Contact & Service

For support or extra parts:

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