Commissioning of the flushing station

WLAN access to the flushing station

⇨ See detailed installation instructions : paragraph 5.1

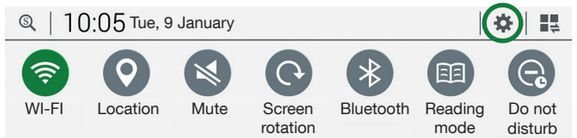
The settings required for a correct used are *not carried out at the flushing station* but via an external terminal, such as a **smartphone, tablet-PC** or **laptop** with **web browser**.

A **user interface** via which you may access the flushing station and carry out the configurations of all operating parameters is called up on the **display of your terminal** with the help of the web browser.

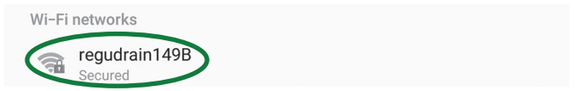
Access via Android® terminal:

As for Android operating systems it may become necessary to to deactivate "Mobile data" to access the flushing station via WLAN.

1. **Select the WLAN button.**
   –Radio operation is active now.



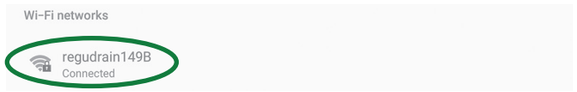
2. **Select the cogwheel symbol** – the flushing station(s) within the radio range will be listed.



3. **Select the flushing station** (e.g. regudrain149B) – a **password query** will follow.

4. **Enter the WLAN key** for the station and select **CONNECT** (observe upper and lower case!).

The **WLAN key** is indicated on the **type plate of the controller**!

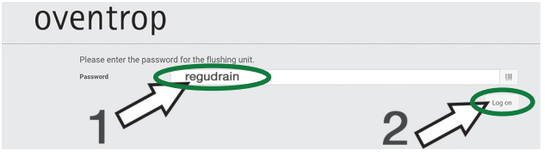


This short guide serves as an overview only.

5. Select a **browser icon** on the terminal. The browser is required to call up the **user interface** via which the flushing station is configured.

6. Enter the following **IP address** in the browser line:

7. Enter the password **regudrain** during the following **password query** and click on **REGISTER.**

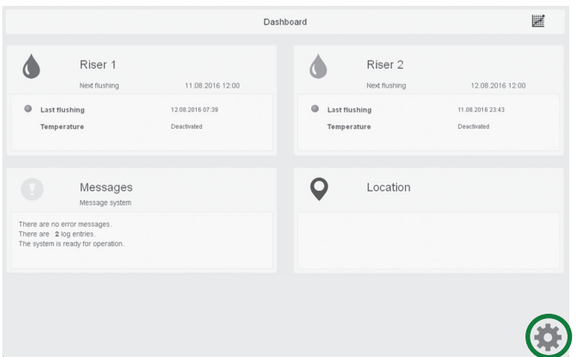


For safety reasons, this password should be replaced by a new one when accessing the flushing station for the first time.

⇨ See detailed installation instructions: paragraph 5.2.1

▶ The **user interface ("dashboard")** will be displayed now. On this level it provides, amongst others, information on:

- Last/next flushing process in the riser (S2 or S1)
- Message summary regarding operating states and errors
- Link to the **main menu SETTINGS** via cogwheel symbol



⇨ See detailed installation instructions: paragraph 5.4

Read the complete installation and operating instructions.

Functional flushing

A **functional flushing** should be carried out after commissioning (ball valve in the flushing riser open). The solenoid valve can be opened and closed via the user interface for this purpose.

>> SETTINGS >> MAINTENANCE
>> Riser 2 maintenance flushing (start/stop)

As for the model "Duo", functional flushing has to be carried out for both risers (1+2).

⇨ See detailed installation instructions: paragraph 5.4.9

Presetting for normal operation

The flushing station is **preset** so that a water quantity of **10 litres** is flushed every **72 hours** to effectively prevent germination of the potable water installation. This means that programming of flushing times is not necessary in exceptional cases.

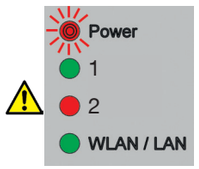
Depending on the configuration of the potable water installation, the preset flushing quantity of 10 litres might be **insufficient**. We recommend a volume of water to be flushed of at least 1.5 times the pipe volume. Should a quantity of 10 litres not be enough, the preset (interval) **flushing volume** should be **increased**.

⇨ See detailed installation instructions: paragraphs 5.4.4, 5.4.7

Information for the user

The user has to be informed by the qualified tradesman as to the safe and correct use of the flushing station.

The user has to check the **4 LEDs on the controller casing** at least every four weeks. If the **LED** of the respective **riser glows red** and the **power LED flashes**, this indicates an error during flushing. In this case the specialist company has to be contacted by return for fault elimination. This also applies if no LED glows.



⇨ See detailed installation instructions: paragraphs 6.1, 6.3

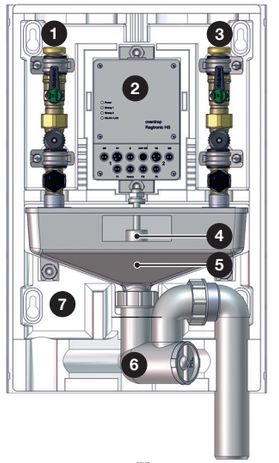
EN Short guide

for the specialised installer

OVENTROP GmbH & Co. KG
Paul-Oventrop-Straße 1
D-59939 Olsberg, Germany

Doc. 42070058 3 01/2018
Subject to technical modifications.

The flushing station "Regudrain" serves the scheduled, automatic flushing of potable water from cold and hot water pipes and to avoid stagnation and germination in the potable water system.

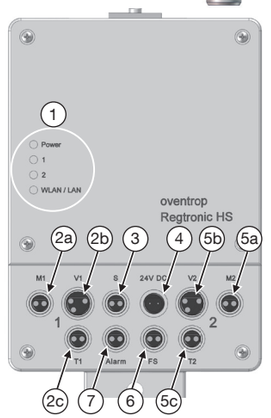


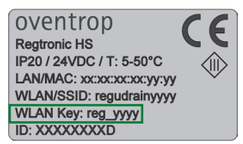
***Configuration flushing station** "Regudrain"*

1 Flushing riser 1 (only "Duo")
2 Electronic controller
3 Flushing riser 2
4 Float switch
5 Free outlet according to EN 1717
6 Siphon
7 Insulation made of expanded polypropylene (rear insulation shell

***Electronic controller** "Regtronic HS"*

1 LED with operating displays
2a Connection solenoid valve (M1)
2b Connection flow sensor (V1)
2c Connection temperature sensor (T1)
3 Connection float switch(S)
4 Mains connection 24 V DC
5a Connection solenoid valve (M2)
5b Connection flow sensor (V2)
5c Connection temperature sensor(T2)
6 Connection humidity sensor (FS)
7 Alarm output 24 V / volt free

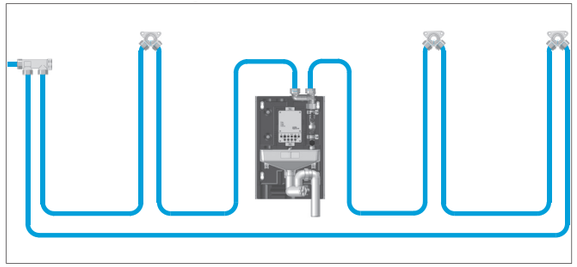




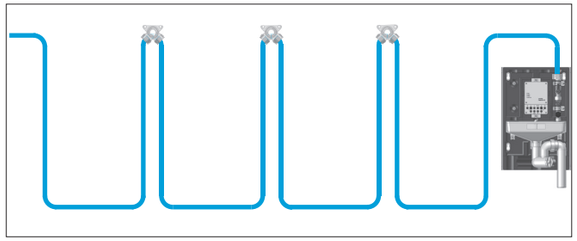
This short guide only serves as an overview.

Installation

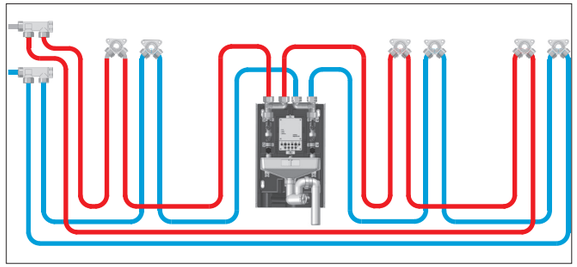
Installation examples



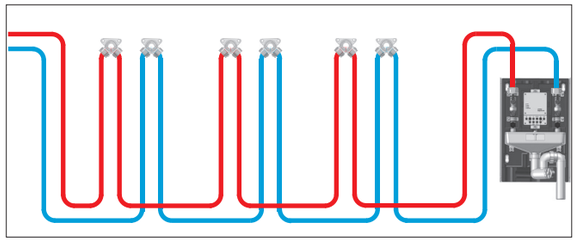
“Regudrain Uno” (1 riser) in a **ring circuit**



“Regudrain Uno” (1 riser) in a **radial circuit**



“Regudrain Duo” (2 risers) in a **ring circuit**



“Regudrain Duo” (2 risers) in a **radial circuit**

Read the complete installation and operating instructions.

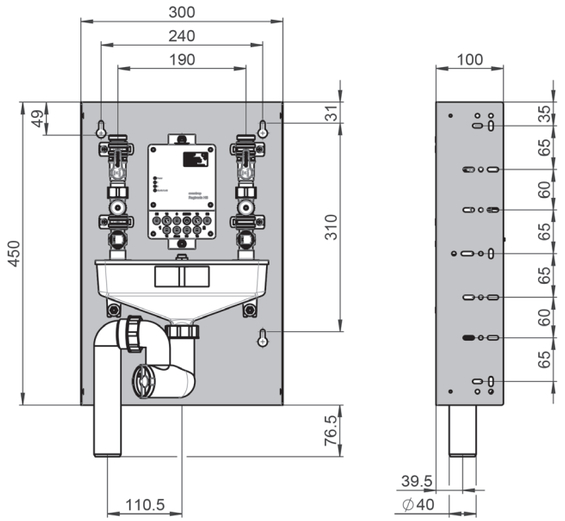
WARNING

Risk of scalding due to an uncontrolled escape of hot water!

When working on a potable water installation **during operation,** there is a risk of scalding due to pressurised hot water.

- Before starting work, make sure that the system is **depressurised and has cooled down to ambient temperature.**
- Before starting installation, closed all supply pipes.

Dimensions of the “Regudrain” flushing station



Leakage test

Once pipe installation and connection are complete, **check** the potable water installation **for leaks.**

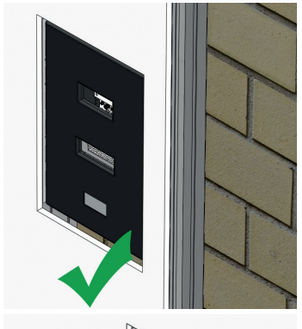
The drainage pipes should also be checked for leaks **after the functional flushing** (see page 8 of this short guide) .

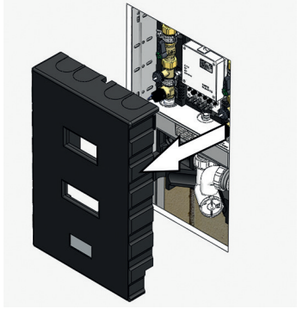
Note regarding flush-mounted installation

The flushing station “Regudrain” offers **two basic mounting options**:

- **Wall attachment (surface-mounted)** with optional surface-mounted cover (accessory, item no. 4207091)
- **Flush-mounted installation** with optional tiling ready frame (accessory, item no. 4207090)

In case of flush-mounted installation, please make sure that the front insulation shells can still be removed. The station must always be accessible for maintenance or repair!





Connection of the flushing station to the power supply

WARNING

Danger to life due to electric shock!

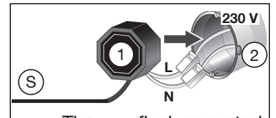
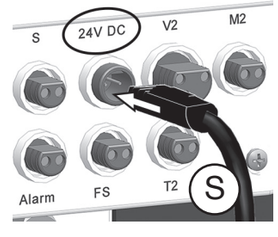
The flush mounted power pack has to be connected to the power supply of the building.

- Electrical connection must only be carried out by a **qualified electrician**.
- The following 5 safety regulations must be observed:
  - **Disconnect**
  - Protect against accidental restart
  - **Check that no voltage is present**
  - Earth and short-circuit
  - Cover adjacent live parts.

Power supply of the flushing station is carried out via a **flush-mounted power pack (1) which is connected to the 230 V connection of the building**. A **flush socket (2)** can be used for this purpose.

1. Switch off the power supply.
2. Carry out cabling between the **primary cables L, N** and the **230 V connection of the building**.
3. Mount **the flush-mounted power pack (1)** into the **flush socket (2)**.
4. Screw a cover onto the flush socket.
5. Connect the **plug of the secondary cable (S)** to the **24 V socket at the controller**.
6. Switch on the power supply.

▶ The station is connected to the power supply and the top LED (Power) at the controller casing glows green. Commissioning is carried out next.



The flush-mounted power pack has to be installed so that the **primary cables (L, N)** and the **secondary cable (S) do not touch each other.** If necessary, these cables are to be fixed, for instance with a cable retainer in order to guarantee the physical separation.