smart vatten®

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VERTOLUMI OPERATING INSTRUCTIONS FOR USERS

2026

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1 OPERATING INSTRUCTIONS

1.1 About the unit display (display is optional)

The Verto unit display has icons for hot and cold water to help you monitor water consumption.

	Hot
	Cold
	Change view
	Function button
	Device connection status
	Number of views

The unit display can be placed conveniently using the wall mount that is included in the delivery.

The unit displays EVN-RB and EVN-RC are attached to the wall mount with hooks, making it easy to detach and reattach them as necessary.

Figure 1: Installing the unit display to the wall mount

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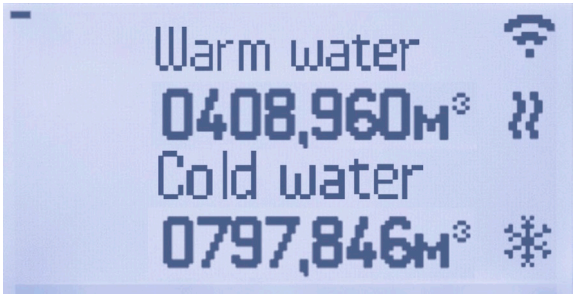
Unit display EVN-RB

Unit display EVN-RC

Notification messages for users can be sent to the unit display. The messages are shown for five seconds after switch-on, until the sender deletes the message.

1.2 Checking the overall water consumption

1. Turn on the unit display by pushing the > or ○ button.
2. Check your overall consumption of hot and cold water on the unit display.



1.3 Checking the weekly water consumption

Touch the > button twice to see the water consumption for the past seven days.

The bar on the far right shows the water consumption of the current day. The numbers on the right also show the consumption of hot and cold water, as well as the overall consumption for the current day.

The bars in the view have two sections, solid blue for cold water and a grid for hot water. The letters under each bar show the day of the week. The day starts at 0:00 local time.

The bars scale automatically based on the highest consumption on the weekly view.

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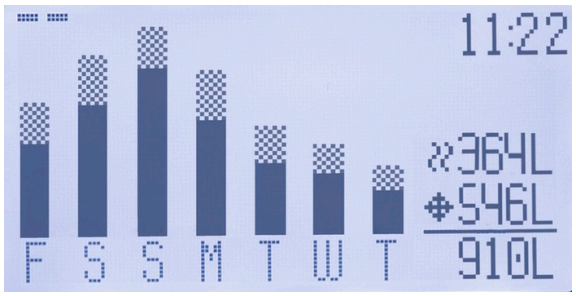

1.4 Checking the water consumption for a given time period

With Trip views, you can monitor your water consumption for a given time period.

1. In the Trip view, start a trip by pressing and holding the button for a few seconds until a text is shown.

   Measurement starts automatically and the text disappears.
2. When the trip measurement starts, the ‘Start’ text on the display changes to ‘Stop’. The clock starts.
   - The clock shows the total time measured. The clock automatically scales to hours and days.
   - The timer shows the total duration of how long water has been used during the measurement. The duration of water usage is initially shown in minutes, later in hours and days.
   - The large numbers show the total water consumption for the measured period. The small numbers below show the consumption of hot and cold water separately.
3. Stop the trip by pressing and holding the button for a few seconds until a text is shown.

   The measurement stops automatically and the text disappears. The data is stored until the start of the next measurement.

1.5 Checking the time, humidity and temperature

Use the button to go to the time, humidity and temperature view.

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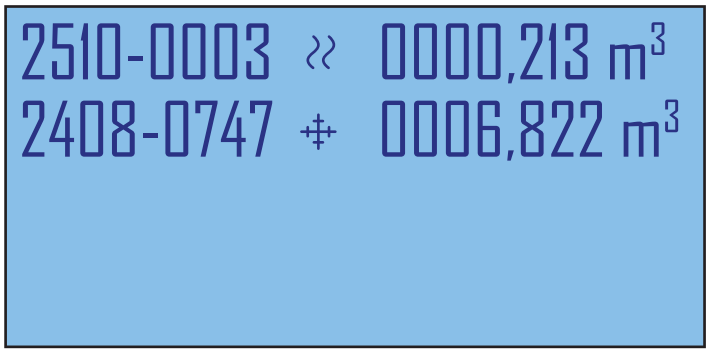
Note!

After the batteries are replaced, it will take a moment until the temperature is updated.

1.6 Checking the serial number and water consumption of the current meters

In the overall water consumption view, push the ○ button for 10 seconds.



Note!

The overall water consumption reading consists of the combined water consumption of the current meter and any meters that have been replaced.

1.7 Additional information view

In the Additional information view, go to settings by pressing the ○ button.

The view shows the following additional information:

- Status of the unit display batteries. The display operates on batteries. To change the batteries, open the back cover of the display.

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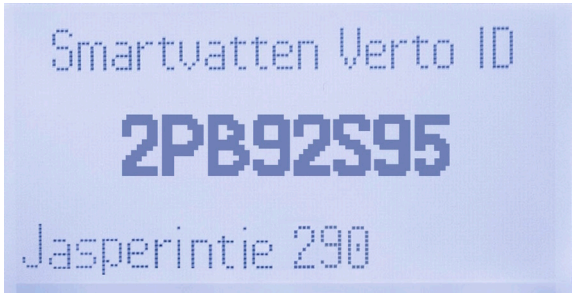
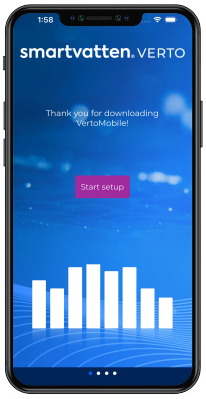
- When the unit display is connected to the meter unit, it is shown by the symbol.
- Status of the connection between the unit display and water meters.
  - The view has 1-2 symbols depending on the number of water meters in the space.
  - The signal strength is shown with one of these symbols .
  - No connection .

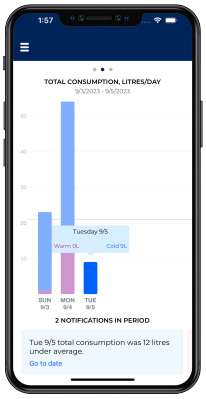
1.8 Using Smartvatten Mobile

The Smartvatten Mobile view shows your PIN code, which is used to log into the Smartvatten Mobile app.



Smartvatten Mobile is an app that works with the unit display. You can use the app on your smartphone to monitor the water consumption. You can download Smartvatten Mobile and monitor water consumption data on as many smartphones as you like. The app is available for Android devices on the Google Play store and for Apple devices on the App Store. The app is free.





1. Download Smartvatten Mobile from your app store.
2. Log into the app using the PIN code shown on the unit display. You can find the code under Settings in the Additional Information view of the unit display.
3. Once you have configured the number of users in the space and the water price data on Smartvatten Mobile, you will see your consumption also in euros.

   The water price data is available from your rental housing company, or the board or building manager of your housing company.

Note!

If your mobile device changes, water consumption data will be available on the new device after you log in to the Smartvatten Mobile app again.

1.9 Setting the language

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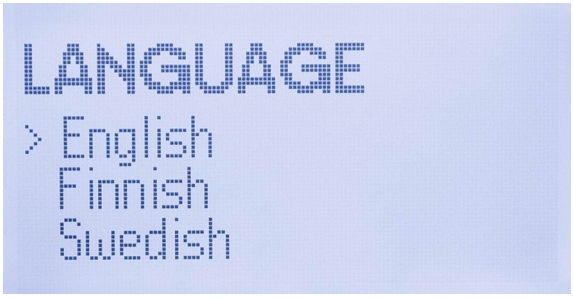
1. In the Language view, select the language you want to use with the ○ button.
2. Confirm the selection by pressing the > button.



1.10 Using the meter

The V-15UD meter has a button next to the display. To turn on the display, shortly push the button. The display stays on for 10 seconds. The display shows the water consumption in cubic meters (1 litre is 0,001m^3).

If the water flows in the wrong direction through the meter, meaning that there is backflow, the arrow on the display points to the opposite direction then when the water flows to the normal direction. Backflow does not increase the amount shown on the display.

The meter shows errors with E symbols (E1...E5):

- Error 1: general error about the meter's processes
- Error 2: not used
- Error 3: meter has been reset
- Error 4: checking the software of the meter has failed, a fatal error
- Error 5: checking the operating system of the meter has failed, a fatal error

There can be multiple errors in the meter simultaneously, the latest of which is shown on the display.

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