

SYDROS

USER MANUAL

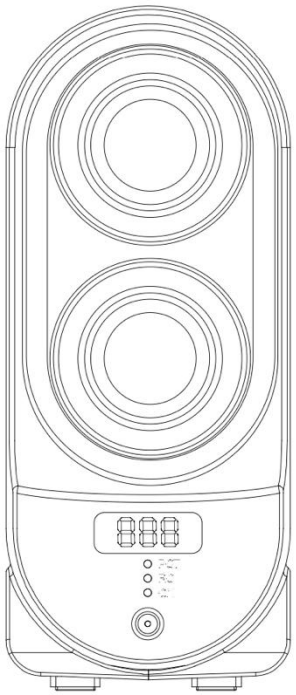
SYDROS RO VITA WATER FILTER

Designed and developed in Germany

Introduction

Thank you for choosing the **SYDROS RO VITA 5-stage water filter**. This manual provides all the important information about the **installation**, **operation** and **maintenance** of the filtration system to ensure consistently high water quality over the long term. Please read the instructions carefully and keep them for future reference.

1. Product Description



The **SYDROS RO VITA** is a compact, tankless reverse osmosis water filter that reliably delivers clean and safe drinking water.

Key features:

1. **Ultra-compact design** with state-of-the-art RO technology – ideal for limited space.
2. **Touch display with LED ring** for intuitive operation, status display and filter monitoring.
3. **360° swivel faucet** with magnetic retraction for maximum ease of use.
4. **5-stage filtration system**: PP pre-filter, activated carbon, CTO filter, RO membrane, post-filter.
5. **Automatic flushing and real-time TDS display** for optimal water quality.
6. **Filter change reminder** directly on the display.
7. Suitable for households, kitchens and small offices where design and functionality are important.

2. Functional description – system behavior and operation

a. Startup process

- When switched on, **a beep sounds**.
- The **on/off button** and all status indicators are white.
- The system automatically starts a 30-second flushing cycle.
- After the flush is complete, the system switches to **standby mode** and is ready for operation.
- The flush can be canceled at any time by pressing the **on/off button**.

b. High-pressure safety

- If the maximum pressure limit **is reached while dispensing water**:
  - The system shuts off.
  - The RO membrane is **rinsed for 3 seconds**.
  - As soon as the pressure drops, the switch closes and the device restarts.
  - The working indicator lights up while the **white light flashes**.

3. Operating Time – Timer and Automatic Pause

- After **30 minutes of continuous water production,** the system automatically switches **to pause mode** for 30 seconds.
- After **60 minutes of continuous operation**, an alarm sounds (5 beeps per hour).
- The error code "E2" **appears on the display**, which signals that the maximum working time has been exceeded.
- In this case, the system must **be manually stopped and restarted**.
- Even with repeated use: After every **30 minutes of cumulative running time**, a 30-second break **automatically occurs**, even if purified water has been **dispensed intermittently** during this period.

4. Management of filter lifetime and usage time limits

Filter change reminder *(based on cumulative uptime):*

- After approx. 7,920 hours (≈11 months):
  - PCT light flashes white,
  - The buzzer sounds three times per hour..
- After approx. 8,760 hours (≈12 months):
  - Device stops,
  - PCT light glows red.
- After approx. 16,560 hours (≈23 months):
  - RO light glows red,
  - white light stays on,
  - Buzzer sounds.
- At 17,520 hours (≈24 months):
  - RO-Light shines rotten,
  - Device stops completely.

Uptime	Status	Action
≈ 7.920 h. (11 Mon.)	⭕ PCT flashing ⚪	🔔 3 beeps per hour
≈ 8.760 h. (12 Mon.)	🔴 PCT indicator solid red	Device stops → Replace the PCT filter.
≈16.560 h. (23 Mon.)	🔴 RO Solid Red + ⚪ Steady Light	Buzzer sounds → RO filter replacement required
≈17.520 h. (24 Mon.)	🔴 The RO indicator lights up red	Device stops → Replace the RO filter immediately

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5. Procedure for manually resetting the filter

When to reset?

- If the **PCT** or **RO indicator light** flashes **white or** red.

To perform the reset:

1. Press and hold the **power** button for 6 seconds to select the filter.
2. Next, press the same button for another **5 seconds** to complete the reset.
3. **If both indicators are flashing at the same time**
   - Reset the filters one by one:
     - **Press and hold the Power button for 6 seconds, then press and hold it for 5 seconds.**

6. Additional functional features

Standby mode (power saving mode)

- No water production, flushing or filtering activity.
- The water drop icon will remain white.

Digital Display

- Displays the **TDS value of the filtered water** in real time.

Automatic rinsing

- Takes place **every** 24 hours.
- The reminder indicator flashes for 30 seconds.

Leakage protection

- If water is detected inside the unit:
    - Stops the system.
    - The error indicator lights up.
    - Error code "**E1**" appears on the display.
    - The TDS value is hidden.

7. Operation of the electronic faucet

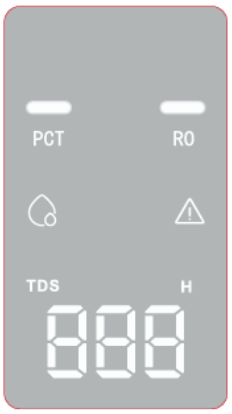
Faucet light indicators:

- **Normal operation:**
    - Dashboard symbol lights up white.
    - The PCT/RO indicators illuminate.
    - QR code area lights up white.

- **Error condition:**
    - QR code area lights up red.
    - Continuous alarm sound when the TDS value is too high or the filter has expired.

- **Digital Display:**
    - Shows the current TDS value in real time, synchronized with the main unit.

8. Technical data



Parameter	Value
Model	SYDROS RO VITA
Filtration Accuracy	0.0001 µm
Pure water flow	2.6 L/min
Input voltage	100–240 V AC
Operating pressure	1–4 bar
Dimensions	419 × 158 × 381 mm
Water source	tap water

9. Installation and Use

⚠️ **Important note**

- Before installation, make sure you have all the necessary tools and accessories ready.
- Do not connect the appliance to the **power supply or water supply** until it is fully installed.

Step 1: Position the water filter

- The system is connected to the **cold water pipe (municipal tap water**).
- Place the filter unit in the intended position (e.g. **under the sink** or **on the work surface**).

Step 2: Selecting the Faucet Location

- Choose a suitable position on the sink, usually in a corner (left or right).
- Take into account your usage habits:
  - Washing vegetables
  - Washing dishes
  - General kitchen work
- Pay attention to **comfort and efficiency** in placement.

Step 3: Installation of the faucet

Connecting of PE pipe:

- Take the supplied **PE pipe**.
- Connect it directly to the **quick coupler**.
- Attach it securely to the faucet.

Secure connection:

- Insert one end of the PE pipe firmly into the quick connector until it clicks into place.

Faucet power connection:

- Plug the faucet power cord into the designated faucet power port on the main unit.

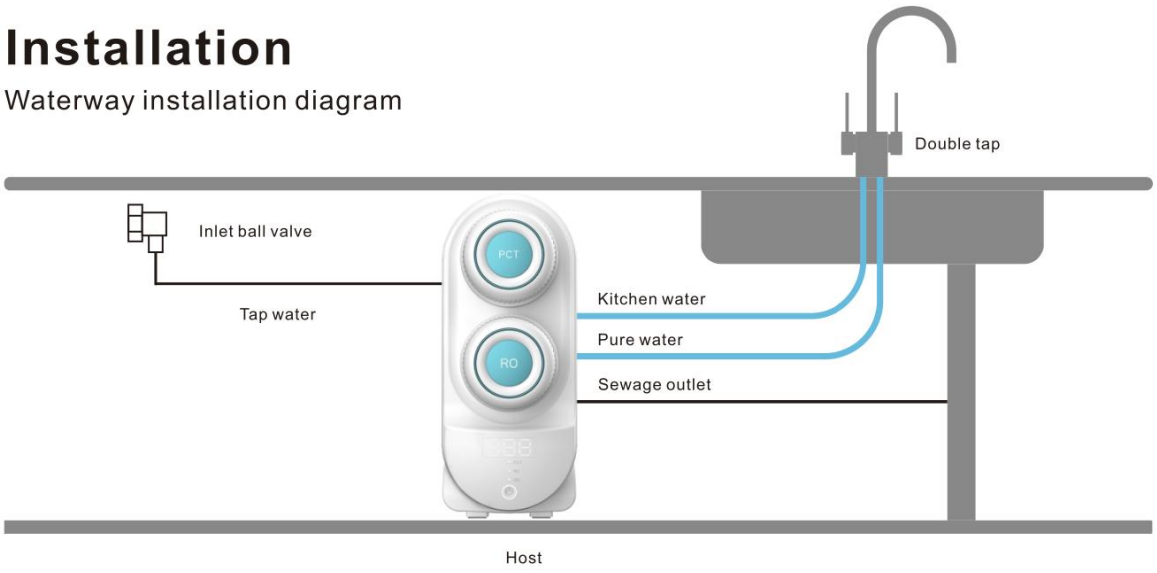
Installation overview for under-sink installation

The system includes connections for:

- **Tap water inlet**: Connect via inlet ball valve.
- **Pure water outlet**: connection to the tap (for drinking and cooking water).
- **Wastewater outlet**: Discharge directly into the drain.
- **Kitchen water outlet**: For regular household use.
- **Dual-outlet faucet**: Allows the separation of filtered and unfiltered water.

Note:

Please refer to the installation diagram for correct pipe routing and placement of components **under the sink**.



⚠ Warning:

*Improper use or incorrect installation can lead to **water damage** and **reduced filtration performance** .*

Step 4: Final installation check

System test and activation:

- Make sure that all hoses are connected correctly.
- Open the **inlet ball valve** to allow the water to flow.
- Plug in the **power adapter** and turn on the device.
- Perform a full **system inspection** to verify all connections and setup.

Checking the water output ratio:

- During the first test run, observe the water output.
- The typical ratio of **pure water to wastewater is about 2:1** (depending on water pressure and water quality).

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10. ⚠️ Important notes before first use

Automatic rinsing

- When used for the first time, the device automatically performs a **1-minute flush**.

1. Preparation of filter cartridges

- The unit comes with new **PCT** and **RO filter cartridges**.
- Before first use:

1. Open the **cartridge cover** (a loose fit is normal for new devices).
2. Remove the filter cartridges.
3. Insert the cartridges back into the main unit.
4. Lock the cover with the **wrench** to ensure a tight seal.

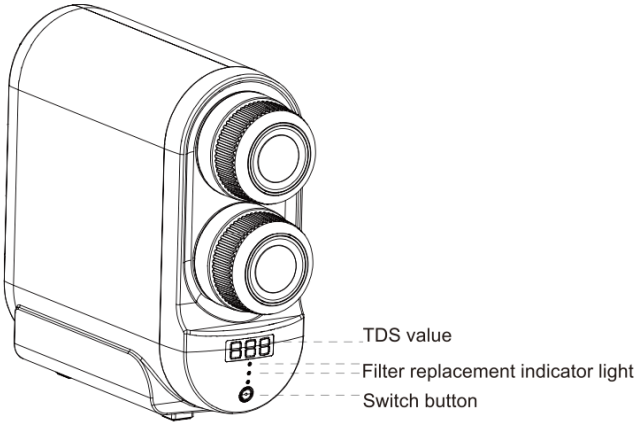
2. **Initial system activation**

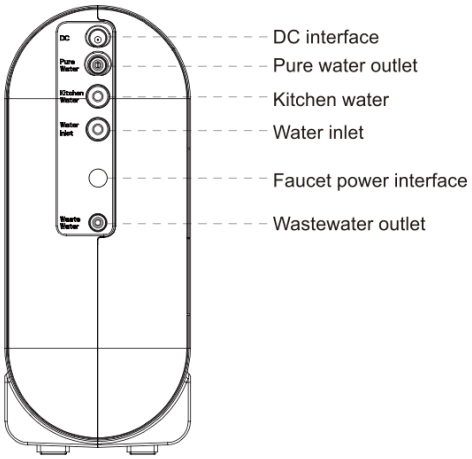
- As soon as the power indicator lights up:
  - Press the **power button** for 5 seconds. Repeat if necessary.
  - This starts a **10-minute automatic flushing cycle**.
  - Cloudy water or black particles during rinsing are normal and do not indicate a malfunction.

3. Post-rinsing inspection

- After flushing is complete
  - Check the unit carefully for internal leaks.
  - Open the pure water tap.
  - If carbon residue is visible, let the water run for approx. **3 minutes** to flush it out.

- After that, the device is ready for **regular operation**.





11. Filter Replacement Instructions

1. Turn off the water supply:

- Close the inlet ball valve **on** the three-way valve.
- Open the faucet to drain the residual water in the system.

2. Disconnect the power supply:

- Unplug the power cord from the main unit.

3. Remove the old filter

- Turn the PCT filter counterclockwise and pull it out.
- Insert a new filter.
- Repeat the process for the RO filter.

4. Prepare the system

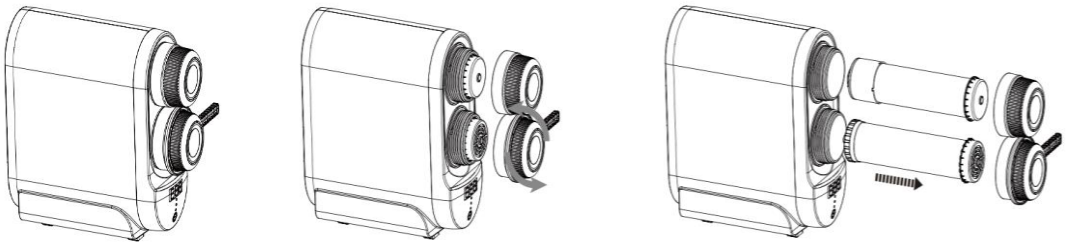
- Reconnect the power cord.
- Open the inlet ball valve.
- Press and hold the power button to start the flushing process.

5. Perform flushing

- Open the pure water tap and let the water run for 3 minutes.

6. Leak Test and Completion

- Check the device for water leaks.
- If all connections are secure and leak-free, the system is ready for use.



12. Scope of Delivery

- SYDROS RO VITA Reverse Osmosis Water Filter
- PCT filter cartridge, pre-installed
- RO membrane filter, pre-installed
- Electronic SYDROS faucet
- PE hose for pure water connection
- PE hose for sewage connection
- Connection set for the cold water inlet
- Inlet Ball Valve / Three-Way Valve
- Waste water connection for the siphon or drain
- Power supply with connection cable
- Fastening and connection material
- User Manual

13. Warranty

Sydros Water GmbH provides a voluntary two-year manufacturer's warranty of 2 years from the date of purchase for the SYDROS product described in this user manual.

The warranty covers **defects in materials and workmanship** that occur when the product is used as intended.

The warranty does not cover, in particular, damage caused by:

- improper use or use other than intended incorrect installation or assembly,
- unauthorized modifications or repairs,
- operation outside the specified technical specifications,
- external influences or improper storage,
- normal wear and tear as well as consumables and wear parts, provided that there is no material or manufacturing defect.

The consumer's statutory rights in the event of defects exist independently of this warranty. Exercising these statutory rights is free of charge and is not limited by this warranty.

Guarantor:

Sydros Water GmbH

Kirrlacher Straße 6

76646 Bruchsal

Germany

Making a Warranty Claim:

To verify a warranty claim, please contact us and provide the product name, date of purchase, a description of the defect and, if available, proof of purchase:

Email: info@sydros.de

Phone: +49 1590 613 2674

The geographical scope of the warranty depends on the country in which the product was first sold to the consumer by Sydros Water GmbH or an authorized sales partner.

14. Disposal

The product, its components and packaging must be disposed of in accordance with the applicable legal and local disposal and recycling regulations.

Packaging:
Packaging materials must be separated by type of material and sent to the designated collection and recycling systems.

Filters, cartridges and other consumables:
Used filter media, filter cartridges and other replaceable components must be disposed of in accordance with local disposal regulations. In the event of possible contamination by special substances, different disposal requirements may apply.

Electrical and electronic products:
If the product or individual components are electrical or electronic equipment, they must not be disposed of with unsorted household waste. They must be taken to designated return or collection points.

Please also note the applicable national and municipal disposal regulations.

15. Compliance and product safety

The SYDROS product described in this user manual has been designed and manufactured in accordance with the applicable European and national requirements for product safety, health and environmental protection applicable at the time of placing on the market.

Where applicable, the requirements of **Regulation (EU) 2023/988 on general product safety** have been taken into account.

Depending on the design, function and equipment of the respective product, additional European and national legislation as well as technical standards may apply. These may include, in particular, regulations on electrical and electronic equipment, electromagnetic compatibility, electrical safety, substance restrictions, waste electrical and electronic equipment, and products and materials that come into contact with drinking water.

The legal acts, technical standards and conformity assessment procedures that are actually applicable to the respective product are determined on a product-specific basis and documented in the associated technical documentation.

CE marking:
CE marking is applied only to products for which it is required by the relevant European harmonization legislation. By affixing the CE marking, the manufacturer declares that the product in question meets the requirements of the relevant EU legislation applicable to this product.

A product-specific EU declaration of conformity is prepared and provided in accordance with the regulations applicable to the respective product, where required by law.

Manufacturer

Sydros Water GmbH
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Thank you for choosing SYDROS.

For safe and reliable operation, please refer to the technical data, safety instructions and installation and maintenance specifications of the respective product.

Looking for more information?

Scan the QR code to visit our FAQ page and discover everything you need to know.

Don't forget to follow us on Instagram to stay up to date and support SYDROS as we continue to grow every day.

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