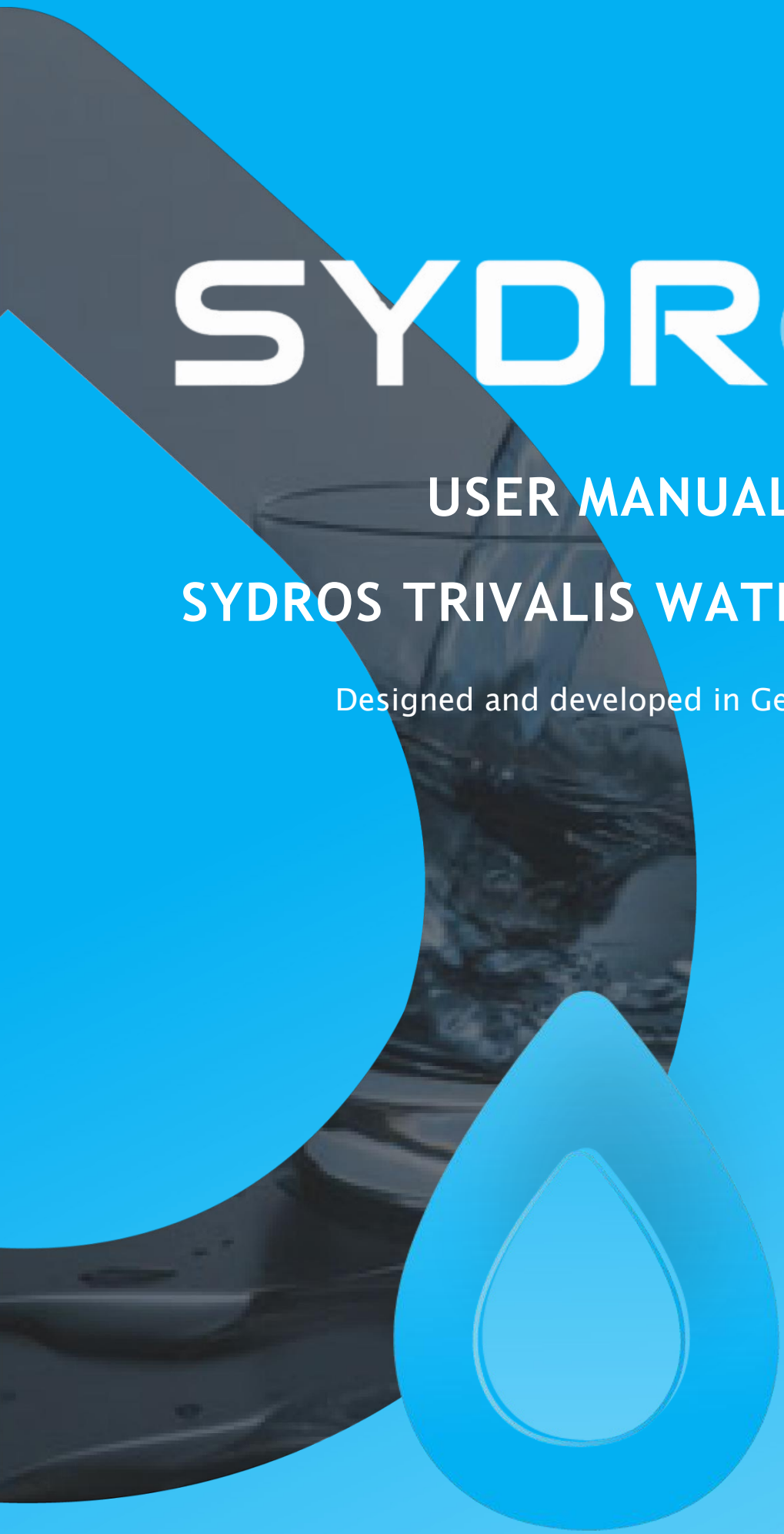


USER MANUAL

SYDROS TRIVALIS WATER FILTER

Designed and developed in Germany

1. Introduction

Tap water can contain various contaminants, depending on the utility network and building installation, which affect both water quality and the function of fittings and appliances. During transport through pipelines, particles such as sediment, rust and suspended solids can enter the water and affect its clarity.

In addition, disinfectants such as chlorine are used in public water treatment, which can change the taste and smell of the water. For this reason, many households opt for a supplementary filtration system to optimize the water quality for daily use – especially for drinking and cooking purposes.



+49 1590 613 2674
info@sydros.de

1. Product Overview

The SYDROS Trivalis water filter system consists of three coordinated filter stages. These ensure the removal of particles and the improvement of the taste and smell of the drinking water.The water passes through the filter media sequentially, which achieves an effective reduction of undesirable substances.

Filtration stages

Stage 1 – PP sediment filter

Removed:

- Sand
- Rust particles
- Suspended solids
- Sediment

This pre-filtration protects the downstream filter stages from clogging and extends their service life.

Stage 2 – C/T33

Reduced:

1. Free Chlorine
2. Volatile Organic Compounds (VOCs)
3. Foreign tastes and smells
4. Residues that affect the taste

The C/T33 inline post-filter uses activated carbon for post-cleaning and improves water quality through adsorption of remaining trace substances.

Stage 3 – CTO activated carbon filter (fine polishing)

Reduced price:

- Chlorine
- Organic compounds (e.g. VOCs)
- Unpleasant taste and odors

The activated carbon acts via adsorption and binds dissolved chemical substances on its surface.

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1. Technical Specifications

Parameter	Specification
Filtration stages	3
Filter Configuration	PP + C/T33 + CTO
Installation Type	Under-sink
Operating pressure	1 – 4 bar
Maximum pressure	6 bar
Flow	2-7 L/min
Water temperature	5 – 38 °C
Water source	tap water
Power requirements	None (passive system)

Operating conditions

For safe and efficient operation, the following conditions must be met:

- The operating pressure must be permanently in the specified range (0.1 – 0.4 MPa)
- Connection exclusively to the **cold water pipe**
- Protection against frost (risk of material damage and leakage)
- Installation in a **dry, well-ventilated environment**

Package contents

The system package contains the following components for installation and commissioning:

- Water filter
- Pipe connectors (connection fittings)
- Teflon Tape
- Mounting screws
- User Manual









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1. Installation Guide

The following diagram shows a typical installation of the filtration system between the cold water connection and the tap.

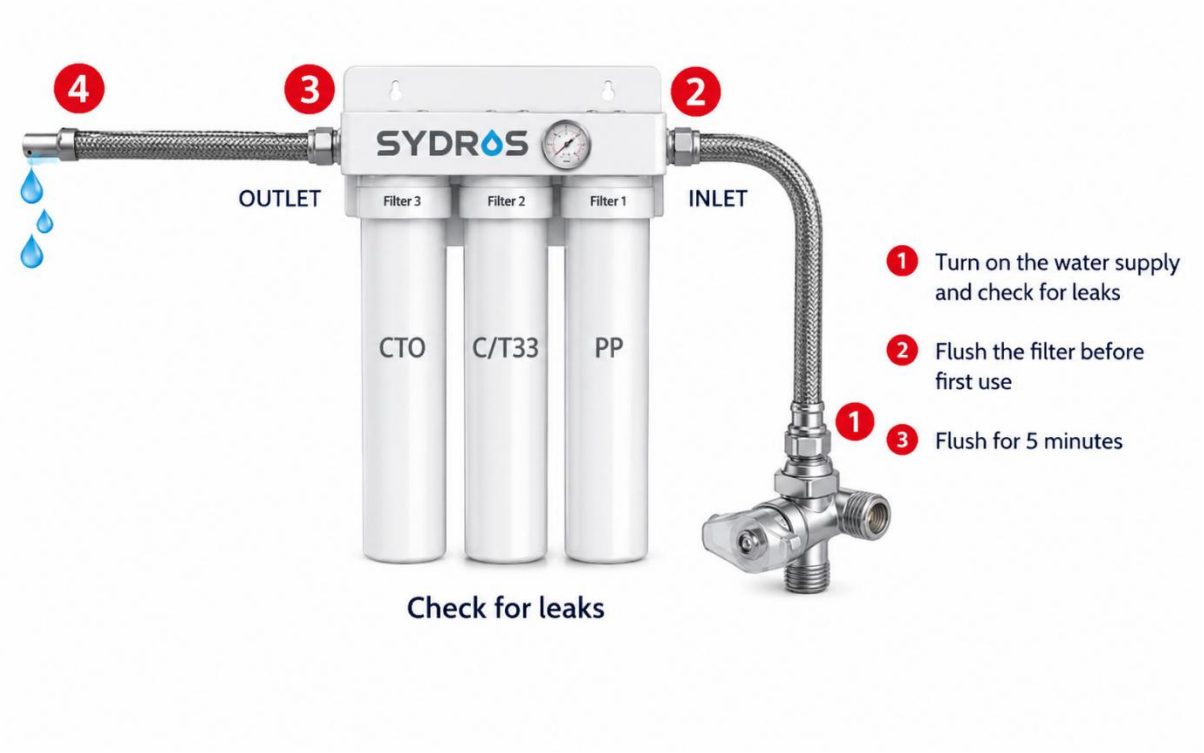
Step 1 – Connect the filtration system to the hoses

- Connect the **inlet hose** to the water inlet of the filtration system.
- Make sure that the hose is fully inserted and securely connected.



Step 2 – Connection to the water supply (cold water only)

- Close the cold water supply at the angle valve
- Disconnect the existing faucet hose from the angle valve
- Connect the filter system inlet hose to the cold water valve
- Connect the outlet hose of the filter to the tap hose
- Reopen the cold water supply



Step 3 – Leak test and initial rinsing

After installation:

1. Open the water supply **slowly**
2. Carefully inspect all hose connections and fittings for leaks
3. Open the tap and let the water **run** for at least 5 minutes

The initial rinse removes trapped air and fine activated carbon particles from the filter medium and ensures proper functioning.

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5. Replacement of filter cartridges

To ensure a consistently high filtration performance, the filter cartridges must be replaced at regular intervals.

Filter Type	Recommended replacement interval
PP Sediment Filter	approx. 6 months
C/T33	approx. 6 months
CTO Activated Carbon Filter	approx. 6 months

Actual replacement intervals may vary depending on water quality, particle load, and individual water consumption.

6. Maintenance and care

Regular maintenance ensures stable filtration performance as well as a long service life of the system.

Recommended actions:

- Check hoses and fittings regularly for leaks
- Replace the filter cartridges according to the recommended intervals
- Rinse the system after longer periods of non-use (e.g. > 2-3 days) before use
- Clean the outside of the appliance with a soft, damp cloth (do not use aggressive detergents)

7. Troubleshooting

Problem	Possible cause	Solution
Low water flow	Filter blocked / saturated	replace the filter cartridge
Water leakage	Connection not fixed correctly	Check connections and tighten them if necessary
Unusual taste	Activated carbon filter exhausted	Replace the activated carbon filter(s)

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info@sydros.de

8. 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.

9. 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.

10. 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
Kirrlacher Straße 6
76646 Bruchsal
Germany

Email: info@sydros.de
Phone: +49 1590 613 2674

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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