

SYDROS

Manual

SYDROS OPTIMUS - 6-Stage Water Filter with Klar2O® Technology

Concepted & Engineered in Germany

1. Introduction

Thank you for choosing the **SYDROS OPTIMUS 6-Stage Water Filter with Klar2O® Technology**. This manual provides detailed instructions for **installation, operation, maintenance and troubleshooting** to ensure long-term performance and clean, great-tasting water.
The OPTIMUS 6 combines the proven 5-stage filtration system with the innovative **Klar2O® Smart Surface Technology** – a high-performance adsorption process that effectively reduces microplastics, PFAS and heavy metals.
The result: **pure water, family protection, and sustainable safety every day.**



2. Safety Instructions

Application

- For **cold water use only.**
- Suitable for **drinking water** in accordance with EU Directive 98/83/EC.
- **Operating temperature:** 1–38 °C.
- **Operating pressure:** 1-4 bar. Install a **pressure reducer** if necessary.

Installation & Operation

- Shut off the **water supply** before installation.
- Use **only original parts**, the supplied **teflon tape** or **silicone sealing rings**.
- Before first use, **tighten all screw connections**, as they may have loosened during transport.
- Tighten by hand only – do not overtighten.
- Perform a **leak test** after installation.

Environment & Protection

- Install in a **dry and frost-free** location.
- Avoid **direct sunlight** and heat sources.
- Not suitable for outdoor or unprotected damp areas.

⚠️ **Improper installation or misuse may lead to water damage or reduced filtration performance.**

3. Product Description

The **SYDROS OPTIMUS 6-Stage Water Filter** purifies tap water through six coordinated filtration stages. Each stage serves a specific function to ensure the highest water quality.

3.1 Filterstufen im Überblick

Stufe	Bezeichnung	Funktion
1	**PP Sediment Filter**	Removes sand, rust, and coarse particles.
2	**CTO Carbon Block**	Reduces chlorine, odour, organic substances, POPs, PFAS, and pharmaceutical residues.
3	**RF/Ion Exchange Cartridge**	Reduces hardness and heavy metals, improves taste.
4	**UF Membrane (~0.01 µm)**	Removes bacteria, fine particles, and biological residues.
5	**T33 Carbon (Polishing)**	Final taste refinement; removes residual chlorine and odours.
6	**Klar2O® Smart Surface Technology**	Adsorptive stage for reduction of microplastics, nanoplastics, PFAS & heavy metals (99.99% efficiency confirmed by lab tests).

4. Technical Data

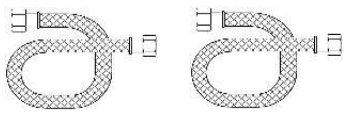
Parameter	Value
Operating pressure	1–4 bar
Flow rate	approx. 4 L/min
Operating temperature	1–38 °C
Filter lifespan	6 months or 30,000 litres (whichever comes first)
Recommended water hardness	up to 15 °dH (for harder water use the Optimus Protection Bundle)

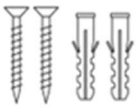
5. Scope of Delivery

- SYDROS OPTIMUS Filter Unit (6-stage)
- 6 Filter Cartridges (PP, CTO, RF, UF, T33, Klar2O®)
- Inlet and outlet hoses
- Drilling template, screws & plugs
- PTFE tape & silicone rings
- Filter wrench
- Wall mount
- User manual

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6. Installation

Preparation:

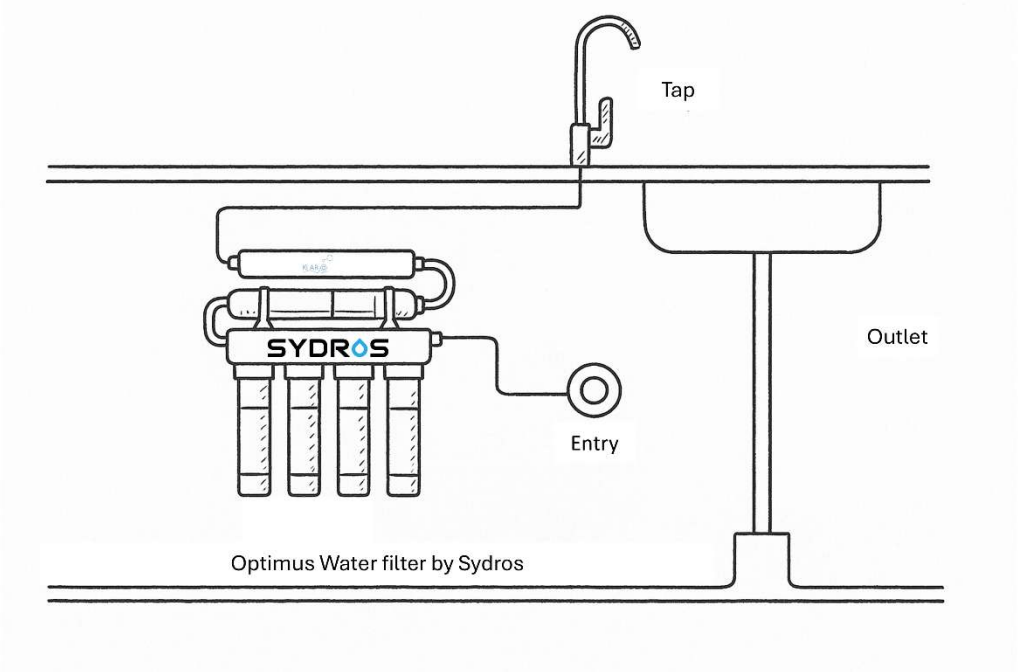
1. Shut off the water supply.
2. Choose a dry, stable location under the sink.
3. Use the drilling template to mark mounting holes.

Mounting:

1. Attach the filter unit using the supplied screws.
2. Seal all threads with PTFE tape or silicone rings.
3. Connect the inlet hose to the input and the outlet hose to the output.
4. Tighten all connections by hand.

Safety Check:

- Recheck all screw connections before operation.
- Slowly open the water supply and check for leaks.



7. Initial Operation

1. Slowly open the water supply.
2. Flush the system for 3–5 minutes to remove air and production residues.
3. Check all connections for leaks.
4. The filter is now ready for use.

8. Maintenance & Filter Replacement

Replacement Interval:
Every **6 months** or after **30,000 litres** of water – whichever occurs first. After 6 months, consistent filtration performance can no longer be guaranteed.

Replacement Procedure:

1. Shut off the water supply.
2. Use the filter wrench to open the housing counter-clockwise.
3. Remove the used cartridge and insert the new one (observe flow direction).
4. Close the housing and check that the seal is properly seated.
5. Open the water supply and flush for 2–3 minutes.

Tip: The Klar2O® cartridge can be replaced separately in high contamination areas (e.g. PFAS regions).

9. Troubleshooting

Problem	Cause	Solution
No water flow	Water supply closed, clogged filter	Open water supply, replace cartridge
Leakage	Loose fittings or damaged seal	Retighten, replace seal if necessary
Low flow rate	Low water pressure, saturated filter	Check pressure, replace cartridge
Unpleasant taste	Carbon cartridge saturated	Replace CTO/T33, flush system

10. Warranty & Support

- **Warranty:** 2 years from date of purchase (manufacturing/material defects).
- **Exclusions:** Misuse, modifications, unauthorised repairs.

Support:
E-Mail: info@sydros.de
Phone: +49 1590 613 2674

11. Disposal & Compliance

- **Filter cartridges: Dispose of as household waste in accordance with local regulations.**
- **Packaging: Recycle according to local guidelines.**
- **Compliance: CE-marked; conforms to DIN EN 13443-1, DIN EN 14898, and EU Directive 2001/95/EC (General Product Safety).**

SuchLooking 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.

SYDROSWATER

12. Imprint & Closing Statement

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With this manual, you have all the information needed to operate your **SYDROS OPTIMUS 6-Stage Water Filter with Klar2O® Technology** safely, reliably, and efficiently.
Thank you for choosing **Sydros** – for quality and water you can trust.

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