

IT'S INSIDE

ROWA®: POU system can be featured with the following high-quality filtration cartridges for your special demands



SF: sediment filter

- dirt, sand, coarse particles, sediment



KF: active carbon block filter

- dirt, sand, particles, sediment
- lead, copper
- pesticides, medical residues
- bad taste and odour
- chlorine



AMF: carbon block & membrane

- dirt, sand, particles, sediment
- lead, copper
- pesticides, medical residues
- bad taste and odour
- chlorine
- microorganisms >0,15 µm



AG: arsenic removal granulate

- removes arsenic from approx. 500 litres* of contaminated water

*) depending on arsenic concentration



LG: catalytic lime treatment granulate

- Stabilisation of hardening agents by stimulation of seed crystals. Reliable prevention of scale – maintenance-free, without chemistry.

PROJECT: PURITY

ROWA®: POU is a cooperational development of two innovative german filtration companies:

Weil Industrieanlagen is an experienced water treatment engineering company and manufacturer of slimline filtration systems. It is well-known for its unique granulate for the removal of arsenic and is specialized in reverse-osmosis and complex water treatment processing.

Carbonit Filtertechnik is Europe's only carbon-block manufacturer and has developed the dual-stage cartridge containing Carbon and capillary membranes.



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ROWA®: POU
high-end slimline filtration system

made in Germany

ROWA®:POU

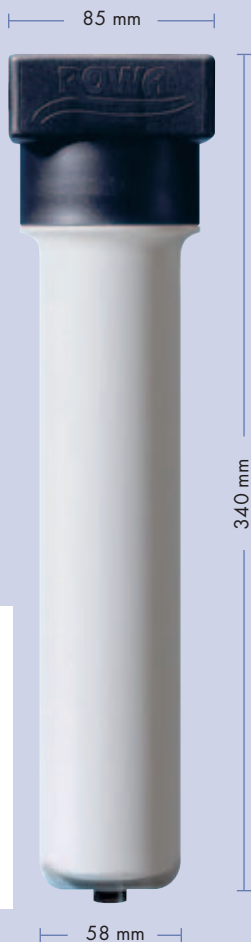
high-end slimline filtration system

ROWA®:POU is your choice, if you look for **purest water**, highest engineering **quality** and best possible **safety and hygiene** in your **POU water dispenser**.

Due to the compact construction of the ROWA®:POU system it can be installed into water dispensers or under the sink with **very small space requirements**.

The construction of the ROWA® slimline-housing is designed to allow a **modular extension**. Two and more filter housings may be connected in series. Hereby a combination of filter types is possible, i.e. an additional sediment filter for heavily polluted water. Also the usage of special adsorbers like for arsenic removal can easily be managed.

The **perfect solution** for your local water quality...



- Including practical wall holder -

THREE: IN ONE

The **AMF** is the first point-of-use slimline-cartridge with **active carbon block and capillary membranes**

The new ROWA®:POU filter **AMF combines three ways of filtration** (conventional filtration, adsorption and membrane filtration) **in one cartridge**.

- 1: First, particles (> 5 µm) are filtered by an microporous **active carbon block filter** and ...
- 2: adsorbable substances contained in water like **lead, copper, pesticides and medical residues** are removed by adsorption. The active carbon block filter also removes **chlorine** from water and enhances the taste of drinking water.
- 3: The following **micro-filtration membrane** with a pore size of 0.15 µm **surely reduces microorganisms** and fine diffused (colloidal) particles.



KF cartridge in slimline housing round head type (only Ø 75 mm)

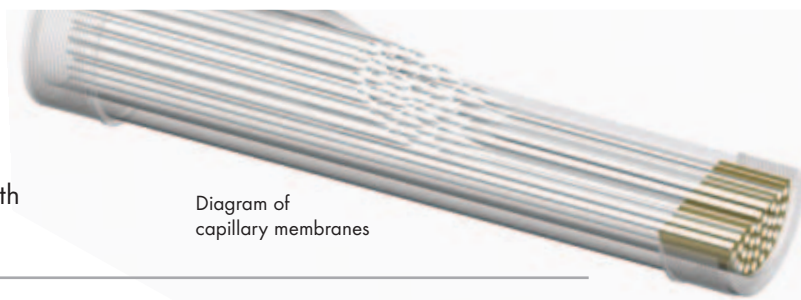


Diagram of capillary membranes

Despite the compact construction, the ROWA®:POU filter AMF has a **very high flow rate of up to 3 l/min.** and an **enormous overall capacity of approx. 5.000 l** drinking water – depending of water quality and pressure.

The ROWA®:POU filter AMF is suitable for direct filtration of tap water (no additional pre-filtration necessary) and provides a space-saving and powerful alternative for the usage as **inlet filter in most POU-units**.

Another application is the usage as a filter for bacteria between tap and permeate tank in combination with an under-sink reverse osmosis unit.



Section through an AMF cartridge: active carbon block followed by capillary membranes inside

