Water Wonderful Life

WATER CONTROL
Where NATURE & SCIENCE meet.™

UrSpring Home

We often suffer from lower quality water in large cities with old and widespread piping networks, which scares us away from drinking our tap water or even from using it for cooking.

Tap water encounters numerous contaminants while traveling through the city's old and often dilapidated waterways until it reaches your faucet, even though it may have originated from a clean source like mountain snowpacks or freshwater lakes.

Restore the clarity and quality of city water

Cracked or broken water pipes in a municipal water system allow chemicals and microscopic organisms to infiltrate the water supply and pose a health risk to you and your household. These risks include:

- Lead, identified as causes of cancer in the US as well as globally
- Legionella bacteria, the cause of Legionellosis, which has seen a 192% increase in infections from 2001 to 2011
- "Crypto" (Cryptosporidium), a waterborne parasite that is very resilient to chlorine disinfection
- E.Coli (Escherichia Coli), one of the most common waterborne diseases in America and worldwide.

Furthermore, in order to sanitize municipal water supplies it is common for a utility to add chloramine to the water, which leaves behind carcinogenic by-products and also gives water that unpleasant chlorine smell and taste.

Seccua removes contaminants before they enter your home

Seccua UrSpring Home, in combination with a UrSpring BioFilter removes all pathogens, microbes and micro-organisms to more than 99,99% from city water before it enters your home.

The activated carbon inside of the UrSpring BioFilter is considered by the US EPA to be the best method for removing pesticides and insecticides like DDT and Methoxychlor. It is also the most effective method of neutralizing endocrine disruptors, which are chemicals that can upset your internal chemistry when ingested and are often poisonous in larger quantities. These include phthalates in plastic water bottles, residual chemicals from herbicides (weedkillers), surfactants used in washing detergents, and toxic chemicals related to electronic printed-circuit boards (PCBs).

Drink crystal clear water from every faucet in your home

Whenever construction takes place close to a pipe used for drinking water, sudden and inexplicable cloudiness in your water may appear, which subsides after a while. This is because layers of particles and microorganisms break off from the sides of the city's water pipes from these deep vibrations, which then are pushed out into your drinking water. A similar phenomena occurs when firefighters have to draw large amounts of water to fight fires.

If you live in an area that's notorious for hard water, you often see white flakes floating around in your glass. This is because the calcium that makes water hard crystallizes on the inside of the city's water pipes, which eventually break off the sides and end up in your glass.

UrSpring purifiers remove these sediments and microorganisms from water: including silt, rust and others.

Medical-grade technology; engineered in Germany

This is because the UrSpring membrane only has a pore size of only 20 nanometers (0.02µm). As a result, UrSpring purifiers will remove any particle larger than 20nm: smaller than some of the tiniest viruses known to mankind. It completely removes pathogens from water while also solving turbidity problems, which is when water appears cloudy or murky from particles floating around in it. By removing all particles larger than 20nm, Seccua filtration guarantees crystal clear water from your faucet every time.

In order to deal with all of those incoming particles, UrSpring periodically flushes itself to remove all rejected contaminants using a fraction of the water it normally takes, which extends the life of the product, reduces water waste, and saves you money.

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seccua®

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Performance Data

Filtration performance[1]

Peak load (short term)	Up to 40 l/min Up to 10.6 gpm
Continuous load (long term)	Up to 30 l/min Up to 8 gpm

[1]Filtration performance is stated for a clean filter when deployed on city water at 53 °F (12 °C). It depends on water quality and temperature

Removal performance

Bacteria (B.Subtilis, E.Coli)[2]	> 99.99% (> 4.7 log tested)
Parasites (Crypto)[2]	> 99.99% (> 4.7 log tested)

[2] Virus and Bacteria removal of the Ultrafiltration membrane was measured by US EPA against EPA Standards for Ultrafiltration systems used on surface water filtration on a new membrane. The tests have been carried out using a Seccua Virex Pro unit which uses the same filter elements than the UrSpring systems. Removal performance can decrease over time, caused by membrane damage, without the UrSpring system being able to determine such decay

Operating Conditions

Max. operating pressure	5 bar (75 psi)
Max. operating temperature	40°C (104 °F)

Filtration and Cleaning

Filtration	Dead-end, no continuous drain flow
Cleaning	Flushing by time
max. Δp inlet to filtrate	2,5 bar (36 psi)

Programming

Language	German or English
Units	Metric or US
Flush	Filter flush can be disabled, when system recognizes water usage

Connections

Feed, Filtrate and Drain	Each 3/4" BSPT inside thread, parallel 3/4" Quick Connect Couplings supplied

Approvals

All materials NSF 61 and DVGW KTW compliant
CE, manufactured acc. to ISO 9001 standards
UL and VDE compliant.

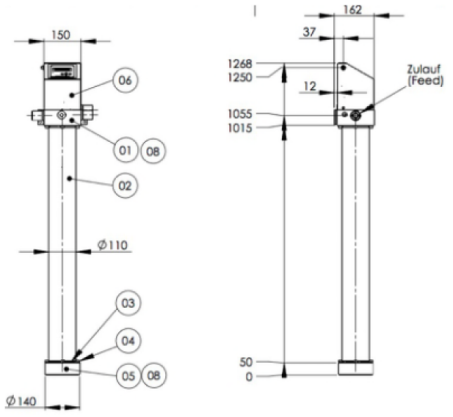
Power supply

Voltage[3]	12 V DC, 110 V AC, 230 V AC
Power consumption	1,5 W to max. 5,4 W

[3] Units are shipped with US, German and Chinese power adaptors. Other country-specific equipment is available on request.

Weight and dimensions

Width	150 mm (5.9 in)
Depth	162 mm (6.4 in)
Height	1268 mm (50 in)
Weight (dry)	12 kg (26.5 lbs)



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