

Water Wonderful Life



UrSpring Well

Seccua's UrSpring Well removes turbidity, bacteria and parasites from your own well's water without the use of chemicals and without any residuals.

In combination with a UrSpring BioFilter it even removes pesticides, herbicides and residuals from pharmaceuticals from water, which reaches into ground water through discharge and agriculture.

Compared to any other conventional filtration, the UrSpring Well not only offers superior performance but, due to its automatic and intelligent self-cleaning program, it also saves your money.



MODEL: URSW200

Restore your well water quality

Water from Private Wells can contain harmful contaminants, which pose a health risk to you and your household. These risk includes:

- ▶ Pesticides and herbicides. Widely used in agriculture, such contaminants reach into our ground-water sheds. The US EPA considers many of them to be carcinogenic, some disrupt our bodies' hormone system.
- ▶ Residuals of pharmaceuticals, like antibiotics or pain-killers. Such substances get into ground water from the effluent of waste-water treatment systems. Antibiotics are also heavily used in husbandry of live-stock to prevent infections, are then excreted and seep into ground-water. Consuming them through our drinking-water can cause resistance to antibiotics in our organisms.
- ▶ "Crypto" (Cryptosporidium), a waterborne parasite that is very resilient to chlorine disinfection and occurs in every surface water.
- ▶ E.Coli (Escherichia Coli), one of the most common waterborne diseases in America and worldwide.

Removes contaminants before they enter your home

No matter how much turbidity, rust or other particles are delivered into your home water system from your well: Your UrSpring Well will remove all such particles completely, leaving clear and fresh drinking water. It also contributes significantly to a clean and hygienic in-house piping system.

In conjunction with a UrSpring BioFilter, the UrSpring Well removes all bacteria, parasites, micro-organisms as well as all pesticides, herbicides and residuals of pharmaceuticals from water.

Medical-grade technology; engineered in Germany

The core of Seccua filtration for purification of your well-water is the UrSpring Well. It's made from the same ultra-fine filter-membrane used in medical instruments to purify blood of toxins during dialysis. Seccua adapted this medical technology to provide the most comprehensive protection against waterborne diseases. The filters are produced from the purest materials and meet the highest quality standards, and this level of quality and craftsmanship is carried over into water purification. In fact, Seccua filtration systems have endured long-term testing by the Environmental Protection Agency (EPA) and German health authorities, and have been independently proven to completely remove viruses, bacteria and parasites from water (please see certification and testing data for more information).

Fully automatic, comfort-enhanced flushing

As the only filter available, the UrSpring Well senses the true state-of-fouling of the filter by measuring flow and differential pressures. This enables the system to flush only if really needed and to minimize the amount of water needed for flushing.

The UrSpring Well does not flush when you are using water. Flushing is then delayed until water consumption ceases again.

Saving up to 75% in cost

At typical single-household UV water-disinfection-system consumes around 100 Watt of electrical power 24/7. At prices of around 15 Ct/kWh that adds up to \$130 per year. Together with required exchange of UV-lamps and pre-filters, such conventional systems for treating well-water easily incur several hundred Dollars per year in operating expenses. The UrSpring Well offers up to 75% of savings!

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MODEL INFORMATION: # URSW200

Performance Data

Filtration performance¹

Peak load (short term)	up to 42 l/min up to 11 gpm
Continuous load (long term)	up to 12 l/min up to 3.2 gpm

¹Filtration 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 interval or filter-fouling
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.

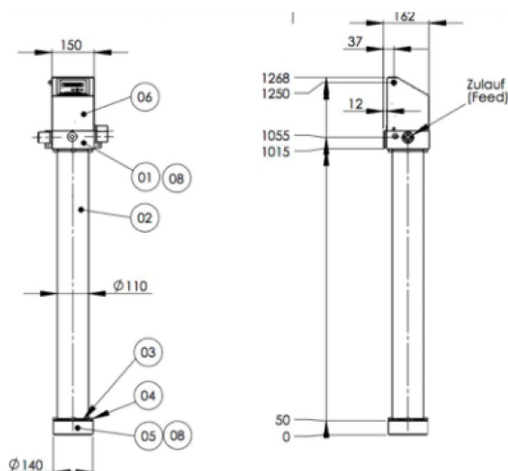
Power supply

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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