



X-Spot Pro

The new X-Spot® Pro.

Crystal-clear and safe drinking-water from every tap in your house. The new X-Spot Pro cleans itself intelligently, only when required, and does not interrupt the water supply when water is used.

Now with 60% higher performance.



Highest Removal Performance

The nano-pores of the X-Spot Pro Ultrafilter fully remove virus, cyst and bacteria from well and city water. The system also reliably removes turbidity, so that downstream second barrier devices, like UV-systems, can function efficiently.

Only whole-house filter that really senses filter-fouling

The X-Spot Pro incorporates a sophisticated controller that senses the pressure-drop across the filter, records the flow of filtered water and from that computes the actual fouling of the membrane filter. At a glance the user can determine the degree of fouling of the filter and its remaining capacity.

Automatic self cleaning, only when required

The X-Spot Pro flushes out filtered matter automatically and only when the filter load reaches an adjustable threshold. That way the X-Spot Pro avoids unnecessary cleaning cycles and saves precious water. In addition, a time-of-day can be set to perform a cleaning cycle - thus being especially helpful to avoid standing water, when no water is used over a couple of days.

Adapts cleaning to improve comfort

Once the system determines that it requires a cleaning, but at the same time senses that water is being used, the automatic cleaning cycle is delayed until water usage is shut down.

Highest Filtrate output

The X-Spot Pro now offers higher filtrate output than ever: due to optimized filter-module construction and more membrane area, depending on the water quality, the system achieves a peak flow of up to 50 liters per minute (13 gpm).

Integrated Membrane Protection

In order to avoid membrane damage through water hammer, Seccua has integrated components into its X-Spot system, protecting the membrane and enabling it to long-term remove particles as small as virus. This integrated Membrane Protection System includes slow closing valves on the unit itself plus an emergency pressure relief as soon as the X-Spot Pro detects too high incoming pressures.

Go Solar!

Without any additional equipment required, the system can be connected to solar power supplying 12 VDC. Its ultimate low power consumption of only 1,5 W during filtration gives it a superior advantage over disinfection technologies like UV in remote locations without connection to the power-grid.

Industrial quality and German Engineering

Designing the X-Spot Pro, Seccua has incorporated over ten years of experience in building water treatment systems. That is why the X-Spot Pro is machined from one piece, avoiding unnecessary gaskets and fittings, made for long-term reliability.

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Performance Data

Filtration Performance¹
 Peak load, short term up to 50 l/min (13.2 gpm)

Removal performance
 Virus (MS2 Phage)² full removal (>4.7 log tested)
 Bacteria (B. Subtilis, E-Coli)² full removal (>4.9 log tested)
 Parasites (Crypto)² full removal (>4.7 log tested)

Water consumption during flushing typically less than 2%

¹ Filtration performance depends on water quality and temperature. Please design carefully before deploying a X-Spot Pro system and consult with Seccua Authorized System Partners for advise if required.

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 X-Spot Pro systems. Removal performance can decrease over time, caused by membrane damage, without the X-Spot system being able to determine such decay.

Operating Conditions

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

Operating Modes

Filtration Feed pressurized by gravity or pump
 Cleaning method Flushing by interval-, time of day- or fouling.
 Maximum Δp inlet to filtrate 2,5 bar (36 psi)

Programming

Cleaning Mode Time-of-day, timed-interval or fouling-threshold can be set
 Language English or German
 Displayed Units Metric or US
 Flush when flow Can be enabled or disabled

Displayed information

On its back-lit display the unit displays flow, differential pressure, filter-fouling status and error messages.

Power supply

Voltage⁴ 12 V DC, 110 V AC, 230 V AC
 Power consumption during filtration approx. 1,5 W
 during cleaning max. 5,4 W (typically⁵ hourly for 20 s.)

⁴ Units are shipped with US, German and Chinese power-adaptors. Other country-specific equipment is available upon request.

⁵ The cleaning frequency depends on the contamination of the raw water and may vary. The power requirement of the pumps is not included in the consumption data.

Integrated Sensors

Pressure Feed- and filtrate pressure-sensors
 Flow Built-in filtrate-flow-sensor

Housing

Tightness IP 67
 Keyboard Water-proof

Approvals

DVGW KTW, CE, UL

Connectors

Original John-Guest Quick-Connect Couplings.

Weights and Dimensions

Width 150 mm (5.9 in.)
 Depth 162 mm (6.4 in.)
 Height 1268 mm (49.9 in.)
 Weight (dry) 12 kg

