



## Press Release

### New ultrafiltration system for drinking water treatment for Point-of-Entry applications

#### **Intelligent X-Spot Pro systems by Seccua simultaneously remove pathogens and turbidity from water**

**Steingaden, Germany / Surprise, AZ - 5th of February 2009 – Seccua, the global leader of technology in the field of standardized ultrafiltration installations for treating drinking water, introduces its intelligent X-Spot Pro installation to the market. Operating at a peak flow rate of up to 36 liters/min (9.5 GPM), it is particularly suited for the use in households, small individual water supplies, restaurants and catering businesses. The systems can be wall mounted, and filters turbidity and pathogens out of the water in a single step without utilization of chemicals. Environmentally friendly, the process leaves no residue in the water.**

The new X-Spot Pro treats the water in such a manner that it is potable as regards to microbiological material: In a single step it removes more than 99.99 percent of all pathogens, including viruses, legionella and E. Coli as well as turbidity. Following filtration, the water can be used for drinking, cooking and washing without hesitation.

The danger of a membrane rupture was believed to be the main argument against the use of ultrafiltration as a single process for disinfecting drinking water. To minimize the possibility of a membrane rupture, the X-Spot Pro has an intelligent control with integrated membrane protection, which prevents damage to the membrane due to pressure surges and increased pressure difference. Additionally, the installed SeccuMem Pro membrane module offers particular protection: it contains a sturdy hollow fiber membrane made of high-performance material and has a pore size of only 20 nanometers or less, which enables it to reliably retain pathogens. Dissolved minerals easily pass through the membrane. To minimize the water consumption needed for self-cleaning, the X-Spot Pro automatically detects the degree of contamination of the filter by monitoring the pressure differential as a function of the flow rate, and only flushes the filters when it is actually necessary.

“Small, decentralized water suppliers in particular can now use ultrafiltration as the single, reliable, extremely effective and environmentally friendly process for the treatment of drinking water”, states Michael Hank, founder and managing director of Seccua. “Our new X-Spot Pro ultrafiltration system leads the global industry in quality and reliability, while providing the end-user a simple installation that looks good and requires low maintenance.”

The new Seccua X-Spot Pro is available in two models with a filtration performance of 17 l/min (X-Spot Pro 500) and 36 l/min (X-Spot Pro 1000).

#### **Effective process of ultrafiltration**

Ultrafiltration, which originates from medical technology, has been making its entry in drinking water treatment to an increasing degree. In the purification process membranes are utilized, which have a pore size of a mere 20 nanometers or less. Thereby they are smaller than all known pathogens present in the water. In this manner, ultrafiltration offers an almost 100%, chemical-free barrier against viruses, parasites, bacteria. Simultaneously, turbidity and red coloration are removed from the water.

#### **Seccua GmbH**

Seccua GmbH, based near Munich, Germany, is the world technology leader in the field of standardised ultrafiltration systems that remove all known pathogens from drinking water. Without the addition of chemicals, bacteria, viruses, parasites, sediment and red iron discoloration can be removed from drinking water. The inexpensive, small-scale systems produced by Seccua were originally developed by Michael Hank, founder and CEO of Seccua, in conjunction with a partner from the USA and first went into operation there in 1998. Over 400 of the systems are now already in successful operation, including in the dining cars of the latest generation of high-speed, inter-city trains in Europe. The production facilities of the company founded in April 2004 are designed to handle an annual manufacturing capacity of 1,500 systems.

General manager of Seccua Americas LLC based in Surprise, Arizona, USA is Dan Wyckoff, who has over 30 years of experience in the water treatment industry, including pioneering work in the establishment of ultrafiltration as an accepted treatment technology for residential and commercial applications. Market focus for Seccua Americas LLC is the supply of products and components to established equipment manufacturers and suppliers.

Further information can be found at [www.seccua.com](http://www.seccua.com) or from:

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