



LineGuard UF-100

Safety at the source

Innovations for today's market

Pentair Clean Process Technologies (CPT), headquartered in The Netherlands, is an innovative leading supplier to the water and beverage industries. With almost a century of experience, Pentair CPT is an authority when it comes to potable water, process water, desalination, waste water and water transportation. Pentair CPT supplies superior products based on proprietary technology in every step of the water and beverage value chains.

Pentair Filtrix, part of Pentair CPT, specializes in developing, manufacturing and marketing point-of-use (POU) and point-of-entry (POE) products based on membrane and activated carbon technologies.

Pentair Filtrix offers customized branding and private labeling product opportunities for the OEM market. In addition, products are sold throughout the world by major distributors in our key markets commercial, hospitality healthcare and emergency. All of our products are backed by superior customer service. We strive to develop technically advanced and sustainable products that meet our customer's needs at competitive prices. The Pentair Filtrix Quality Management System is certified to the ISO 9001:2008 standard and each product is individually quality checked.

The superior membrane technology of the Filtrix LineGuard UF-100 ensures the safety at the source for you, your guests or your patients. It is just one example of what we strive for with all of our products smart, innovative technology that meets specific needs in the most sustainable and cost-effective way possible.

For more information on Pentair Filtrix and its entire product range, please visit www.filtrix.com

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Filtrix BV reserves the right to make changes in the technical specifications at any time.



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The leading solution in point-of-entry filtration

The quality and safety of water entering a home or business is of vital importance, especially when the source of the water is below standard or the use requires a higher quality. In such cases as in the healthcare or hospitality industries or homes with well water local conditions often make it hard – if not impossible – to offer the safest water possible. In these situations the best solution is the Filtrix LineGuard UF-100 compact water system, which filters water at the point where it enters the facility or home. Developed by Pentair Filtrix, a specialist in decentralized water purification solutions, the Filtrix LineGuard UF-100 allows you to guarantee your guests, patients or family the high quality, safe water.

Proven technology

The Filtrix LineGuard UF-100 compact water system produces safe, purified water for applications where high flow rates, long service life, low maintenance and compact design are important factors. The core of every Filtrix LineGuard system is built around reliable, state-of-the-art Pentair CPT ultrafiltration (UF) membrane modules, which are successfully used in the world's most advanced water purification plants. The system works on waterline pressure and has a built-in controller for automatic backwash and forward flush cleaning cycles. The Filtrix LineGuard UF-100 has two UF modules, with billions of microscopic pores small enough to retain all micro-organisms, including bacteria, viruses and cysts, sediment and turbidity, but large enough to allow vital minerals to pass through.

Performance

- Virus, bacteria and cyst removal
NSF P231 compliant
- Capacity of one Filtrix LineGuard UF-100 system 60 l/min at 2 bar (24 gpm at 45 psi)
- System expandable with parallel connection of up to five systems
- Long service life provides up to 5,000 m³ (1.3 million gallons) per system
- Regular service is required just once every year



Optional AC treatment

To reduce chemical contaminants or improve the water's taste and odor at a specific tap, a Pentair Filtrix point-of-use cartridge can be installed. The Filtrix WaterConditioner+ reduces a broad spectrum of chemical residues including pesticides, endocrine disrupting compounds, medical residues, and heavy metals such as lead and copper. It also eliminates bad tastes and odors caused by contaminants such as chlorine and sulphur.

Applications

The Filtrix LineGuard UF-100 can be used as a compact water treatment system or as a gatekeeper Legionella prevention system. The capacity can be increased by connecting up to five systems in parallel. Applications include:

- Healthcare centers and dentist offices, where people are at a particularly high risk of infection from waterborne pathogens
- Hotels and restaurants, to guarantee safe and high quality water for drinking, food preparation, showers and laundry
- Legionella prevention for showers in public buildings
- Whole house water treatment to improve tap water quality for drinking, food preparation, showers, and laundry
- Well water treatment



Features

- Controller for easy system status check
- Works on water line pressure, no pump required
- Low energy consumption
- Minimal waste water discharge
- High flow rate, even at low water pressure
- Low maintenance requirements, due to automatic backwash and forward flush cleaning cycles
- Adjustable language, flush and alarm settings

