



FILTRATION
16.4 l/min PERU

The image shows a Pentair LineGuard water filtration system. It consists of two white cylindrical filter cartridges mounted on a black base. A blue control panel is positioned between the cartridges, featuring a small LCD screen displaying 'FILTRATION 16.4 l/min PERU' and four circular buttons below it. The brand name 'LineGuard' is printed vertically on the right side of the black base. The background is a light-colored wall with a subtle geometric pattern.

POINT-OF-ENTRY DRINKING WATER SOLUTION



The quality and safety of water entering a building 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 LineGuard UF-100 compact water system, which filters water at the point where it enters the facility or home.

Developed by Pentair, a specialist in decentralized water purification solutions, the LineGuard UF-100 allows you to guarantee your guests, patients or family the high quality, safe water.

PROVEN TECHNOLOGY

The 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 LineGuard system is built around reliable, state-of-the-art Pentair X-Flow 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 LineGuard UF-100 has two X-Flow 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.

OPTIONAL TREATMENT

To reduce chemical contaminants or improve the water's taste and odor at a specific tap, a Pentair point-of-use cartridge can be installed. The Pentair 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.



PERFORMANCE

- Virus, bacteria and cyst removal NSF P231 compliant
- Capacity of one LineGuard UF-100 system is 60 l/min at 2 bar (24 gpm at 45 psi) depending on the feed water quality
- 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

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

APPLICATIONS

The 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





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