



TECHNICAL SHEET

PENTAIR

LINEGUARD UF-100
ULTRAFILTRATION SYSTEM





PENTAIR LINEGUARD UF-100 ULTRAFILTRATION SYSTEM



TECHNICAL CHARACTERISTICS

- Ambient temperature: min +1°C, max +50 °C
- Storage temperature: min +1°C, max +50 °C
- Feed water temperature: min +1°C, max +40 °C
- Relative humidity: up to 100%
- Supply voltage: 90-264 VAC
- Power consumption during cleaning: max. 20 W
- Power consumption during filtering: max. 1 W
- Maximum inlet pressure: 4 bar

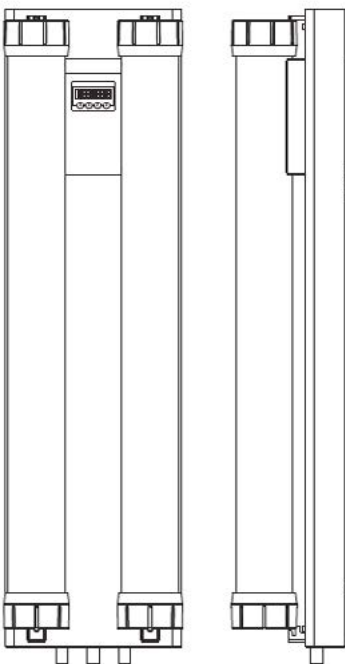
PRODUCT SPECIFICATIONS

CONNECTIONS:

- Feed water: 22 mm, 3/4 inch (solder or compression fitting)
- Permeate: 22 mm, 3/4 inch (solder or compression fitting)
- Connection to drain: 22 mm, 3/4 inch (solder or compression fitting)

DIMENSIONS AND WEIGHT:

- Product:
 - Height 1150 mm
 - Width 316 mm
 - Depth 209 mm
 - Weight 40 kg
- Packaging:
 - Length 1200 mm
 - Width 400 mm
 - Height 350 mm
 - Weight 38 kg





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PERFORMANCE CHARACTERISTICS

PERFORMANCE

Initial flow rate ⁽¹⁾	60 l/min @ 2 bar, sufficient for 4 tap connections
Total capacity ⁽¹⁾	> 5.000 m ³
System efficiency ⁽¹⁾	> 98%
Cleaning cycles	Backwash and forward flush
Membrane area	4.5 m ²
Control unit	Type CWS EC 2
Menu language	English, German, Spanish, French
Input data	Cleaning cycle parameters
Output data	Total volume, pressure drop, performance indication

COMPLIANCE

Biological retention	Viruses ⁽²⁾ : >99.99% (log 4) Bacteria ⁽³⁾ : >99.99999% (log 7)
Material safety	Extraction tests according to NSF/KTW
Structural integrity tested at	Hydrostatic pressure 12 bar
NSF P231	Compliant
UL	Compliant
KIWA ATA	Pending

⁽¹⁾ Flow rates and capacity depend on incoming water conditions

⁽²⁾ Tested by Vitens water research using MS2 bacteriophages

⁽³⁾ Tested by KIWA water research using Legionella Pneumophila

FLOPLUS SERIES

MODIFIED MOLDED CARBON BLOCK CARTRIDGES



Pentair FloPlus⁸ Cartridges utilize the benefit of small particle reduction at a flow rate comparable to a 10-micron rated cartridge.

This product boasts extremely low pressure drops and high flow rates – comparable to 10-micron (very open) carbon cartridges. Its efficiency is so high that very small particles can be removed to create cleaner, safer water.

These cartridges are ideal for applications where pressure drop and low flow have been chronic problems in the past, as well as whole house water treatment with the addition of small particle reduction. However, it will address the needs of any end user looking for a product that offers high flow, low pressure drop, infrequent cartridge changes and small particle reduction.

FEATURES • BENEFITS

- ◆ NSF/ANSI Standard 53 certified to reduce cysts such as *Cryptosporidium* and *Giardia* by mechanical means
- ◆ Premium dirt holding capacity*
- ◆ True depth filtration
- ◆ High flow rates and low pressure drop similar to a nominal 10-micron cartridge
- ◆ Maximum life – dirt holding ability of a 10-micron carbon block with the particulate efficiency of a 0.5-micron cartridge

SPECIFICATIONS

- ◆ Filter Media – Bonded PAC
- ◆ Endcaps – Polypropylene
- ◆ Netting – Polyethylene
- ◆ Gaskets – Santoprene
- ◆ Temperature Rating – 40-180°F (4.4-82.2°C)

*Not Tested or Certified by WQA

FLOPLUS SERIES MODIFIED MOLDED CARBON BLOCK CARTRIDGES

SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR @ FLOW RATE (GPM)
FloPlus-10	455903-43	2.88" x 9.75" (73 mm x 248 mm)	0.5 micron	2 psi @ 1 gpm (0.14 bar @ 3.8 Lpm)	>10,000 gallons @ 1 gpm (37,854 L @ 3.8 Lpm)
FloPlus-20	455904-43	2.88" x 20" (73 mm x 508 mm)	0.5 micron	2 psi @ 2 gpm (0.14 bar @ 7.6 Lpm)	>20,000 gallons @ 2 gpm (75,708 L @ 7.6 Lpm)
FloPlus-10BB	455905-43	4.63" x 9.75" (118 mm x 248 mm)	0.5 micron	4 psi @ 2 gpm (0.28 bar @ 7.6 Lpm)	>25,000 gallons @ 2 gpm (94,635 L @ 7.6 Lpm)
FloPlus-20BB	455906-43	4.63" x 20" (118 mm x 508 mm)	0.5 micron	4 psi @ 4 gpm (0.28 bar @ 15.2 Lpm)	>50,000 gallons @ 4 gpm (189,270 L @ 15.2 Lpm)

*Not Tested or Certified by NSF

NOTES: Performance capacity depends on system design, flow rate and certain other application conditions. Certain states require system registration or certification for health-related substance reduction claims. Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



Tested and Certified by NSF against NSF/ANSI Standard 53 and CSA B483.1 for the reduction of claims specified on the performance data sheet in models FPS-10, FPS-10BB, FPS-20 and FPS-20BB to reduce Cysts.

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