

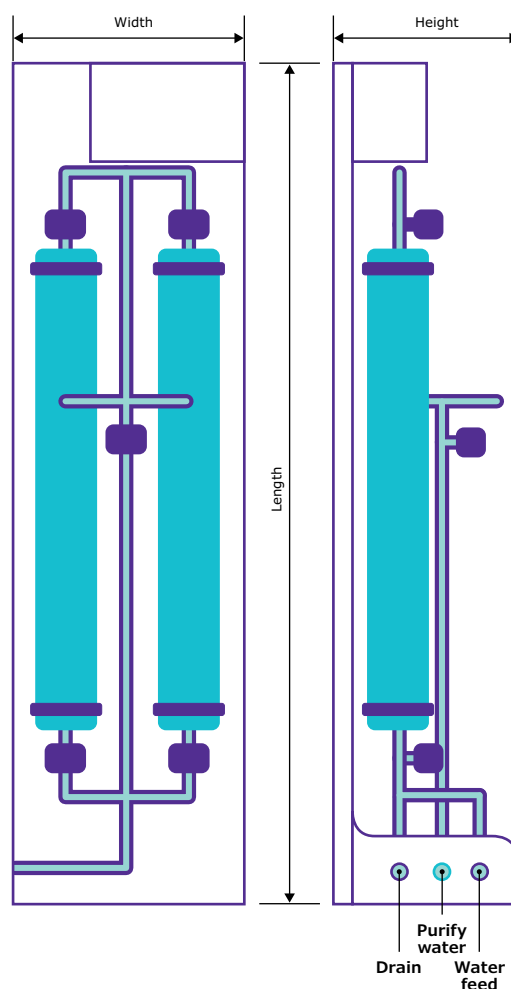
UF Pretreatment

(Cat. No. ZUFPREUN0)

General Description

The UF filter unit is primarily intended to be used as a pretreatment for the removal of suspended particulate, microorganism and colloid materials from a tap water supply. The UF system must be used in the case of tap water with a high Fouling Index ($7 > \text{SDI} > 12$).

Description	
Service flow rate	500 L/h
Max pressure	6 bar
Max transmembrane pressure	2 bar
pH range	2–10
Max free chlorine (long time)	50 ppm
Max free chlorine (short time)	< 300 ppm
Max operating temperature	40°C
MWCO	50.000 Dalton
Width (W)	300 mm
Depth (H)	250 mm
Height (L)	1290 mm
Weight	22 Kg
Rated voltage	AC 110-220/DC 6V
Rated power	3W



Specifications and Requirements

Product water specifications

Ion rejection (RiOs™ Essential)	> 95%
Particle rejection (RiOs™ Essential)	> 99%
Resistivity	> 5 MΩ.cm @ 25°C
Conductivity	< 0.2 µS/cm @ 25°C
Total Organic Carbon (TOC)	< 30 ppb
Microorganisms for Elix®	< 100 cfu/mL
Microorganisms for Elix® UV	< 10 cfu/mL
Dissolved silica	< 5 ppb
System and tank max length tubing	6 m

Product water flow rates

Elix® Essential 3 (UV) system	3 L/h
Elix® Essential 5 (UV) system	5 L/h
Elix® Essential 10 (UV) system	10 L/h
Elix® Essential 15 (UV) system	15 L/h
Elix® Essential 5 system	5 L/h
Elix® Essential 8 system	8 L/h
Elix® Essential 16 system	16 L/h
Elix® Essential 24 system	24 L/h

Feed water quality requirements

Pressure	1–6 bar
Flow rate	> 5 L/min at 2 bar
Type	Portable
Temperature	5–35°C
Conductivity	100–2000 µS/cm at 25°C
pH	4–10
Langelier Saturation Index (LSI)	< 0.3
Free total chlorine	< 3 ppm

For More Information

Please visit our website
MerckMillipore.com/labwater

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