

Ultrafiltration system



Flow/pressure correction
depending on the temperature

MULTIPLICATOR	°C	°F
1	25	77
0,89	20	68
0,78	15	59
0,68	10	50
0,59	5	41
0,52	1	33,8

To obtain a certain flow/pressure at a desired temperature, multiply the flow at 25°C by the appropriate multiplier.

Available option :

- Derivation valve
- Support for floor installation

Components

Membrane type	Multi capillary hollow fiber (4x40)
Number of capillaries per fiber	7
Direction of filtration	Interior / exterior
Porosity	150 000 daltons
Membrane area	6 m ² [65 pi ²]
Housing type	Stainless steel
Peak flow	55 lpm [14 gpm]
Continuous flow (well, SDI<5)	16 lpm [4.2 gpm]
Continuous flow (surface, SDI<15)	8 lpm [2.1 gpm]
Backwash flow	26 lpm [7 gpm]

Connections

Electrical supply	120 VAC / 60Hz / 1,4 A
Inlet	3/4" polyethylene (PEX)
Derivation	3/4" polyethylene (PEX)
Production	3/4" polyethylene (PEX)
Drain	3/4" polyethylene (PEX)

Feed water

Inlet pressure	2.75 - 10 bar [40 - 145 psi]
Max. transmembrane pressure	3 bars [45 psi]
Temperature	1 - 40 °C [34 - 104 °F]
Max. H ₂ O ₂ concentration (punctual)	500 ppm
Max. free chlorine concentration (operation)	200 000 ppm-hr @ pH > 9.5
Max. free chlorine concentration (CIP)	200 ppm @ pH > 9.5
pH cleaning	1 - 13
Turbidity	<300 ntu
REQUIRES 25 µm PRE-FILTRATION	

Operating specs

Mode	Volumetric
Type of rinse	Backwash Co current Mixed

Controller

Control	Microcontroller Wi-Fi/BLE
Update available	YES
Display diagonal	5.1 po [13 cm]
Display	800x480 pixels
Touch	Capacitive scratch resistant
Brightness	Adjustable
Display technology	IPS

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PURIBEC
TECHNOLOGIES

546, chemin Olivier, Lévis (Québec) G7A 1P1

Tél. : 418.839.8115 / 1.800.839.8115

Télec. : 418.831.7511

www.puribectechnologies.com / information@puribec.com

Ultrafiltration system

Data Sheet : Residential and Commercial Ultrafiltration System

General operation

Nothing's easier! The water passes through a membrane which captures and eliminates sediments, fine particles, and turbidity (cloudy water caused by certain physicochemical parameters). Before the membrane becomes saturated, the Confortum SL initiates an automated cleaning cycle without ever ceasing to provide you with high quality filtered water. In addition, the touch interface allows you to consult the status of the device and to have information on your water consumption.

5 reasons to choose the Confortum SL

1. Comfort and safety for the whole family, everywhere in your home.
2. Esthetic, modern and compact, in aluminium, can be fixed to the wall or mounted on a stand and be install vertically or horizontally.
3. Pre-assembled, ready-to-connect and easy to maintain.
4. Improves UV transmittance for optimum UV performance.
5. Environmentally friendly

Eliminates

Sediments	Turbidity	Clay / Argil	Pollen	Sand	Iron*
✓	✓	✓	✓	✓	✓

*Depending on the type of iron present

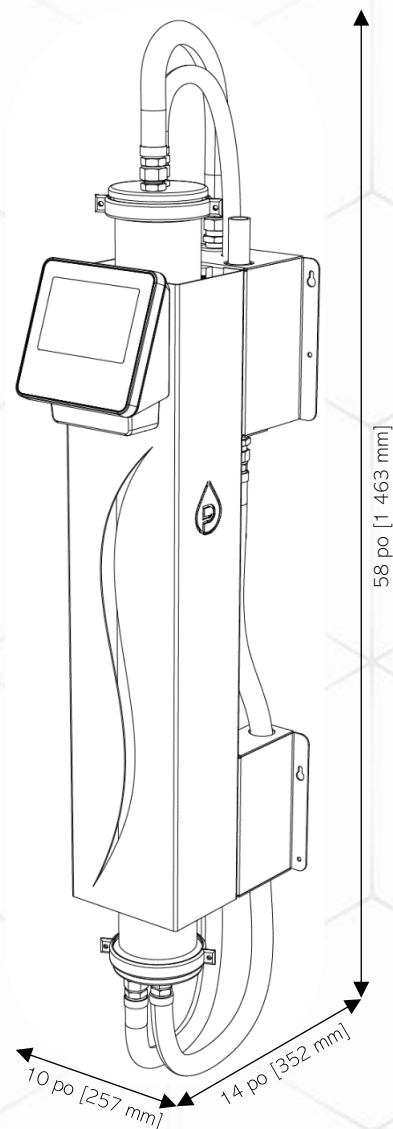
Derivation valve option

The bypass valve option allows better regeneration of the membrane and therefore a better longevity of the latter. This is because the option allows for backwashing, which helps dislodge any particles from the raw water side of the membrane. Bypass valve control is fully automated in the regeneration cycle. This option is only available on installations with an atmospheric tank.

Touch screen controller

The all-new controller provides a simple and intuitive user experience. In addition to providing information on the status of the device, the interface has wifi connectivity for future updates that will allow new functionalities over time. In addition, a water consumption graph for the last seven days will inform you of your water consumption profile and thus motivate you to reduce it.

Confortum SL



SÉRIE ATMOSPHER



- No chemical release into the environment
- Regenerative membrane
- Very low power consumption

