

AQUADYN® UE1060-HP *LENNTECH*

Hollow Fiber UF Modules

WATER TREATMENT SOLUTIONS

AQUADYN® UE1060-HP UF modules feature a 0.025-micron pore size **Polyethersulfone (PES)** hollow fiber membrane that produces high quality filtrate. The PES hollow fibers are potted in a U-shaped arrangement. AQUADYN® UE1060-HP modules can be used for a wide range of applications while treating a variety of feed waters: mainly sea, surface, and well.

This product specification sheet provides an overview of relevant technical data regarding AQUADYN® UE1060-HP modules. This module can be used as a direct replacement for the AQUADYN® UE1060 module.

MEMBRANE CHARACTERISTICS

Membrane Polymer	Polyethersulfone (PES)
Nominal Pore Size	0.025 µm
Membrane Type	Hollow Fiber
Hollow Fiber Diameter OD/ID	1.55 mm / 0.95 mm (0.061 inch/ 0.037 inch)

MODULE SPECIFICATIONS

Housing Material	uPVC
Membrane Potting	Epoxy
Filtration Flow Path	Out → In
Operating Mode	Dead-End (Preferred) / Cross-Flow (Optional)
Preservative	Ethanol + Glycerin
Nominal Membrane Area	55 m ² (592 ft ²)

OPERATING PARAMETERS

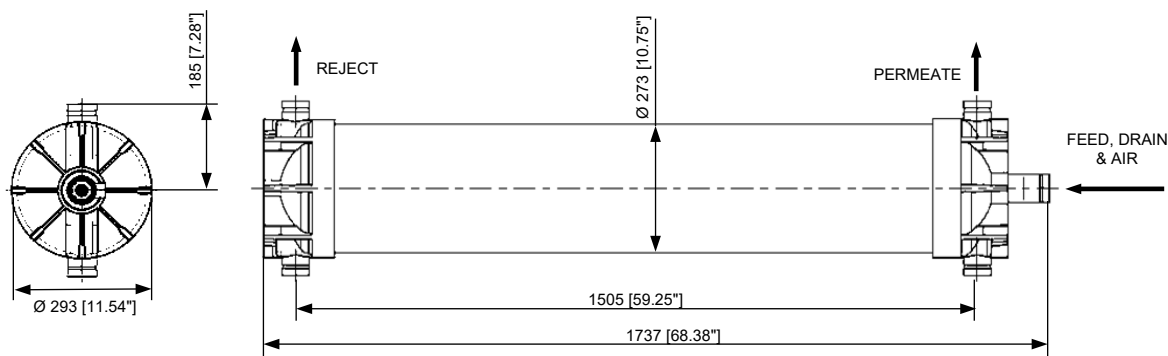
Max. Water Flow	1.6 – 6.6 m ³ /h (7.3 – 29.1 gpm)
Maximum Feed Pressure (at 20°C / 68°F)	5.0 bar (72.5 psi)
Maximum Feed Pressure (at 45°C / 113°F)	2.0 bar (29.0 psi)
Maximum Transmembrane Pressure	1 bar (14.5 psi)
Maximum Backflush Flow	13.2 m ³ /h (58.1 gpm)
Typical Air Scour Rate	10 Nm ³ /h (5.9 scfm)
Maximum Air Scour Pressure	0.6 bar (8.7 psi)
pH Range for Operation	2.0 – 12.0
Temperature Range	5 – 45°C (41 – 113°F)

CLEANING PARAMETERS

pH Range	1.0 – 13.0
Max. Temperature	45°C (113°F)
Max. Active Chlorine Concentration	200 ppm
Max. Active Chlorine Exposure	200,000 ppm-hours



PHYSICAL DIMENSIONS



Dry Weight	41 kg (90.4 lb)
Module Diameter	273 mm (10.7 in)
Module Length	1737 mm (68.4 in)
Feed Port	2" Victaulic
Reject Port	2" Victaulic
Permeate Port	2" Victaulic
Air Inlet Port	G 1/2"

IMPORTANT INFORMATION

Storage & Handling:

AQUADYN® UE1060-HP modules must be handled and stored appropriately to ensure proper operation and to prevent membrane damage.

Installation and Start-up:

AQUADYN® UE1060-HP modules must be installed correctly before start-up.

Cleaning:

AQUADYN® UE1060-HP modules must be cleaned routinely via backwash to ensure proper operation and to prevent membrane damage.

MICRODYN-NADIR reserves the right to change specifications without prior notification.

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