

MICRODYN AQUADYN® UA1060-HP Hollow Fiber UF Modules

MICRODYN AQUADYN® UA1060-HP UF modules feature a 0.025-micron pore size **Polyacrylonitrile (PAN)** hollow fiber membrane potted in a U-shaped arrangement. With the ability to tolerate oil & grease, these modules are most suitable for treating oily wastewaters from various industrial processes. They operate at a very low feed pressure due to the high hydrophilicity of PAN membrane, which leads to energy savings. This product specification sheet provides an overview of relevant technical data regarding MICRODYN AQUADYN® UA1060-HP modules. It can be used as a direct replacement for the MICRODYN AQUADYN® UA1060 module.

MEMBRANE CHARACTERISTICS

Membrane Polymer	Polyacrylonitrile (PAN)
Nominal Pore Size	0.025 µm
Membrane Type	Hollow Fiber
Hollow Fiber Diameter OD/ID	1.7 mm / 0.9 mm (0.067 inch / 0.035 inch)

MODULE SPECIFICATIONS

Housing Material	uPVC
Membrane Potting	Epoxy
Filtration Flow Path	Out → In
Operating Mode	Dead-End (Preferred) / Cross-Flow (Optional)
Preservative	Sodium meta-bisulfite / Glycerin
Nominal Membrane Area	60 m ² (646 ft ²)

OPERATING PARAMETERS

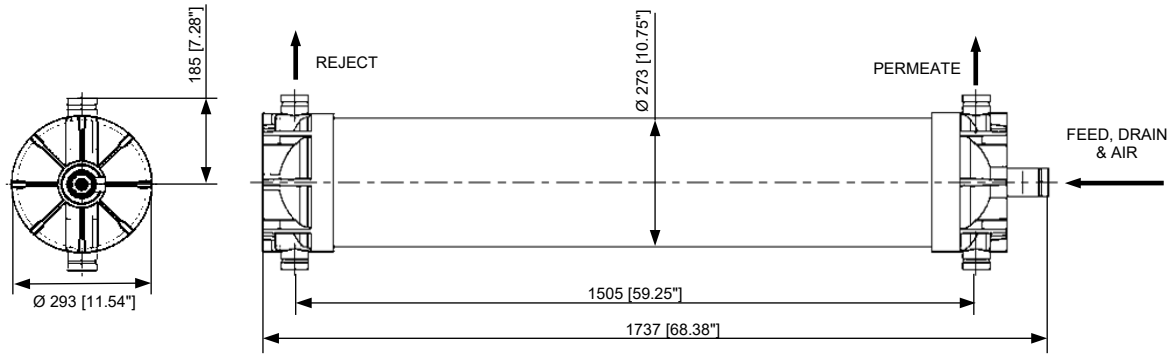
Filtrate Flow Range	0.6 - 4.8 m ³ /h (2.6 - 21.1 gpm)
Maximum Feed Pressure (at 20°C / 68°F)	5.0 bar (72.5 psi)
Maximum Feed Pressure (at 45°C / 113°F)	2.0 bar (29.0 psi)
Maximum Transmembrane Pressure	1 bar (14.5 psi)
Maximum Backflush Flow	14.4 m ³ /h (63.4 gpm)
Typical Air Scour Rate	10 Nm ³ /h (5.9 scfm)
Maximum Air Scour Pressure	0.6 bar (8.7 psi)
pH Range for Operation	2.0 - 10.0
Temperature Range	5 - 45°C (41 - 113°F)

CLEANING PARAMETERS

pH Range	1.0 - 10.0
Max. Temperature	45°C (113°F)
Max. Active Chlorine Concentration	100 ppm
Max. Active Chlorine Exposure	100,000 ppm-hours
Max. Hydrogen Peroxide Concentration	500 ppm
Max. Hydrogen Peroxide Exposure	500,000 ppm-hours



PHYSICAL DIMENSIONS



Dry Weight	48 kg (105.8 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:

MICRODYN AQUADYN® UA1060-HP modules must be handled and stored appropriately to ensure proper operation and to prevent membrane damage.

Installation and Start-up:

MICRODYN AQUADYN® UA1060-HP modules must be installed correctly before start-up.

Cleaning:

MICRODYN AQUADYN® UA1060-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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