

MICRODYN AQUADYN® UE1060-HP Hollow Fiber UF Modules

MICRODYN 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. MICRODYN 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 MICRODYN AQUADYN® UE1060-HP modules. This module can be used as a direct replacement for the MICRODYN 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

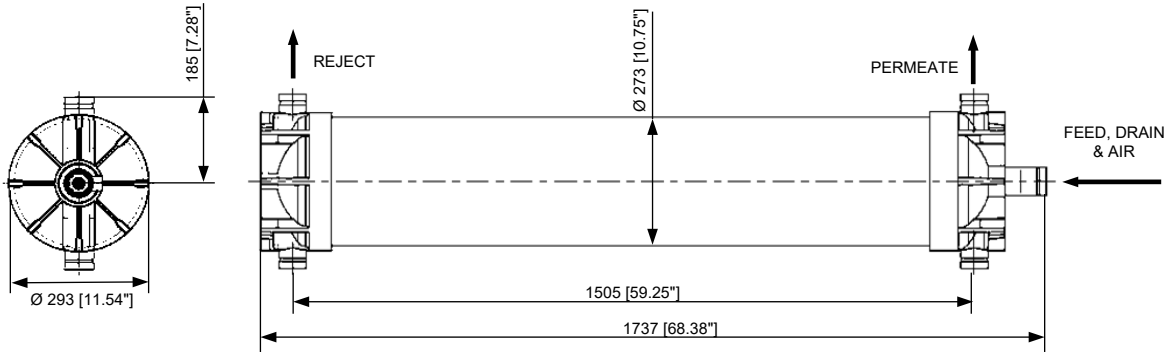
| | |
|--|--|
| Max. Water Flow | 1.6 - 6.6 m ³ /h (7.3 - 29.1 gpm) |
| Maximum Feed Pressure (at 20°C / 68°F) | 5.0 bar (72.5 psi) |
| Maximum Feed Pressure (at 45°C / 113°F) | 2.0 bar (29.0 psi) |
| Maximum Transmembrane Pressure | 1 bar (14.5 psi) |
| Maximum Backflush Flow | 13.2 m ³ /h (58.1 gpm) |
| 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:

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

Installation and Start-up:

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

Cleaning:

MICRODYN 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.

Contact

Europe

Germany: +49 611 962 6001
 Italy: +39 0721 1796201
 info@microdyn-nadir.com

Americas

USA: +1 805 964 8003
 sales.mnus@microdyn-nadir.com

Asia

Singapore: +65 6457 7533
 China: +86 10 8413 9860
 waterchina@mann-hummel.com