

HFU-1020AN

Pressurized Outside to In / Dead-end Filtration Ultrafiltration (UF) Membrane Module

Toray's hollow fiber PVDF UF membrane module effectively removes suspended solids and microorganisms such as pathogens when used for various types of water treatment. The flux rates of HFU-1020AN modules are ideal for smaller commercial systems.

Membrane Characteristics	Unit	Value
Membrane Material		PVDF (Polyvinylidene fluoride)
Nominal Pore Size	μm	0.01
Outer Membrane Surface Area	m ² (ft ²)	29 (312)
Operating Parameters	Unit	Value
Maximum Feed water / Filtrate Flow	m ³ /h (gpm)	4.8 (21)
Maximum Backwash Flow	m ³ /h (gpm)	5.4 (23)
Maximum Air Flow	Nm ³ /h (scfm)	9.0 (5.3)
Maximum Inlet Pressure	kPa (psi)	300 (43.5)
Maximum Backwash Pressure	kPa (psi)	300 (43.5)
Normal Operating Transmembrane Pressure	kPa (psi)	0–200 (0–29)
Operating Temperature Range	°C (°F)	0–40 (32–104)
pH Range	During Filtration	1–10
	During Cleaning	0–12

*Please contact Toray for operating manual and preliminary design, as capacity per module is highly dependent on feed water quality.



Product Certifications & Compliances

- NSF/ANSI 61 for drinking water applications
- NSF/ANSI 419 to comply with the U.S. EPA's Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR), which allows membrane manufacturers to prove Cryptosporidium reduction.
- Association of Membrane Separation Technology of Japan



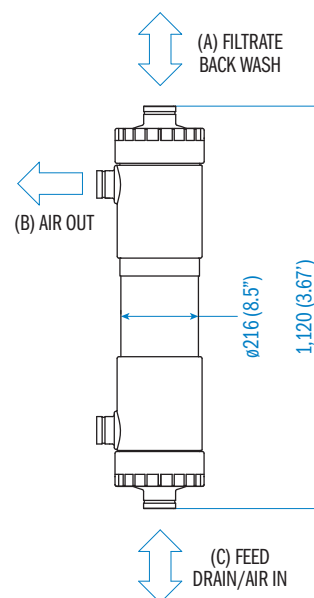
Applications

Drinking water, Industrial process water, Pretreatment for seawater RO desalination, Tertiary wastewater

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Dimensions and Weight		Unit	Value
Diameter		mm (in)	216 (8.5)
Length		mm (ft)	1,120 (3.675)
Weight	Full of Water	kg (lbs)	51 (112)
	After Draining	kg (lbs)	32 (71)
Connections			Value
(A) Filtrate Outlet			80A
(B) Air Outlet			65A
(C) Feed Water / Air Inlet			80A
Material Specifications			
Description			Material
Casing			uPVC
Cap			uPVC
Potting			Epoxy resin
O-ring			EPDM



Please contact Toray for more detailed drawing and dimensions.

Toray accepts no responsibility for results obtained by the application of this information or the safety or suitability of Toray's products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each product combination for their own purposes.

All data may change without prior notice, due to technical modifications or production changes. Please be sure to inquire about the latest product specifications.