

HFUG-B2315AN

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

The HFUG-B2315AN module is Toray's latest UF innovation that features hollow fibers with a smaller diameter but with improved membrane durability and performance. The result is an increased surface area per module for more production output.

Membrane Characteristics	Units	Value
Membrane Material		PVDF (Polyvinylidene fluoride)
Nominal Pore Size	μm	0.01
Outer Membrane Surface Area	m ² (ft ²)	75 (807)
Operating Parameters	Units	Value
Maximum Feed water / Filtrate Flow	m ³ /h (gpm)	12.5 (55)
Maximum Backwash Flow	m ³ /h (gpm)	13.8 (61)
Maximum Air Flow	Nm ³ /h (scfm)	6.7 (3.9)
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)	1–40 (34–104)
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

(Please contact Toray for details on the certified modules)

- NSF/ANSI/CAN 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

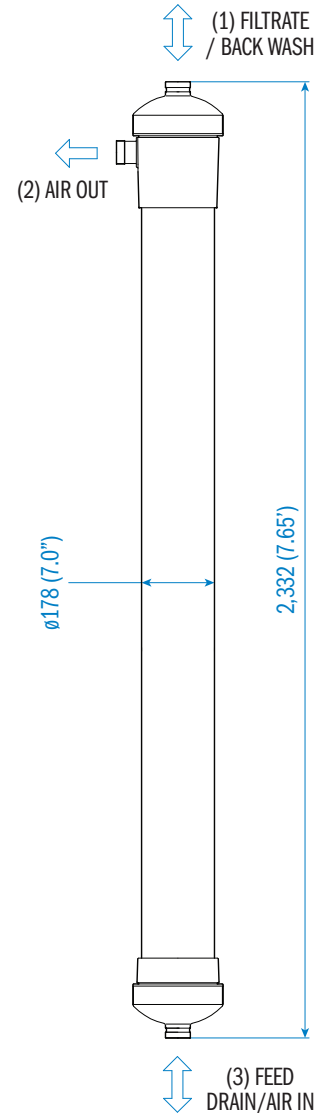
Drinking water, Industrial process water, Pretreatment for seawater RO desalination, Tertiary wastewater



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Dimensions and Weight		Unit	Value
Diameter		mm (in)	178 (7.01)
Length ^{*1}		mm (ft)	2,332 (7.651)
Weight	Full of Water	kg (lbs)	65 (143)
	After Draining	kg (lbs)	35 (77)
Connections ^{*2}		Value	
(1) Filtrate / Backwash		Housing type joint, 2 inches (U.S.)	
(2) Air Out		Screw, 2.3 inches (original)	
(3) Feed Drain / Air In		Housing type joint, 2 inches (U.S.)	
Material Composition ^{*3}			
Casing		uPVC	
Cap & Sockets		uPVC	
Potting		Epoxy resin	
O-ring		EPDM	



Please contact Toray for more detailed drawing and dimensions.

- *1 This model has 3 connection option (TYPE A/B/C).
The length above is for TYPE A. In case of TYPE B, 2,372mm (7.782ft) In case of TYPE C, 2,336mm (7.677ft).
- *2 The connections above is for TYPE A. TYPE B and C have different connection methods, so the value is different from TYPE A.
- *3 The Material Composition above is for TYPE A.

If you need TYPE B or C detail information, please contact Toray.

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.

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