

TORAY



NEW TIPS
HFUG-2020AN
HIGH SURFACE AREA

PVDF HOLLOW-FIBER MEMBRANE MODULE

ENHANCED FIBER TECHNOLOGY

Toray has developed and applied thinner membrane fibers that allow higher packing density (and more productivity) per module while maintaining the same durable membrane characteristics found in Toray PVDF membrane material.

Hollow-fiber membrane pore diameters



Enhanced fiber, Improved productivity, Hassle-free retrofit!

(of existing TORAYFIL HFU modules)

TORAYFIL™ Pressurized Hollow-fiber Membrane Module Specifications			
Module Part Number		HFUG-2020AN	HFU-2020AN
Nominal pore size µm		0.01	
Outer Membrane Surface Area m² (ft²)		90 (969)	72 (775)
Maximum Feed Water Flow m³/h (gpm)		15 (66)	12 (53)
Maximum Backwash Flow m³/h (gpm)		16.8 (74)	13.5 (59)
Maximum Air Flow Nm³/h (scfm)		9 (5.3)	9 (5.3)
Filtration Method		Pressure type / Outside to inside / Dead-end	
Dimensions	Diameter mm (in)	216 (8.5)	
	Length mm (ft)	2,160 (7.087)	
Weight kg (lbs)	Full of water	92 (203)	
	After draining	49 (108)	
Materials	Membrane	PVDF (Polyvinylidene fluoride)	
	Casing / Protective Cylinder	PVC (Polyvinychloride)	
	Potting	Epoxy resin	
Cap & Nut (housing)		Integrated	
Connection	Тор	Housing joints 80A	
	Bottom	Housing joints 80A	
	Side	Housing joints 65A	
Maximum inlet pressure kPa (psi)		300 (44)	
Maximum backwash pressure kPa (psi)		300 (44)	
Normal operating trans-membrane pressure kPa (psi)		0–200 (0–29)	
Operating temperature range °C (°F)		0-40 °C (32-104 °F)	
pH range	During filtration	1–10	
	During cleaning	0–12	

Specifications subject to change without notice

KEY BENEFITS

1. 30% smaller footprint design (compared to HFU as a rack)

2. 10% initial cost reduction (less pipes and valves)

3. Increased flow capacity

HFU"G" for gigantic performance!

Cap & nut for new AN-type are integrated into the housing



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