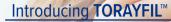






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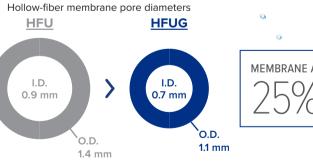


# NEW TIPS HFUG-2020AN HIGH SURFACE AREA

**PVDF HOLLOW-FIBER MEMBRANE MODULE** 

## ENHANCED FIBER TECHNOLOGY

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



# Enhanced fiber, Improved productivity, Hassle-free retrofit! Contact us:

(of existing TORAYFIL HFU modules)

 $\frac{25\%}{1000} \frac{72}{1000} \frac{m^2}{1000} \frac{90}{1000} \frac{m^2}{1000} \frac{m^2$ 



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TORAYFIL <sup>™</sup> Pres	surized Hollow-fiber Membrane Moc	lule Specifications	
Module Part Number		HFUG-2020AN	HFU-2020AN
Nominal pore size   µm		0.01	
Outer Membrane Surface Area   <b>m² (ft²)</b>		90 (969)	72 (775)
Maximum Feed Water Flow   m³/h (gpm)		15 (66)	12 (53)
Maximum Backwash Flow   <b>m³/h (gpm)</b>		16.8 (74)	13.5 (59)
Maximum Air Flow   <b>Nm³/h (scfm)</b>		9 (5.3)	9 (5.3)
Filtration Method		Pressure type / Outside to inside / Dead-end	
Dimensions	Diameter I <b>mm (in)</b>	216 (8.5)	
	Length   <b>mm (ft)</b>	2,160 (7.087)	
Weight <b>kg (Ibs)</b>	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   <b>kPa (psi)</b>		300 (44)	
Maximum backwash pressure   <b>kPa (psi)</b>		300 (44)	
Normal operating trans-membrane pressure   <b>kPa (psi)</b>		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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MC-MB2-AN-1907

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