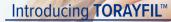






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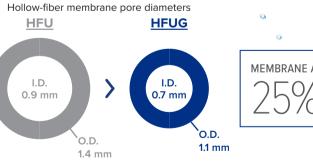


NEW TIPS HFUG-2020AN HIGH SURFACE AREA

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)

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



Chainaris Phuket Engineering Co., Ltd. 63/13 Moo.2, T.Vichit, A.Muang Phuket 83000 Tel. 076-513100-3 Fax. 076-513105 Line: @chainaris, @chainarisshop

| TORAYFIL [™] 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 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 I mm (in) | 216 (8.5) | |
| | Length mm (ft) | 2,160 (7.087) | |
| Weight kg (Ibs) | 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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MC-MB2-AN-1907

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