

PURON[®] Hollow Fiber Modules

Hollow Fiber Submerged Membrane Modules for MBR Applications

PRODUCT DESCRIPTION

| | |
|---|--|
| Membrane Chemistry: | Proprietary PVDF |
| Membrane Type: | Braided hollow fiber for outside-in operation |
| Fiber Support Chemistry: | Polyester |
| Nominal Pore Size: | 0.03 µm |
| Outside Fiber Diameter: | 0.1 inch (2.6 mm) |
| Regulatory Information: | Accepted by California Department of Public Health (CDPH) for compliance with California Water Recycling Criteria (Title 22) |
| Potting Material: | Proprietary epoxy compound |
| Module Frame Material: | 316 Stainless Steel |
| Permeate Collection Tube Material: | ABS, PVC, PE manifolds |
| Storage Solution: | Glycerin |

PRODUCT SPECIFICATIONS

| Model | Membrane Area ft ² (m ²) | Rows per Module |
|----------|---|-----------------|
| PSH 330 | 3,552 (330) | 8 |
| PSH 660 | 7,104 (660) | 16 |
| PSH 1800 | 19,375 (1,800) | 44 |

OPERATING AND DESIGN INFORMATION*

| | |
|---|---|
| Temperature Range: | 41 - 104°F (5 - 40°C) |
| Maximum Filtration Transmembrane Pressure: | 9 psi (0.6 bar) |
| Maximum Backflush Transmembrane Pressure: | 9 psi (0.6 bar) |
| Allowable pH Range for Cleaning: | 2.0 - 10.5 |
| Maximum Allowed Total Chlorine @ 95°F (35°C) or Lower: | 1,000 ppm @ pH 8 or higher during maintenance clean |
| Maximum Allowed Total Chlorine @ 95°F (35°C) or Lower: | 2,000 ppm @ pH 8 or higher during recovery clean |
| Maximum Allowed Total Chlorine Contact: | 1,000,000 ppm-hrs cumulative |

*Consult KSS Process Technology Group for specific applications.

NOMINAL DIMENSIONS

| Model | L | | W | | H | | Dry Weight | |
|----------|--------|-------|--------|-------|--------|-------|------------|-------|
| | inches | mm | inches | mm | inches | mm | Pounds | kg |
| PSH 330 | 35.67 | 906 | 35.16 | 893 | 98.25 | 2,496 | 771 | 350 |
| PSH 660 | 65.43 | 1,662 | 35.16 | 893 | 99.61 | 2,530 | 1,442 | 654 |
| PSH 1800 | 88.35 | 2,244 | 69.10 | 1,755 | 99.61 | 2,530 | 3,434 | 1,570 |

*See Outline drawings for details

CONNECTIONS

| Model | Permeate | | Air | |
|----------|------------------|----------|------------------|---------------|
| | Type | Size | Type | Size |
| PSH 330 | Grooved Coupling | 2" IPS | Grooved Coupling | 2" IPS |
| PSH 660 | Grooved Coupling | 3" IPS | Grooved Coupling | 3" IPS |
| PSH 1800 | Pipe | Ø 200 mm | Pipe | Ø 110 mm (2x) |

The information contained in this publication is believed to be accurate and reliable, but is not to be construed as implying any warranty or guarantee of performance. We assume no responsibility, obligation or liability for results obtained or damages incurred through the application of the information contained herein. Refer to Standard Terms and Conditions of Sale and Performance Warranty documentation for additional information

KOVALUS SEPARATION SOLUTIONS™, LLC. 850 Main Street, Wilmington, MA 01887

Main: +1-978-694-7000 • Toll Free: +1-888-677-5624

For complete contact information and listing of our global locations, visit www.kovalus.com

©2023 KOVALUS SEPARATION SOLUTIONS™, LLC. All rights reserved worldwide. For related patent and trademark information, visit www.kovalus.com/legal.