

PULSION® Hollow Fiber Modules

PURON® 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	
Part Number	Nominal Membrane Area ft ² (m ²)
LE 8	3,746 (348)
LE 16	7,492 (696)
LE 44	20,602 (1,914)

OPERATING & 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 Process Technology Group for specific applications.

NOMINAL DIMENSIONS & WEIGHT								
Model	L		W		H		Dry Weight	
	inches	mm	inches	mm	inches	mm	Pounds	kg
LE 8	36.4	925	37.0	940	104 $\frac{3}{8}$	2,652	1,300	590
LE 16	66.0	1,675	37.0	940	104 $\frac{3}{8}$	2,652	2,500	1,135
LE 44	88.9	2,258	70.0	1,780	104 $\frac{3}{8}$	2,652	6,070	2,754

* See Outline drawings for details

CONNECTIONS				
Model	Permeate		Air	
	Type	Size	Type	Size
LE 8	Grooved Coupling	2½" IPS	Grooved Coupling	1½" IPS
LE 16	Grooved Coupling	3" IPS	Grooved Coupling	2" IPS
LE 44	Grooved Coupling	4" IPS (2X)	Grooved Coupling	2½" IPS (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.