

# PULSION® Hollow Fiber Modules

## PURON® Hollow Fiber Submerged Membrane Modules for MBR Applications

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

PRODUCT SPECIFICATIONS	
Part Number	Nominal Membrane Area ft <sup>2</sup> (m <sup>2</sup> )
LE 8	3,746 (348)
LE 16	7,492 (696)
LE 44	20,602 (1,914)

OPERATING & DESIGN INFORMATION*	
<b>Temperature Range:</b>	41 - 104°F (5 - 40°C)
<b>Maximum Filtration Transmembrane Pressure:</b>	9 psi (0.6 bar)
<b>Maximum Backflush Transmembrane Pressure:</b>	9 psi (0.6 bar)
<b>Allowable pH Range for Cleaning:</b>	2.0 – 10.5
<b>Maximum Allowed Total Chlorine @ 95°F (35°C) or Lower:</b>	1,000 ppm @ pH 8 or higher during maintenance clean
<b>Maximum Allowed Total Chlorine @ 95°F (35°C) or Lower:</b>	2,000 ppm @ pH 8 or higher during recovery clean
<b>Maximum Allowed Total Chlorine Contact:</b>	500,000 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)

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