

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

Model	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:	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)	105.5	(2,679)	1,300	(590)
LE 16	66.0	(1,675)	37.0	(940)	105.5	(2,679)	2,500	(1,135)
LE 44	88.9	(2,258)	70.0	(1,780)	105.5	(2,679)	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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