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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 ft² (m²)	Rows per Module
PSH 330	3,552 (330)	8
PSH 660	7,104 (660)	16
PSH 1800	19,375 (1,800)	44

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 Inches (mm)	W Inches (mm)	H Inches (mm)	Dry Weight 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)	1,265 (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

	Permeate		Air	
Model	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)

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05/15 Rev 15-3