

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 95	1,020 (95)	3
PSH 440	4,735 (440)	14
PSH 520	5,597 (520)	14
PSH 1650	17,760 (1,650)	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 95	17.55	446	35.16	893	81.10	2,060	361	164
PSH 440	28.74	730	69.10	1,755	84.16	2,137	1,017	461
PSH 520	28.74	730	69.10	1,755	97.13	2,467	1,157	525
PSH 1650	88.35	2,244	69.10	1,755	95.81	2,434	3,261	1,479

*See Outline drawings for details

CONNECTIONS				
Model	Permeate		Air	
	Type	Size	Type	Size
PSH 95	Flange	DN 50	Flange	DN 50
PSH 440	Grooved Coupling	3" IPS	Grooved Coupling	2" IPS (2x)
PSH 520	Grooved Coupling	3" IPS	Grooved Coupling	2" IPS (2x)
PSH 1650	Grooved Coupling	6" IPS	Grooved Coupling	3" IPS (2x)

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