DATASHEET

KOVALUS Separation Solutions™

PURON® HF High Flow Rows

Hollow Fiber Submerged Membrane Row for Water and Wastewater Treatment Applications

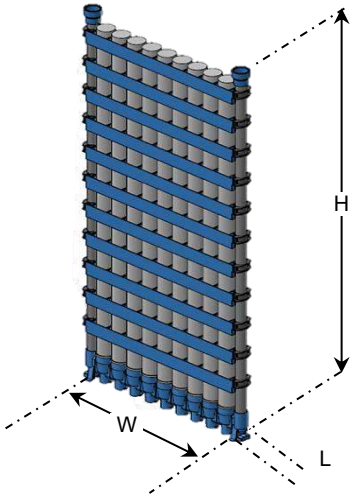
PRODUCT DESCRIPTION	
Membrane Chemistry:	Proprietary PVDF
Membrane Type:	Braided hollow fiber for outside-in operation
Fiber Support Chemistry:	Polyester
Nominal Pore Size:	0.03 µm
Outside Fiber Diameter:	0.1 inch (2.6 mm)
Regulatory Information:	Accepted by California Department of Public Health (CDPH) for compliance with California Water Recycling Criteria (Title 22) Components of products classified by UL to NSF/ANSI Standard 61 and in accordance with NSF/ANSI Standard 372
Potting Material:	Proprietary epoxy compound
Storage Solution:	Glycerin

PRODUCT SPECIFICATIONS	
Model	**Membrane Area ft² (m²)**
PHF 49*	527 (49)
PHF 53	570 (53)

OPERATING AND DESIGN INFORMATION*	
Temperature Range:	41 - 104°F (5 - 40°C)
Maximum Filtration Transmembrane Pressure:	11.5 psi (0.8 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.
**Dependent on atmospheric conditions

NOMINAL DIMENSIONS



Model	L		W		H		Dry Weight		Connection
	inches	mm	inches	mm	inches	mm	Pounds	kg	Type
PHF 49	3.14	80	32.60	828	84.49	2,146	61.7	28	D40 union
PHF 53	3.14	80	32.60	828	88.39	2,245	68.3	31	Custom socket

All connections: d40 threaded union

TRANSPORT AND STORAGE CONDITIONS

Storage of Unused PURON® HF Rows

PURON rows should be stored within a temperature range of 41 to 77°F (5 to 25°C) in the original packaging material. Extended exposure to UV source must be avoided. The PURON® rows must not be stored for longer than 12 months after delivery.

Transport of PURON HF Rows

During transport, PURON rows should be stored within a temperature range of 23 to 113°F (-5 to 45°C), but they should not be kept at temperature outside the normal storage range of 41 to 77°F (5 to 25°C) for more than 6 weeks.

When the PURON rows are being transported by ship, the PURON row should be placed in seaworthy packaging and stored at ambient temperature, provided that such temperature is within the temperature range specified herein.

Dry-Out Protection and Storage of Used PURON HF Rows

Once a PURON row has been immersed in an aqueous medium, it should never be stored dry. If storage is necessary, the row must be kept wet by keeping it submerged in a storage solution. Please consult KSS for more details in case of short- or long-term storage of your PURON rows.

If used PURON rows are permitted to dry out, membrane performance, such as permeability, may be adversely affected. Please consult KSS to see what steps may be taken to try to reverse such negative effects.

Proper Handling of PURON HF Rows

Utmost care should be taken at all times when handling the PURON row. Collisions, impact or hitting the ground in a rough manner may damage rows or connections.

Keep the PURON rows free from contact with sharp or abrasive objects or exposure to heat sources. Actions that may cause sparks (e.g. welding, grinding) should be strictly prohibited in the vicinity of the rows.

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
©2025 KOVALUS SEPARATION SOLUTIONS™, LLC. All rights reserved worldwide. For related patent and trademark information, visit www.kovalus.com/legal.