DATASHEET

PURON® Hollow Fiber Rows

Hollow Fiber Submerged Membrane Row in a Double Header Configuration

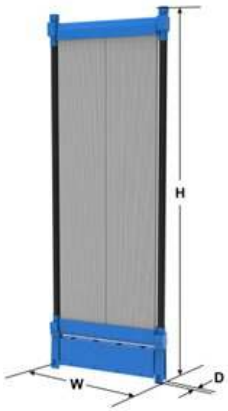
PRODUCT DESCRIPTION	
Membrane Chemistry:	Proprietary PVDF
Membrane Type:	Braided hollow fiber for outside-in operation
Fiber Support Chemistry:	Polyester
Nominal Pore Size:	0.03 µm
Outside Fiber Diameter:	0.09 inch (2.2 mm)
Potting Material:	Proprietary epoxy compound
Storage Solution:	Glycerin

PRODUCT SPECIFICATIONS	
Model	**Membrane Area m^2 (ft^2)**
PDH LE ROW	54.5 (587)

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 Process Technology Group for specific applications.

NOMINAL DIMENSIONS



	D		W		H		Dry Weight	
Model	**inches**	**mm**	**inches**	**mm**	**inches**	**mm**	**Pounds**	**kg**
PDH LE ROW	3.7	95.0	32.0	813.5	95.2	2,419	84	38

- Permeate and Air connections are inserts
- Permeate and Air pipe material is PVC

TRANSPORT AND STORAGE CONDITIONS:

Storage of Unused PURON® 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® 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

Once the PURON® row has been immersed in an aqueous medium, it should never be stored dry. If the membrane plant is not operated for 7 days or less, the row may be kept wet by keeping it submerged in the biomass, provided the following conditions are met:

- The biomass is healthy and is aerated and the recirculation of biomass over the membrane chamber is functioning properly.
- The row is fully submerged in the biomass.
- The row aeration is switched on every 30 minutes for a period of 1 minute to assure mixing of sludge inside the row.

Storage of Used Rows

If the shutdown period is longer than 7 days, immersion in a storage solution is required. Please consult KSS for more information.

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® 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
©2026 KOVALUS SEPARATION SOLUTIONS™, LLC. All rights reserved worldwide. For related patent and trademark information, visit www.kovalus.com/legal.