



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 μ m
Outside Fiber Diameter:	0.1 inch (2.6 mm)
Regulatory Information:	<ul style="list-style-type: none"> - 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 ft ² (m ²)
PHF 49*	527 (49)
PHF 53	570 (53)

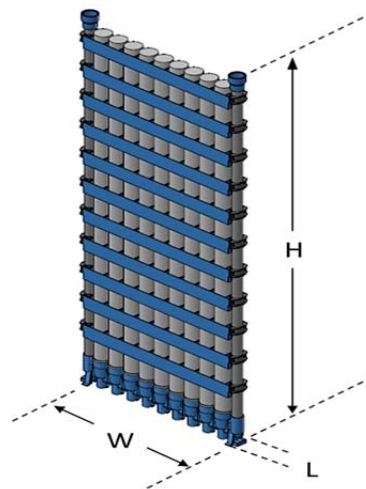
OPERATING & DESIGN INFORMATION*

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:	500,000 ppm-hrs cumulative

* Consult Process Technology Group for specific applications.

** Dependent on atmospheric conditions

NOMINAL DIMENSIONS & WEIGHT



Model	L Inches (mm)	W Inches (mm)	H Inches (mm)	Dry Weight Pounds (kg)	Connection 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

Module Transport and Storage Conditions:

Storage of Unused PURON HF Modules

PURON modules 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 modules must not be stored for longer than 3 months after delivery.

Transport of PURON HF Modules

During transport, PURON modules 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 modules are being transported by ship, the PURON module 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 Modules

Once a PURON module has been immersed in an aqueous medium, it

should never be stored dry. If storage is necessary, the module must be kept wet by keeping it submerged in a storage solution. Please consult KMS for more details in case of short or long term storage of your PURON modules.

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

Proper Handling of PURON HF Modules

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

Keep the PURON modules 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 modules.

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

Koch Membrane Systems, Inc., www.kochmembrane.com

Corporate Headquarters: 850 Main Street, Wilmington, Massachusetts 01887-3388, US, Tel. Toll Free: 1-888-677-5624, Telephone: 1-978-694-7000, Fax: 1-978-657-5208
European Headquarters: Koch Chemical Technology Group Ltd., Units 3-6, Frank Foley Way, Stafford ST16 2ST, GB, Telephone: +44-178-527-2500, Fax: +44-178-522-3149

• Aachen DE • Lyon FR • Madrid ES • Milan IT • Wijnegem BE • Beijing & Shanghai CN • Mumbai & Chennai IN • Melbourne & Sydney AU • Singapore • Sao Paulo BR • Manama BH •

PURON is a registered trademark of Koch Membrane Systems, GmbH in Germany and other countries.
The FLOW LINES DESIGN is a trademark of Koch Membrane Systems, Inc. and the STYLIZED K is a trademark of Koch Industries, Inc.
Koch Membrane Systems, Inc. is a Koch Chemical Technology Group, LLC company.

© 2014 Koch Membrane Systems, Inc. All rights reserved worldwide.

04/14 Rev. 14-1