

ABCOR[®] - FEG[™] PLUS MODULE: 10-HFM-251-ILT

Industrial Tubular Ultrafiltration One-Inch Modules in Stainless Steel Housing

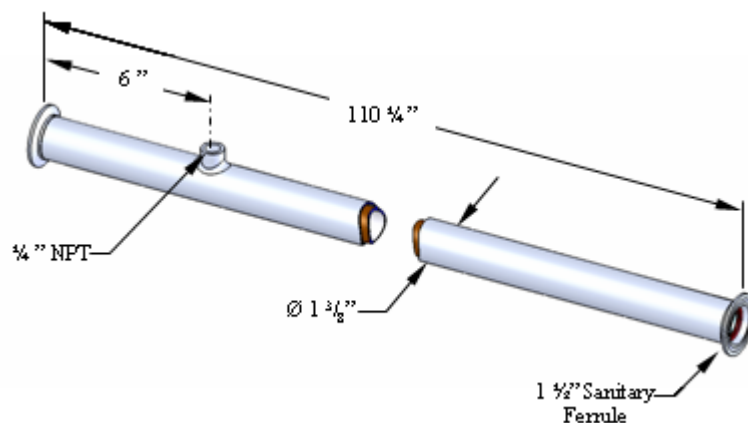
PRODUCT DESCRIPTION	KMS Part Number (KPN):	0711469
	Membrane Chemistry:	PVDF
	Membrane Type:	HFM (neutral)
	Membrane Area:	2.2 ft ² (0.20 m ²)
	Molecular Weight Cut-off:	100,000 Dalton (nominal)
	Housing Construction:	Stainless Steel
	Seal:	Viton [®] Bootie
	Gasket:	Viton [®]
	Interconnecting Components:	See Reverse

OPERATING & DESIGN INFORMATION*	Maximum Inlet Pressure:	60 psi @ 150°F (4.1 bar @ 65.5°C)
	Minimum Outlet Pressure:	10 psi (0.7 bar)
	Maximum Operating Temperature (at pH 8.0):	150°F (65.5°C)
	Maximum Permeate Side Back Pressure:	5 psi (0.3 bar)
	Maximum Feed Side Pressure Drop:	7 psi @ 150°F (0.5 bar @ 65.5°C)
	Allowable pH - Continuous Exposure:	2.0 - 10.0 @ 150°F (65.5°C)
	Allowable pH - Short Term Exposure:	1.5 - 10.5 @ 150°F (65.5°C)

* Consult KMS Process Technology for specific applications.

FEED FLOW VS. PRESSURE DROP	Circulation Flow		Crossflow Velocity		Pressure Drop	
	gpm	m ³ /hr	fps	m/s	psi	bar
	19	4.3	7.8	2.4	2.0	0.14
	30	6.8	12.3	3.7	4.3	0.29
	38	8.6	15.5	4.7	6.0	0.41

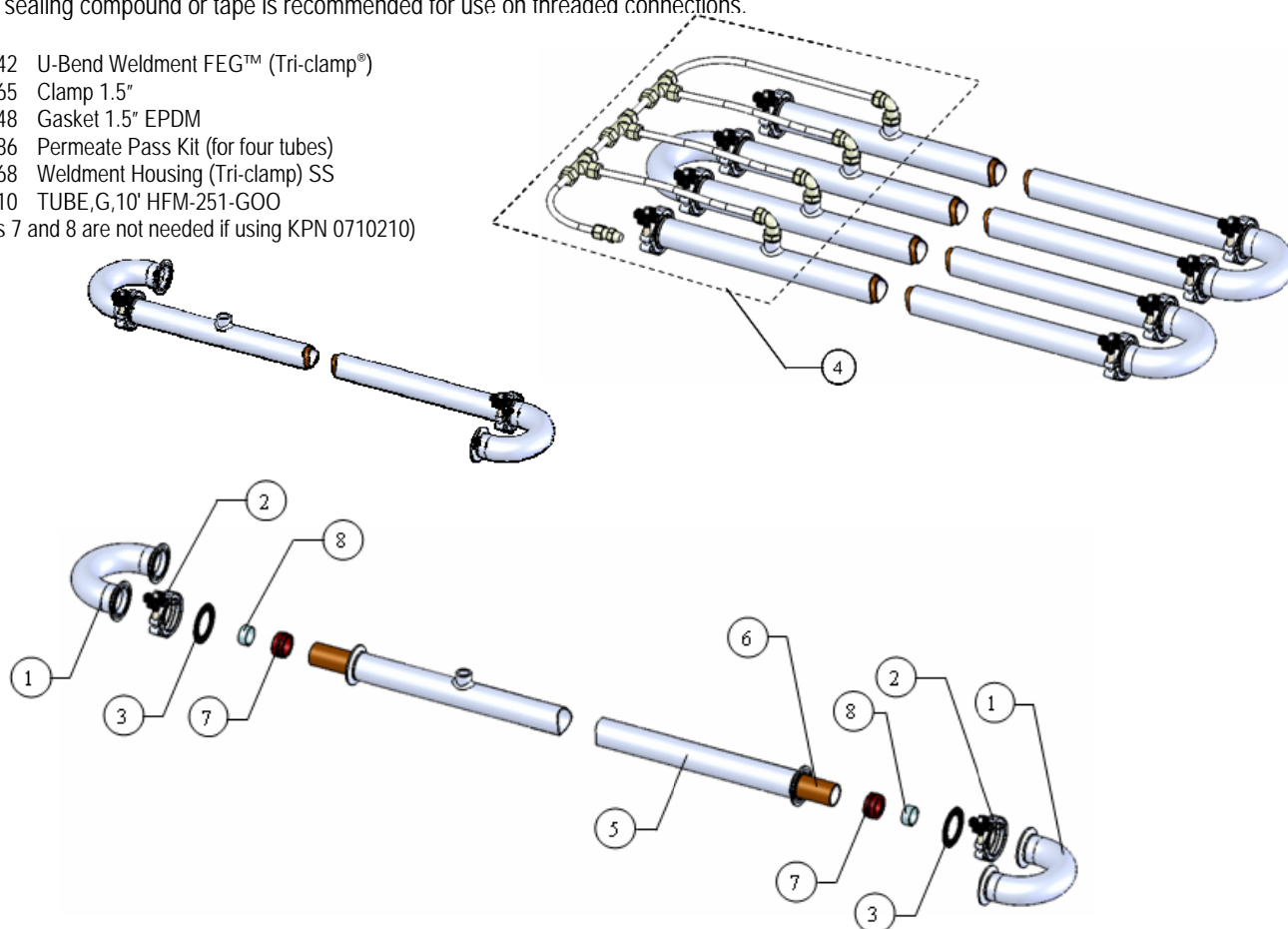
NOMINAL DIMENSIONS



ANCILLARY PARTS

KMS recommends that these membranes be used with KMS supplied ancillary parts. Sealing is provided by o-rings and gaskets. No additional sealing compound or tape is recommended for use on threaded connections.

- 1 0020442 U-Bend Weldment FEG™ (Tri-clamp®)
 - 2 0210465 Clamp 1.5"
 - 3 0020448 Gasket 1.5" EPDM
 - 4 0211786 Permeate Pass Kit (for four tubes)
 - 5 0020468 Weldment Housing (Tri-clamp) SS
 - 6 0710210 TUBE,G,10' HFM-251-GOO
- (Note items 7 and 8 are not needed if using KPN 0710210)



MEMBRANE INCOMPATIBILITY

Prior to exposing the membranes to any chemical, the chemical should be reviewed by Koch Membrane Systems, Inc. Certain chemicals may affect membrane performance and integrity.

Chemicals that should be avoided include the following:

Synthetic coolants, semi-synthetic coolants, kerosene, naphtha, gasoline, floc polymers.

Aprotic Solvents (e.g., Dimethyl Formamide, Dimethyl Acetamide, N-Methyl Pyrolidine)

Chlorinated Solvents (e.g., Methylene Chloride, chloroform, Carbon Tetrachloride)

Ketones (e.g., Acetone, Diacetone Alcohol)

Silicones or Silicone based Defoamers (e.g., Siloxane)

Koch Membrane Systems, Inc. must review operating and cleaning conditions for all new plants as well as changes to any existing plants. Data based on water at 77° F and a specific gravity of 1.0. Circulation rates exhibit variances of 15%.

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 •

The FLOW LINES DESIGN and Abcor are registered trademarks of Koch Membrane Systems, Inc. in the US and other countries.

The STYLIZED K is a registered trademark of Koch Industries, Inc. in the US and other countries.

Viton® is a registered trademark of DuPont Dow Elastomers, LLC

Koch Membrane Systems, Inc. is a Koch Chemical Technology Group, LLC company.

© 2012 Koch Membrane Systems, Inc. All rights reserved worldwide. 04/12