Industrial filtration

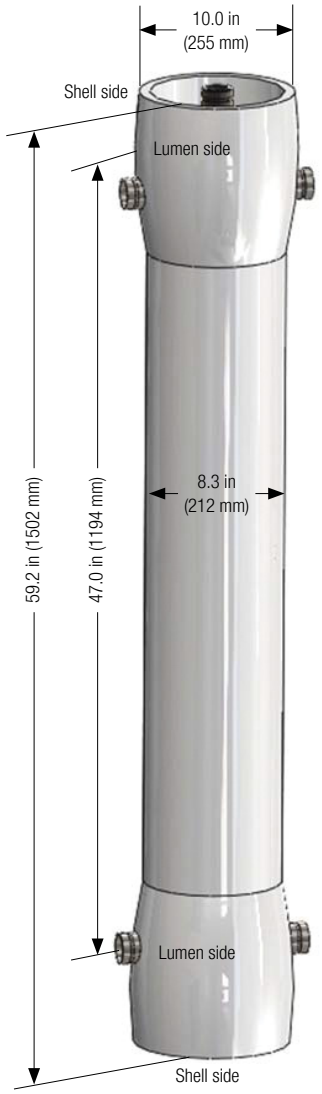
Liqui-Cel EXF 8×40 membrane contactors

Thermo Scientific™ Liqui-Cel™ Membrane Contactors provide high-performance dissolved gas control in a compact design. Utilizing hollow fiber membrane technology, Thermo Scientific membrane contactors remove dissolved gases from or add gases to compatible liquid streams in-line and without chemicals to help facilities around the world improve operating efficiency and protect product quality in many industrial processes.

Typical properties

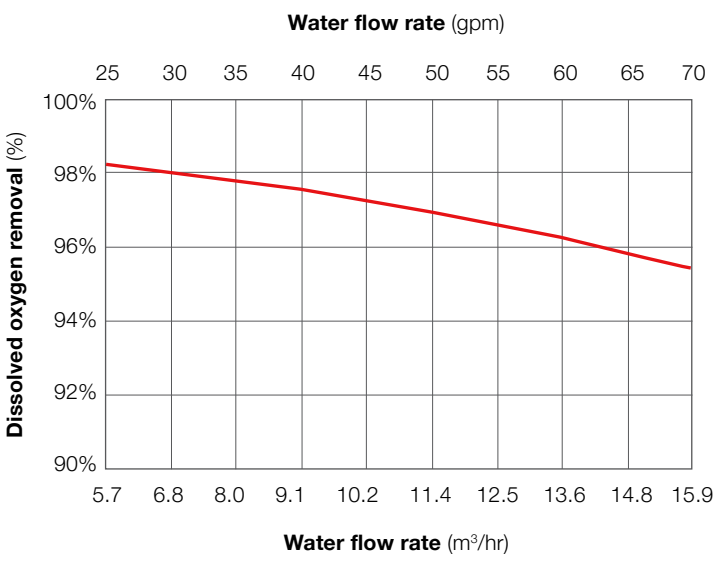
Membrane characteristics	
Cartridge configuration	Extra-flow with center baffle
Liquid flow guidelines	25 - 70 gpm (5.7 - 15.9 m^3/hr)
Membrane/potting material	Polypropylene/epoxy
Membrane type	X40 fiber
	X40 fiber recommended for O_2 removal from compatible liquid streams
Priming volume (approximate)	
Shell side	4.1 gal (15.4 L)
Lumen side	3.6 gal (13.6 L)
Operating parameters	
Pressure guidelines*	X40 fiber
Maximum shell side LIQUID operating temperature/pressure	
41 - 77°F (5 - 25°C)	300 psig (20.7 barg)
140°F (60°C)	190 psig (13.1 barg)
185°F (85°C)	30 psig (2.1 barg)
Maximum lumen side GAS operating temperature/pressure	
41 - 77°F (5 - 25°C)	30 psig (2.1 barg)
*Note: Liquid pressure should always exceed gas pressure in operation.	
Housing characteristics	
Material	Fiber Reinforced Plastic (FRP) FRP Vessel code-rated to ASME BPVC Section X
Port connections	
Shell side (liquid inlet/outlet)	1.5-inch grooved pipe fitting
Lumen side (inlet/outlet)	1.5-inch grooved pipe fitting
Seal material options for shell side wetted parts	
EPDM	
Mounting kit	
Contains 2 cradles and 2 straps sold separately and will hold the contactor horizontally or vertically	
Weight (approximate)	
Dry	78 lbs (35 kg)
Water-filled (shell side)	110 lbs (50 kg)

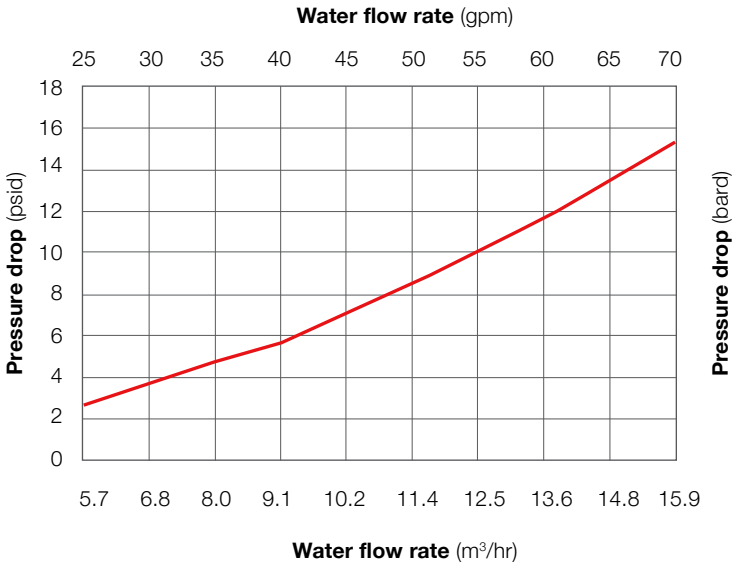
Not for consumer sale or use.



Note: All dimensions are nominal values. See housing drawings for additional dimensional details.

Typical properties





Notes

- Curves represent nominal values with FRP housing using water at 68ºF (20ºC). Characteristics may change under different operating conditions.
- Test condition O_2 removal with X40 membrane: N_2-vacuum combo mode, vacuum: 50 torr vacuum, N_2 sweep 0.5 SCFM at 99.999% purity.
- These charts should not be used to design systems.

Intended Use: Liqui-Cel membrane contactors are intended to remove dissolved gases and bubbles from liquids or to add gases to a liquid stream. Liqui-Cel membrane contactors are for use in industrial separation applications of industrial fluids only, in accordance with the applicable product instructions, specifications, and where materials of construction are compatible. Liqui-Cel membrane contactors may further be used in the production of water for various pharmaceutical products upstream of the final water sterilization step.

Since there are many factors that can affect a product's use, the customer and user remain responsible for determining whether the Thermo Scientific product is suitable and appropriate for the user's specific application, including user conducting an appropriate risk assessment and evaluating the Thermo Scientific product in user's application.

Restrictions on Use: Thermo Fisher Scientific Inc. advises against the use of these Thermo Scientific products in any application other than the stated intended use(s) since other applications have not been evaluated by Thermo Fisher and may result in an unsafe or unintended condition. Do not use in any manner whereby the Thermo Scientific product, or any extractable or leachable from the Thermo Scientific product, may become part of or remain in a medical device, drug, cosmetic, supplement, infant formula; or in applications involving life-sustaining medical applications or prolonged contact with internal bodily fluids or tissues.

Liqui-Cel EXF 8×40 products are not for use in food contact applications.

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by Thermo Fisher are based upon records, tests, or experience that Thermo Fisher believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with sufficient knowledge and technical skills to assess and apply their own informed judgment to the information. No license under any Thermo Fisher or third party intellectual property rights is granted or implied with this information.

Product Selection and Use: Many factors beyond Thermo Fisher's control and uniquely within user's knowledge and control can affect the use and performance of a Thermo Scientific product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application. Failure to properly evaluate, select, and use a Thermo Scientific product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

For more information contact your Thermo Fisher Scientific sales representative or visit **thermofisher.com/industrialfiltration**

© 2026 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. **DTAS-14229620 GBL 0526**