Alfa Laval LowResist™ Mini module

Tiny membrane filtration module for MBR and other MF/UF processes

Introduction

The Alfa Laval LowResist™ Mini module is made for short term and/or small-scale test work with endless application possibilities.

The module is a perfect partner for universities, R&D institutions and companies looking to explore MBR (Membrane Bio Reactor) technology, new wastewater treatment applications or specific filtration treatments.

The LowResist™ Mini module is easily fitted in a tank with 1" connections: 2 for permeate and 2 for air feed. This ensures a close mimic of the operation by the larger Alfa Laval LowResist™ modules and allows for up-scaling after a test.

Applications

The Alfa Laval LowResist™ Mini module is used as a submerged membrane filtration module for concentration/ clarification of wastewater or other fluids in MBR or other micro/ultrafiltration processes.

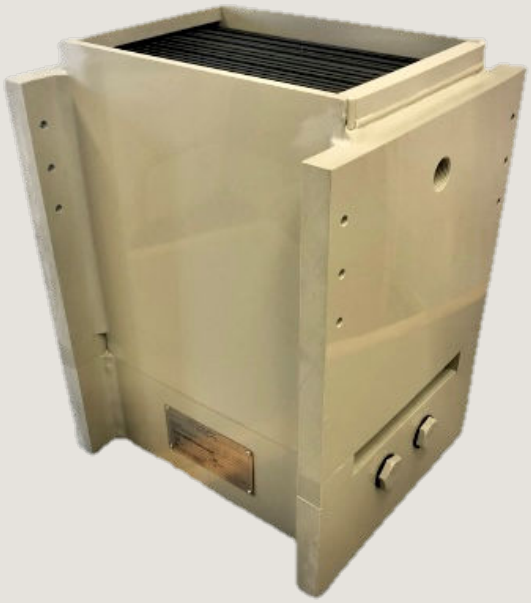
Benefits

- works at very low pressure (10–150 mbar)
- can be lifted manually and installed in laboratory configuration or close to the feed to be filtered

Module and membranes description

The Alfa Laval LowResist™ Mini module is constructed with small plates holding a total membrane area of 3.65 m^2 for typical working flows of 20 to 120 l/h.

The membrane type installed is a standard PVDF-based MFP membrane with a pore size of 0.10 –0.20 µm. Other membrane types can be tested on demand.



Operating data

Maximum temperature	50°C
pH range	1–11
Scouring air flow	6–10 Nm^3/h

Size and weight

Size, cm	44.3 x 46 x 36.5 (L x H x W)
Weight, kg	15

Material

Membrane	Polyvinylidene fluoride (PVDF)
Module	Polypropylene (PP)

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How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com