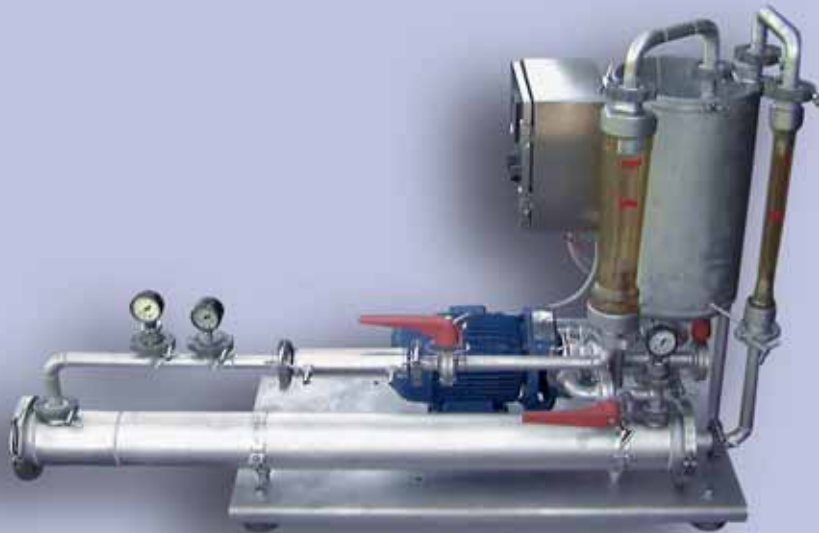




Alfa Laval PilotUnit 4" UF/MF

Pilot laboratory equipment for membrane filtration



The Alfa Laval PilotUnit 4" UF/MF is a desktop laboratory unit in a handy and compact design. It holds a 4" spiral element for ultrafiltration or microfiltration with a membrane area of up to 7 m².

The Alfa Laval PilotUnit 4" UF/MF is ideal for ultrafiltration and microfiltration tests of system configurations, as well as for pilot and small-scale production.

Alfa Laval also provides tailor-made system solutions for individual requirements.

Spiral element options

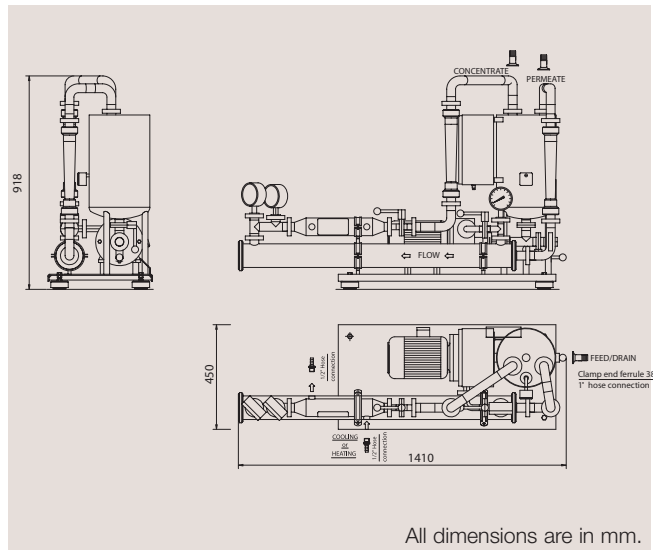
The element housing in the Alfa Laval PilotUnit 4" UF/MF is 965 mm long and is specially designed for the Alfa Laval 3.8" ultrafiltration and microfiltration spiral elements.

For further information, please consult the product descriptions for the Alfa Laval sanitary spiral elements.

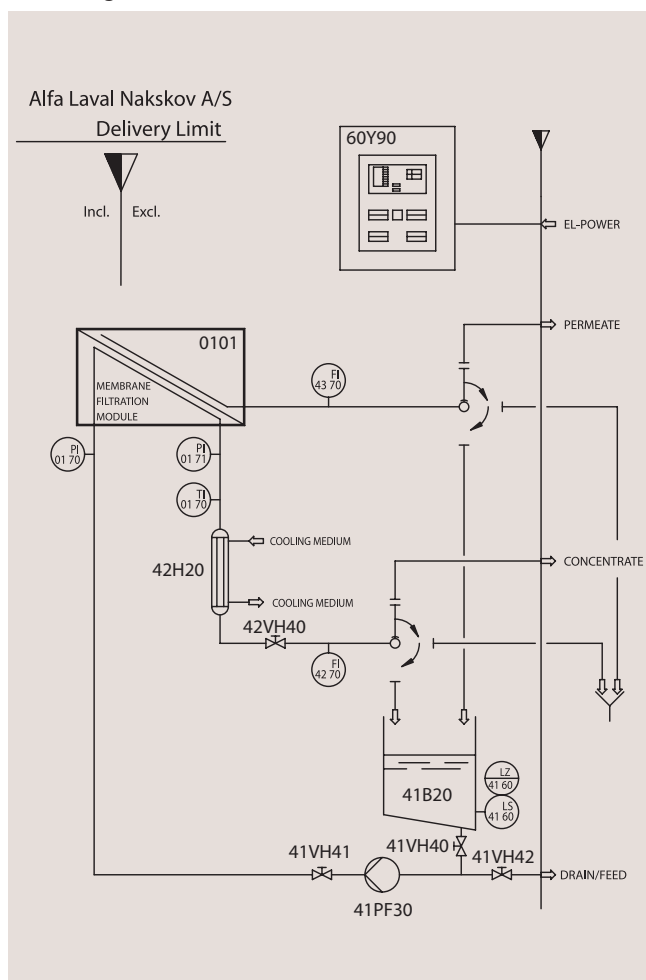
Advantages

- Versatile filtration properties
 - up to 7 m² membrane area
 - test of different spiral element types
 - system configuration and comparison tests
 - product volumes ranging from 20 to 1,000 litres
- Sanitary design with all materials in compliance with FDA regulations
- Rapid, easy exchange of spiral element
- Operation at pH 1-13, and pressures of up to 6 bar
- Complete unit with pump, valves, instrumentation, tank, etc. Needs only a power supply, water, and feed product to operate

Dimensions



Flow diagram of Alfa Laval PilotUnit 4" UF/MF



Alfa Laval PilotUnit 4" UF/MF data

Feed/drain	Ø38/34 for welding or outer diameter 28 mm
Retentate	hose connection
Permeate	1/2" BSP female or outer diameter 14 mm hose connection
Cooling/heating water	20 l
Tank capacity	90 kg
Weight, empty	110 kg (inclusive of 15 litres in tank)
Weight, liquid filled	

Pump data

Make	HILGE
Type	Hygiana-BLOC I/3
Capacity	6 m³/h at 5 bar
Product wetted parts	Acid resistant AISI 316
Motor size/speed	2.2 kW/2800 rpm

Instrumentation

Pressure gauge, 0-10 bar	Module inlet
Pressure gauge, 0-10 bar	Module retentate
Temperature gauge, 0-100 °C	Module retentate
Flow meter, 630-6300 l/h	Module retentate
Flow meter, 40-600 l/h	Module permeate

Code no.: 521939

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