ULTRADYN™ FS10LFC-FUS1582
Ultrafiltration Modules

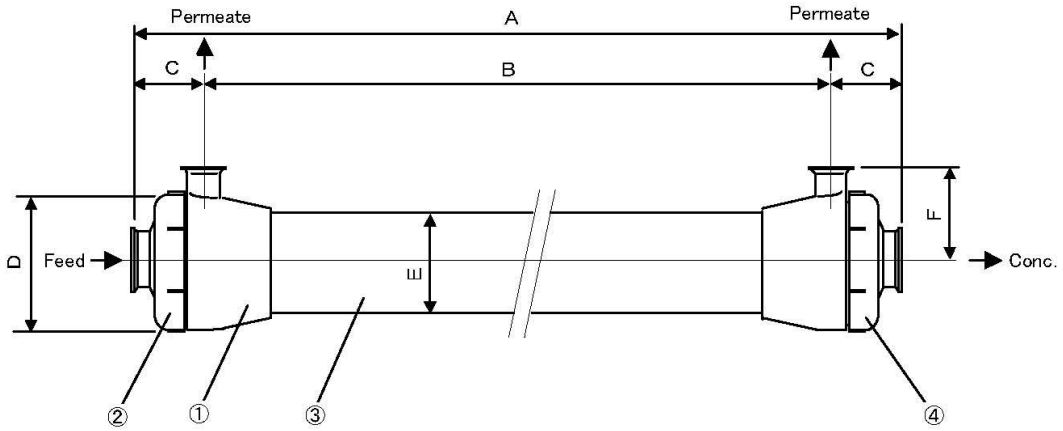
High mechanical strength, backwashable membrane in a wide range of membrane types make ULTRADYN™ hollow fiber modules suitable for all applications requiring a high level of purification and high packing density. ULTRADYN modules are available with polyethersulfone (PES), polyacrylonitrile (PAN) and cellulose tri-acetate (CTA) hollow fiber membrane types and in configurations that can be sterilized with hot water up to 98 °C, eliminating bacterial growth and preventing fouling.

ULTRADYN modules are available with a hollow fiber inner diameter range from 0.5 to 1.4 mm, and module size range from 0.1 m² to 17 m². ULTRADYN hollow fiber modules have proven particularly successful in applications such as pure water filtration, pharmaceuticals, electronics, and surface water treatment.

MEMBRANE CHARACTERISTICS

Membrane Chemistry	Polyethersulfone (PES)
Molecular Weight Cut-Off	150,000 Dalton
Hollow Fiber Inner Diameter	0.8 mm

PHYSICAL DIMENSIONS



	A	B	C	D	E	F
Dimension – mm (inches)	1,155 (45.5)	985 (38.8)	85 (3.3)	130 (5.1)	89 (3.5)	100 (3.9)

Item	Description	Material	Quantity
1	Nozzle Cap	Polysulfone	2
2	Cap	Polysulfone	2
3	Case	Polysulfone	1
4	O-Ring type WG-21	Fluoro-rubber (FPM)	2
-	Potting Resin	Epoxy Resin	-

MICRODYNNADIR
A MANN+HUMMEL Company

OPERATING PARAMETERS & MODULE SPECIFICATIONS

Membrane Area	5.0 m^2 (53.8 ft^2)
Standard Water Flux[a]	5.3 m^3/h (23.3 gpm)
Shipping Water Flux[a]	4.0 m^3/h (17.6 gpm)
Maximum Feed Inlet Pressure[b]	6 bar (87 psi)
Maximum Transmembrane Pressure	3 bar (44 psi)
Maximum Temperature	98°C (208°F)
Applicable pH range	1 ~ 13
Standard Inlet Feed Flow[c]	3.8 m^3/h (16.7 gpm)
Operating Weight	8.5 kg (18.7 lb)
Shipping Weight	2.5 kg (5.5 lb)
Standard Preservative	1000 ppm Benzoic acid
Feed/Conc. Connectors	1S Ferrule
Permeate Connectors	1S Ferrule

a Initial water flux by dead end filtration with pure water under TMP 0.1 MPa at 25°C.
b Standard condition is adjusted to 1 m/sec feed velocity. The optimum velocity is different for each application.
c This value is applicable at 25°C.
d Maximum pressures depend on operating temperature. See instruction manual for further information.
* DAICEN Membrane Systems Ltd. is the manufacturer of the ULTRADYN modules and markets and distributes them under the registered trademark MOLSEP®.

CUSTOMIZABLE SPECIALTY ELEMENTS

MICRODYN-NADIR offers a full range of membranes and element designs for challenging water and process applications. Technologies include low-fouling RO, submerged UF, continuous high temperature, ultra-high pressure, unique sanitary designs and more. Contact MICRODYN-NADIR to customize a product that satisfies your specific requirements.

Contact

Europe
Germany: +49 611 962 6001
Italy: +39 0721 1796201
info@microdyn-nadir.com

America
USA: +1 805 964 8003
Brazil: +55 11 3378 7500
info@microdyn-nadir.com

Asia
China: +86 592 677 5500
Singapore: +65 6457 7533
infochina@microdyn-nadir.cn

DATE: 07/01/2019

MICRODYNNADIR
A MANN+HUMMEL Company

MICRODYNNADIR
A MANN+HUMMEL Company