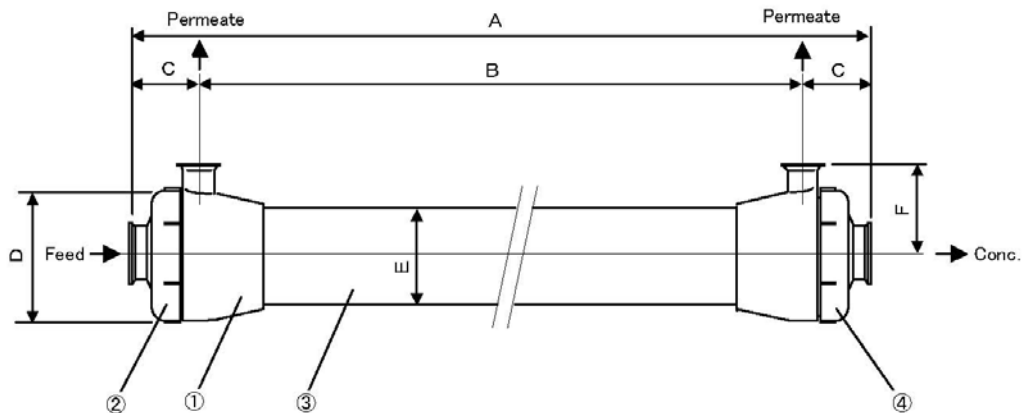


ULTRADYN PRODUCTS SPECIFICATION

- HOLLOW FIBER UF MEMBRANE MODULE -

FE10-FC-FUY03A1



| Module | | A | B | C | D | E | F |
|-----------|----|-------|-----|------|-----|----|----|
| Dimension | mm | 1,126 | 985 | 70.5 | 130 | 89 | 85 |

| Module components | | | |
|-------------------|-------------------|-------------|------|
| Article | Name | Material | Num. |
| ① | Nozzle cap | Polysulfone | 2 |
| ② | Cap | Polysulfone | 2 |
| ③ | Case | Polysulfone | 1 |
| ④ | O-Ring type WG-21 | FPM | 2 |
| - | Potting resin | Epoxy resin | - |

| Accessoires | | | |
|-------------|--|------------|------|
| Article | Name | Material | Num. |
| 1) | Feed/Conc. port joints | PVC, TS 40 | 2 |
| 2) | Permeate port joints | PVC, TS 25 | 2 |
| 3) | O-Ring type G-95 for V-band fitting | FPM | 2 |

FPM: Fluoro rubber

PVC: Polyvinyl chloride

| Standard configurations | | | |
|--|---|-------------------|--|
| Filtration type | Ultrafiltration | | |
| Membrane material | Polyacrylonitrile | | |
| Molecular cutoff | 30,000 | Dalton | |
| Hollow fiber inner diameter | 1.0 | mm | |
| Membrane area | 4.2 | m ² | |
| Standard water flux ⁽¹⁾ | 1.3 | m ³ /h | |
| Shipping water flux range ⁽¹⁾ | 0.9 | m ³ /h | |
| Feed inlet pressure, max. ⁽³⁾ | 0.6 | MPa | |
| Transmembrane pressure, max. | 0.3 | MPa | |
| Temperature, max. | 45 | °C | |
| Applicable pH range | 2 ~ 11 | | |
| Standard inlet feed flow ⁽²⁾ | 3.8 | m ³ /h | |
| Weight at operation | 9.0 | kg | |
| Weight at shipping | 3.0 | kg | |
| Standard preservative | 1000 ppm Benzoic acid | | |
| Connectors | Feed/Conc.: V band coupling Permeate: 25 A | | |

⁽¹⁾ Initial water flux by dead end filtration with pure water under T.M.P. 0.1 MPa at 25°C

⁽²⁾ Standard condition is adjusted to 1 m/sec feed velocity. Please notice that the optimum velocity is different for each application.

⁽³⁾ This value is for room temperature.

Note: Applicable max. pressure depends on operating temperature. Ensure instruction manual.

DAICEN Membrane Systems Ltd. is the manufacturer of the ULTRADYN modules and markets and distributes them under the registered trademark MOLSEP®.

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