

## FFM-U3838-50K

sanitary ultrafiltration membrane

|                    |                             |  |
|--------------------|-----------------------------|--|
| <b>PRODUCT</b>     | Membrane Chemistry:         | Patent polyethersulfone (PES)  |
| <b>DESCRIPTION</b> | Nominal retention accuracy: | 50,000 Dalton  |
|                    | structure:                  | Roll type sanitary belt grid   |
|                    | Choice scope: Diameter:     | 2.5 ", 4" and 8 "; inlet passage: (31mil), (46mil), (62mil), (80mil) |

### Specification

| Parameter | Effective membrane area |          |          |          |          |          |
|-----------|-------------------------|----------|----------|----------|----------|----------|
|           | (31mil)                 | (46mil)  | (62mil)  | (80mil)  | (100mil) | (135mil) |
|           | ft2 (m2)                | ft2 (m2) | ft2 (m2) | ft2 (m2) | ft2 (m2) | ft2 (m2) |
|           | 72 (6.7)                | 60 (5.5) | 47 (4.3) | --       | --       | --       |

Not all combinations are covered. Our company can customize special specifications of membrane components for users.

### OPERATION PARAMETERS

Recommended operating pressure: 30-120 psi (2.1-8.3bar)

Maximum operating pressure: 140psi (9.7bar)

Operating temperature range: 41-131° F (5-55°C)

Cleaning temperature range: 104-122° F (40-50°C)

PH range of continuous operation: 2.0-10.0 (25°C)

PH range of online cleaning: 1.8-11.0 (25°C)

Design pressure drop of single membrane element:

Runner 31mil: 12-15 psi (0.8-1.0 bar)

Runner 46mil: 15-20 psi (1.0-1.4 bar)

Other Runner: 15-25 psi (1.0-1.7 bar)

