

# FFM-U4040GB-150K

ultrafiltration membrane

|                    |                             |  |
|--------------------|-----------------------------|--|
| <b>PRODUCT</b>     | Membrane Chemistry:         | Patent polyethersulfone (PES)  |
| <b>DESCRIPTION</b> | Nominal retention accuracy: | 150,000 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) |
|           | 90 (8.3)                | 75 (6.9) | 55 (5.1) | 45 (4.2) | --       | --       |

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)

