

# FFM-U4040GBA-100K

Acid-resisting UF

|                    |                             |  |
|--------------------|-----------------------------|--|
| <b>PRODUCT</b>     | Membrane Chemistry:         | Special composite membrane   |
| <b>DESCRIPTION</b> | Nominal retention accuracy: | 100,000 Dalton   |
|                    | structure:                  | Roll type sanitary belt grid / FRP                                   |
|                    | 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)                          |
|           | ft <sup>2</sup> (m <sup>2</sup> ) | ft <sup>2</sup> (m <sup>2</sup> ) | ft <sup>2</sup> (m <sup>2</sup> ) | ft <sup>2</sup> (m <sup>2</sup> ) | ft <sup>2</sup> (m <sup>2</sup> ) | ft <sup>2</sup> (m <sup>2</sup> ) |
|           | 90 (8.3)                          | 75 (6.9)                          | 53 (4.9)                          | 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:                | 0.0-12.0 (25°C)                       |
| On line cleaning pH range:                       | 0.0-12.0 (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) |

