

FFM-M8038-0.3

sanitary microfiltration membrane

| | | |
|----------------------------|-----------------------------------|--|
| PRODUCT DESCRIPTION | Membrane Chemistry: | Patent polyethersulfone (PES) |
| | Effective interception precision: | 0.3um |
| | structure: | Roll type sanitary belt grid |
| | Choice scope: Diameter: | 4 ", 6" and 8 "; inlet passage: (31mil), (46mil), (62mil), (80mil), (100mil) or (135mil); grid: fixed and adjustable |

Specification Parameter

| | Effective membrane area | | | | | |
|--|-------------------------|------------|------------|------------|----------|----------|
| | (31mil) | (46mil) | (62mil) | (80mil) | (100mil) | (135mil) |
| | ft2 (m2) | ft2 (m2) | ft2 (m2) | ft2 (m2) | ft2 (m2) | ft2 (m2) |
| | 350 (32.5) | 269 (25.0) | 204 (19.0) | 167 (15.5) | -- | -- |

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

OPERATION PARAMETERS

| | |
|-----------------------------------|--|
| Recommended operating pressure: | 14.5-36 psi (1-2.5 bar) |
| Maximum operating pressure: | 50.7 psi (3.5 bar) |
| Operating temperature range: | 41-131° F (5-55°C) |
| Maximum operating temperature: | 150° F(65.6°C) pH 6.0-7.5, 140° F (60°C) pH 3.5-6.0, 131° F(55°C) PH2.0-3.5and7.5-10.0 |
| 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: | 5-15 psi (0.3-1.0 bar) |
| Runner 46mil: | 5-20 psi (0.3-1.4 bar) |
| Other Runner: | 10-20 psi (0.7-1.4 bar) |

Design pressure drop of single membrane shell (3 membranes in series):

| | |
|---------------|-------------------------|
| Runner 31mil: | 5-15 psi (0.3-1.0 bar) |
| Runner 46mil: | 5-20 psi (0.3-1.4 bar) |
| Other Runner: | 10-20 psi (0.7-1.4 bar) |

