

## LM8040-NF90-FL1

### Nanofiltration membrane element

#### Specifications

|                 | Active Area     |                | Permeate Flow Rate |                   | Average Salt Rejection    |
|-----------------|-----------------|----------------|--------------------|-------------------|---------------------------|
|                 | ft <sup>2</sup> | m <sup>2</sup> | GPD                | m <sup>3</sup> /d |                           |
| LM8040-NF90-FL1 | 400             | 37.2           | 10000              | 38                | 98 % (MgSO <sub>4</sub> ) |
|                 |                 |                | 7500               | 28                | 85-95 % (NaCl)            |

Test conditions: 2000ppm water, 25°C (77°F); 70psi (0.48MPa); 15% recovery

Permeate flows variation: +/-15%

#### Limits (Operating and cleaning)

|                              |                       |
|------------------------------|-----------------------|
| pH (infeed)                  | 3-10                  |
| pH (cleaning)                | 2-12                  |
| Temperature                  | 45°C (113°F) max.     |
| Free Chlorine                | 0.1ppm max.           |
| SDI                          | 5 max.                |
| Pressure                     | 600psi max. (4.14MPa) |
| Single Element Pressure Drop | 15psi (0.10MPa)       |

#### Storage Conditions and Remarks

Always keep new elements in the original packaging

Avoid exposure to direct sunlight

Avoid exposure to chlorine and oxidizing agents

3-year warranty

Oxidation damage is not covered under warranty

Keep elements moist at all times after initial wetting

The initial permeate (first hour) must be discarded

During prolonged system shutdowns, membrane elements must be immersed in preservative solution. The solution must be rinsed out before operation starts again



| Model           | A/ mm (inch) | B/ mm (inch) | C/ mm (inch) |
|-----------------|--------------|--------------|--------------|
| LM8040-NF90-FL1 | 1016(40)     | 201(7.9)     | 29(1.125)    |

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