

Ultrafiltration membrane elements
for ground and artesian waters
clarification

Product Description

| | |
|-------------------|---|
| Membrane material | Polysulfone |
| Membrane type | RM33PS with proteins molecular weight cut-off (MWCO) of over 50,000 Daltons |
| Design | Spiral wound |
| Features | Shrink film-wrapped (-F) |

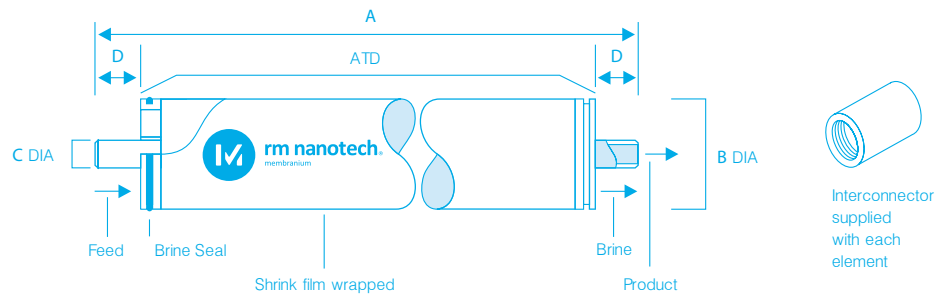
Specification

*
Test conditions: 0,1% solution of albumine (69 kDa) in 0,9% solution of NaCl, P=0,1 MPa, T=25 °C. Recovery -15%
Membrane's specific flow by demineralized water (SDI<1) is min. 240 l/(hr*m2*0,1 MPa)

| Model | Rejection by protein*, % | Area | | Spacer | |
|------------|--------------------------|------|-----|--------|-----|
| | | m2 | ft2 | mm | mil |
| 4040-F50-1 | 98* | 8 | 86 | 0,71 | 28 |
| 4040-F50-2 | 98* | 7,7 | 83 | 0,79 | 31 |
| 4040-F50-3 | 98* | 7,4 | 80 | 0,86 | 34 |

Operating conditions

| | |
|---|---------|
| Recommended operation pressure, MPa | 0,2-1,5 |
| Maximum operation pressure, MPa | 2,1 |
| Maximum pressure drop, MPa | 0,1 |
| Operation temperature, °C ¹⁾ | 4-50 |
| pH at operation ¹⁾ | 2-12 |
| CIP pH (short time operation) | 1-13 |
| Acceptable free Chlorine concentration during continuous operation | 1 |
| Acceptable free Chlorine concentration during disinfection (not longer than 30 min), mg/l | 200 |
| Maximum feed flow, m3/hr | 18 |
| Concentrate/permeate ratio on each element, min | 5:1 |
| Turbidity, NTU max | 1 |



| Model | A mm | B mm | B' (ATD) mm | C mm | D mm | Weight kg |
|----------------|------|-------|-------------|------|------|-----------|
| 4040-F50-1/2/3 | 1016 | 101,6 | 100,3 | 19,1 | 26,7 | 3,6 |

LENNTECH

info@lennotech.com Tel. +31-152-610-900
www.lennotech.com Fax +31-152-616-289