

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 20,000 Daltons |
| Design            | Spiral wound  |
| Features          | Shrink film-wrapped (-F)  |

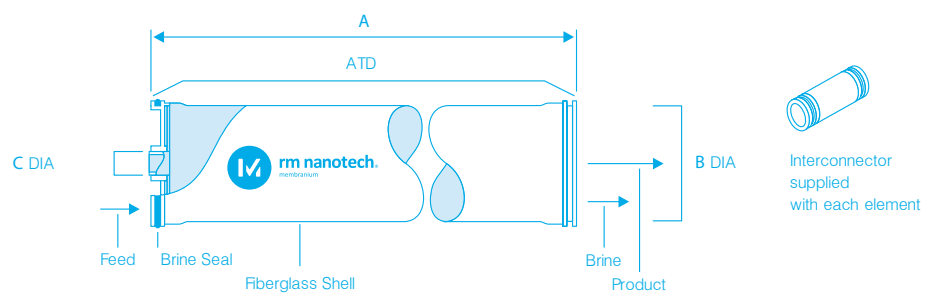
## Specification

\*  
Test conditions: 0,1% solution of myoglobin (17 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. 150 l/(hr\*m<sup>2</sup>\*0,1 MPa)

| Model      | Rejection by protein*, % | Area           |                 | Spacer |     |
|------------|--------------------------|----------------|-----------------|--------|-----|
|            |                          | m <sup>2</sup> | ft <sup>2</sup> | mm     | mil |
| 8040-F20-1 | 97*                      | 39             | 420             | 0,71   | 28  |
| 8040-F20-2 | 97*                      | 37             | 400             | 0,79   | 31  |
| 8040-F20-3 | 97*                      | 35             | 375             | 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 <sup>1)</sup>   | 4-50    |
| pH at operation <sup>1)</sup>   | 1-12    |
| CIP pH (short time operation)   | 1-13    |
| Acceptable free Chlorine concentration during disinfection (not longer than 30 min), mg/l | 200     |
| Maximum feed flow, m <sup>3</sup> /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 | Weight kg |
|----------------|------|------|-------------|------|-----------|
| 8040-F20-1/2/3 | 1016 | 203  | 200         | 28,6 | 14        |

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