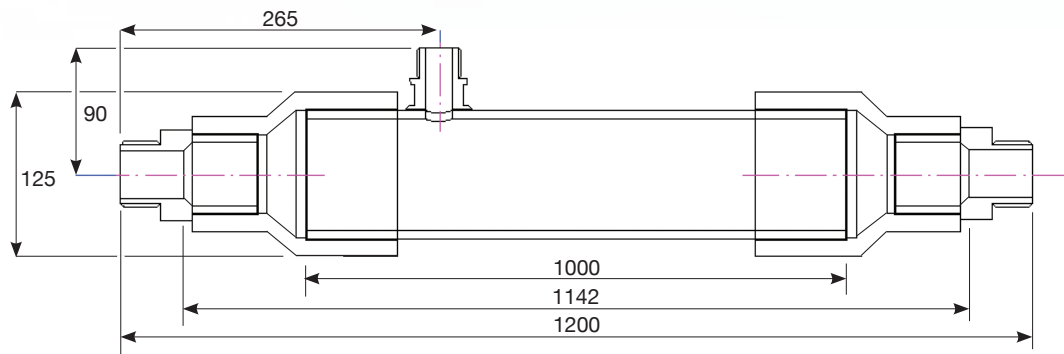


## Ultrafiltration element

**4100 UF/MB/TAP**



# Ultrafiltration element

# 4100 UF/MB/TAP

| Specifications 4100 UF/MB/TAP                |                                                   | SI |              | US      |            |
|----------------------------------------------|---------------------------------------------------|----|--------------|---------|------------|
| <b>Element data</b>                          |                                                   |    |              |         |            |
| Material housing                             |                                                   |    | PVC          |         | PVC        |
| Material connector                           |                                                   |    | PVC          |         | PVC        |
| Housing length                               | mm                                                |    | 1000 +/- 2,0 | inch    | 39         |
| Element length**                             | mm                                                |    | 1142 +/- 3,0 | inch    | 45         |
| Element length                               | mm                                                |    | 1200 +/- 3,0 | inch    | 47         |
| Distance permeate connector-feed connector** | mm                                                |    | 236 +/- 2,0  | inch    | 9          |
| Distance permeate connector-feed connector   | mm                                                |    | 265 +/- 2,0  | inch    | 10         |
| Distance permeate connector-element center   | mm                                                |    | 90 +/- 2,0   | inch    | 4          |
| Permeate connection male OD                  |                                                   |    | 1"           |         | 1"         |
| Feed connection male OD                      |                                                   |    | 1"           |         | 1"         |
| Housing OD                                   | mm                                                |    | 110          | inch    | 4          |
| Element OD                                   | mm                                                |    | 125          | inch    | 5          |
| Endcaps ID**                                 | mm                                                |    | 32           | inch    | 1          |
| Weight                                       | kg                                                |    | 4,5          | lbs     | 10         |
| <b>Membrane Type</b>                         |                                                   |    |              |         |            |
| Material                                     |                                                   |    | PES          |         | PES        |
| Type                                         |                                                   |    | SevenBore®   |         | SevenBore® |
| Diameter bores ID                            | mm                                                |    | 0,9          | inch    | 0,04       |
| Diameter fiber OD                            | mm                                                |    | 4,0          | inch    | 0,16       |
| MWCO                                         | kD                                                |    | 100-150      | kD      | 100-150    |
| Area                                         | m²                                                |    | 5,8          | ft²     | 62         |
| <b>Typical Process Conditions</b>            |                                                   |    |              |         |            |
| Maximum operating temperature                | °C                                                |    | 40           | °F      | 104        |
| Maximum system pressure                      | bar                                               |    | 10           | psi     | 145        |
| Trans membrane pressure operation            | bar                                               |    | < 1,0        | psi     | < 14,5     |
| maximum                                      | bar                                               |    | 2,5          | psi     | 36         |
| Productivity clean water at 25° C (77°F)     | l/m²barh                                          |    | 1300-1600    | gfd/psi | 53-65      |
| process                                      | l/m²h                                             |    | 100 to 350   | gfd     | 60 to 210  |
| backwash/forward flush                       | l/m²h                                             |    | 250          | gfd     | 150        |
| Permeate flow at 100 l/m² h                  | l/h                                               |    | 580          | gpm     | 3          |
| pH range during operation                    |                                                   |    | 3-10         |         | 3-10       |
| <b>Cleaning</b>                              |                                                   |    |              |         |            |
| Soaking time during cleaning                 |                                                   |    | min 5        |         |            |
| pH range during cleaning                     |                                                   |    | 1-13         |         |            |
| Disinfecting chemicals                       | hypochlorite (NaOCl)                              |    | ppm 50-200   |         |            |
|                                              | hydrogenperoxide (H <sub>2</sub> O <sub>2</sub> ) |    | ppm 100-200  |         |            |

\*\* without screw ends (provided separately)

modifications reserved-01.2012

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