

FRP – Series Membrane Housings

AXEON FRP – Series Membrane Housings are for continuous long-term use for reverse osmosis, nanofiltration and ultrafiltration elements which are used on typical commercial water treatment systems at pressures up to 300 psi. They feature end entry connections and the True-Lock™ Integrated Locking System, and demonstrate a higher resistance to various climate conditions, feedwater conditions and chemicals.

AXEON 2.5" diameter membrane housings are available in 14", 21" and 40" lengths, and 4.0" diameter membrane housings are offered in 14", 21", 40", and 80" lengths.



Know Higher Standards™

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Features

- Fiberglass Construction
- End Entry Connections
- Single Piece ABS End Plugs
- True-Lock™ Integrated Locking System
- High Resistance to Chemicals, such as High Levels of Chlorides and Climate Conditions
- Easy Removable End Plug for Ease of Installation and Maintenance
- Accommodates All Standard Sized Membrane Elements
- Adapters, Interconnectors and Mounting Clamps Available

Operating Limits

- Maximum Operating Pressure (psi / bar): 300 / 21
- Minimum Operating Temperature (°F / °C): 35 / 2
- Maximum Operating Temperature (°F / °C): 150 / 66

2.5" Series

| Part Number | Model Number | Maximum Pressure (psi) | Number of Membranes | Membrane Diameter (inch / mm) | Membrane Length (inch / mm) | Feed FNPT (inch) | Permeate FNPT (inch) | Concentrate FNPT (inch) |
|-------------|-------------------|------------------------|---------------------|-------------------------------|-----------------------------|------------------|----------------------|-------------------------|
| 208421 | FRP – 2514 – 300E | 300 | 1 | 2.50 / 63.50 | 14.00 / 355.6 | 1/4 | 1/4 | 1/4 |
| 208417 | FRP – 2521 – 300E | 300 | 1 | 2.50 / 63.50 | 21.00 / 533.4 | 1/4 | 1/4 | 1/4 |
| 208418 | FRP – 2540 – 300E | 300 | 1 | 2.50 / 63.50 | 40.00 / 1016 | 1/4 | 1/4 | 1/4 |

4" Series

| Part Number | Model Number | Maximum Pressure (psi) | Number of Membranes | Membrane Diameter (inch / mm) | Membrane Length (inch / mm) | Feed FNPT (inch) | Permeate FNPT (inch) | Concentrate FNPT (inch) |
|-------------|-------------------|------------------------|---------------------|-------------------------------|-----------------------------|------------------|----------------------|-------------------------|
| 208416 | FRP – 4021 – 300E | 300 | 1 | 4.00 / 101.60 | 21.00 / 533.4 | 1/2 | 1/2 | 1/2 |
| 208419 | FRP – 4040 – 300E | 300 | 1 | 4.00 / 101.60 | 40.00 / 1016 | 3/4 | 1/2 | 3/4 |
| 208420 | FRP – 4080 – 300E | 300 | 2 | 4.00 / 101.60 | 80.00 / 2032 | 3/4 | 1/2 | 3/4 |

