

Specification

| Maximum Operating Temperature | | 4-45°C |
|--|-----------------------|----------------------------|
| Maximum Operating Pressure | | 41 bar |
| Minimum Operating Pressure | - ERO -SRO -PRO | 6 bar 10 bar 5.5 bar |
| Maximum Feed Flow Rate | | 22 LPM |
| Minimum Feed Flow Rate | | 6 LPM |
| Maximum Recommended Recovery | | 35 % |
| pH Range, Continuous Operation | | 3-10 |
| pH Range, Short Term Cleaning | | 2-12 |
| Maximum Feed Silt Density Index | | 5.5 SDI |
| Chlorine Tolerance (Total Exposure 2000 mg/l - hours) (| mg/l) | <0.1 |
| | | |

Materials of Construction

Permeate Tube

ABS

Outer Wrap

Fibreglass

Feed Channel Spacer Polypropylene

Membrane Polyamide Thin-Film Composite

Anti-Telescoping Device

Material Polyethylene Terepthalate (PET)

Permeate Collection

Brine Seal

Buna-N



Diameter (") Length (")

2.5 (nominal) 21 (nominal) 40 (nominal)

Dimensions

Recommended Shelf Life

Maximum Feedwater Turbidity

Maximum Feedwater Quality (TDS)



<1 NTU <2,000 mg/l

<10,000 mg/l

<1,000 mg/l 2 Years

-SRO

-PRO

| Product | Dimensions (") | | | A -4: A (A2 (2) |
|----------|----------------|----|-----|----------------------|
| Product | Α | В | С | Active Area ft² (m²) |
| ERO-2521 | 0.75 | 21 | 2.4 | 14 (1.3) |
| ERO-2540 | 0.75 | 40 | 2.4 | 30 (2.8) |
| SRO-2521 | 0.75 | 21 | 2.4 | 14 (1.3) |
| SRO-2540 | 0.75 | 40 | 2.4 | 30 (2.8) |
| PRO-2521 | 0.75 | 21 | 2.4 | 14 (1.3) |
| PRO-2540 | 0.75 | 40 | 2.4 | 30 (2.8) |

Part Number

Flow Rate

| Product Code | LPH (m³/day) | Operating Pressure bar (psi) | Avg Rejection % |
|--------------|--------------|------------------------------|-----------------|
| ERO-2521 | 47 (1.1) | a 10.3 (150) | 99 |
| ERO-2540 | 118 (2.8) | @ 10.3 (150) | 99 |
| SRO-2521 | 47 (1.1) | @ 15.5 (225) | 99.5 |
| SRO-2540 | 118 (2.8) | @ 15.5 (225) | 99.5 |
| PRO-2521 | 47 (1.1) | @ 6.9 (100) | 99.2 |
| PRO-2540 | 118 (2.8) | @ 6.9 (100) | 99.2 |

2.5" Membranes

An Improved Performance Retrofit

Whilst other manufacturers are obsoleting the 2.5" range in favour of the mass produced 4" and 8" elements, SPECTRUM is committed to supporting the many systems in the field that incorporate the 2.5" membranes. Not only offering a retrofit, but one with improved performance, often enabling system production rates to increase without modification. All membranes have the added benefit of a fibreglass wrap for a more robust product.

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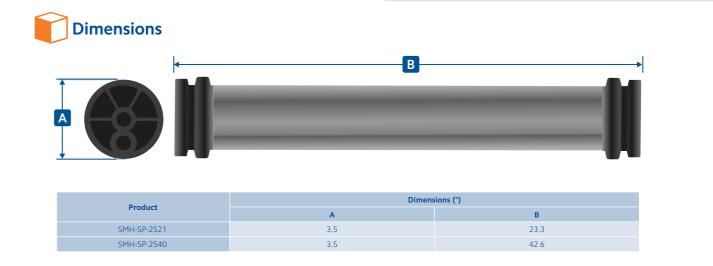




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Permeate Concentrate

- Increased resistance to UV (compared to PVC & FRP)
- Secure integrated clamping system
- Complete with mounting straps



2.5" Membrane Housings

Supporting Existing and New Systems

The SPECTRUM stainless steel 2.5" membrane housings have been designed to provide a durable, long-term solution for reverse osmosis systems. Compatible with almost all industry 2.5" diameter membranes, these housings feature two twin-port single piece ABS end-caps, each with a double O-ring seal. Supplied as a complete package, this range is shipped with mounting straps included for simple system integration.

Part Number

21 (nominal)

40 (nominal)

| Product Code | Material | Size | Port Size |
|--------------|----------|------|------------|
| SMH [- | SP [- | 2521 | 3/ |
| | | 2540 | -] |

e.g. SMH-SP-2521-3/8

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