

Reliable and Secure RO Housing



Standard vs Economic

Extending the performance capabilities of the Economic range, the SMH is ideal for use with SPECTRUM SRO membranes in higher TDS feed waters (>500 mg/L). Designed for more demanding applications, the Standard range provides superior performance.



Corrosion Resistant

Constructed from 316L stainless steel, the SMH provides extra corrosion protection, such as pitting from high chloride solutions.

Durability

With a 30% thicker body, the Standard range has increased strength and durability, suitable for harsh industrial environments.

Seamless

Manufactured from a seamless stainless tube, the SMH avoids the potential of long term weld corrosion for extended service life.

4" Membrane Housings

The Go-to For Commercial Pure Water Production

The preferred choice for commercial reverse osmosis systems, the SPECTRUM 4" stainless steel membrane housings are constructed with a highly polished stainless steel body to ensure membrane seal integrity. Typically lighter than comparable PVC or FRP alternatives, these housings feature two twin-port single piece ABS end-caps offering flexibility in both housing orientation and membrane flow pattern, whereby pure water can be collected at either end of the housing.

Specification

Operating Temperature	SMH 50 °C / EMH 40 °C
Maximum Operating Pressure	SMH 17 bar / EMH 10 bar

Materials of Construction

Housing Body	Endcaps
- EMH 304 Stainless Steel - Seamed	ABS
- SMH 316L Stainless Steel - Seamless	
Clamps	Clamp Screws
304 Stainless Steel	304 Stainless Steel
O-rings	Mounting Strap
Silicone	304 Stainless Steel
Plug	
1/2" BSPT PVC	

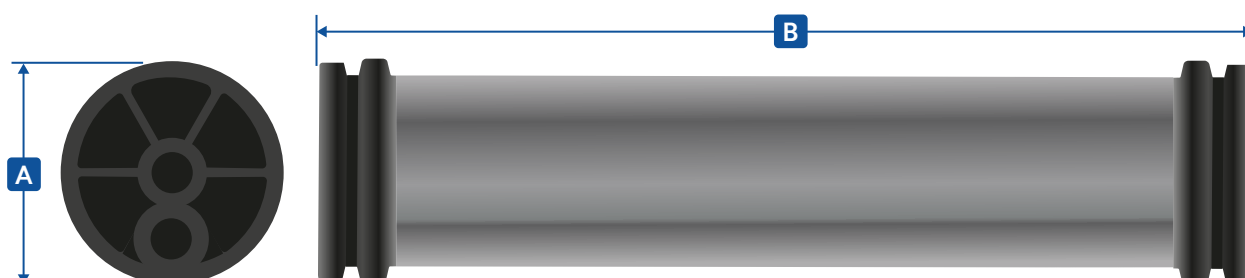


Configurations

Diameter ("")	Length ("")	Port Size ("")		
4.0 (nominal)	21 (nominal)	3/4	1/2	3/4
	40 (nominal)	Feed	Permeate	Concentrate

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

Dimensions



Product	Dimensions ("")	
	A	B
EMH-SP-4021	4.6	23.3
EMH-SP-4040	4.6	42.3
SMH-SP-4021	4.6	23.3
SMH-SP-4040	4.6	42.3

Part Number

Product Code	Material	Size	Port Size (Feed & Concentrate)	Port Size (Permeate)
EMH	SP	4021	3/4	1/2
SMH		4040		

e.g. EMH-SP-4021-3/4-1/2