

TMRO TS Series as an Alternative to SUL Elements

Toray Membrane USA is proud to announce that there is now a Made in America alternative to SUL Heat Sanitizable RO Elements. The TMRO TS series of heat-sanitizable RO elements is available alongside the SUL elements for clients who need additional certifications or prefer USA-made products. The performance specifications of the TMRO TS and SUL elements are the same; the only difference is the permeate tube and connections. The SUL element utilizes a male permeate tube connection with an external plug, while the TMRO elements use standard Polysulfone interconnectors.

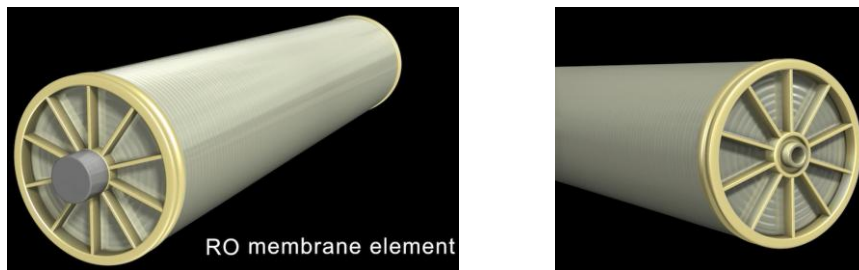


Figure 1: SUL style element with external plug and male style permeate tube



Figure 2: TMRO TS Style element uses flush cut Polysulfone permeate tube and interconnector. These connectors are like standard RO elements connectors.

TMRO Product Specifications

Product Specifications	Unit	TMRO-G10TS	TMRO-G20TS	TMRO-G20FTS
Size		4040	8040	8040
Membrane Area	ft ² (m ²)	75 (7.0)	400 (37.2)	440 (40.9)
Nominal Salt Rejection	%	99.5	99.5	99.5
Minimum Salt Rejection	%	99.0	99.0	99.0
Product Flow Rate	gpd (m ³ /d)	1,300 (5.0)	7,900 (30.0)	9,500 (36.0)

Test Conditions: Feed water pressure 150 psi (1.03 MPa); Feed water temperature 25°C (77 °F); Feed water concentration 2,000 mg/L as NaCl; Recovery rate 15%; Feed water pH 7.

*Specified performance values are post heat conditioning

The performance specs of the TMRO element match the SUL elements in terms of flow and rejection. For example, if the SUL-G20FTS is currently in use, it can be directly replaced with the TMRO-G20FTS by changing the adaptors. The benefit of the TMRO is that its elements are FDA-compliant on the permeate water side. If an FDA compliance letter is required, please do not hesitate to reach out to me or your sales representative.

Product Availability

The product is now available. The spec sheet of the product can be accessed here: [TMRO-TS Datasheet](#).

For more information, please contact:



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