

TORAY

Innovation by Chemistry

NEW

MEMBRAY™ TMR090 Series - Module
Submerged Flat Sheet Membrane Module for MBR



The new TMR090-025S

- Membrane area 22.5 m²
- Equipped with fine-bubble air diffuser
(no daily diffuser cleaning required)
- Proven quality of Membray TMR090-series

Toray Industries, Inc.

MEMBRAY TMR090 Series Specifications

Element Specifications (TSP-50100)				
Nominal Pore Size	micron	0.08		
Membrane Area	m² (sq. ft.)	0.9 (9.7)		
Dimensions (W x H x T)	mm (inch)	515 x 1,059 x 13.5 (20.3 x 41.7 x 0.5)		
Weight (dry)	kg (lb)	3.0 (6.6)		
Membrane Material		PVDF + PET non-woven fabric		
Supporting Plate		ABS		
Module Specifications				
Type No.		TMR090-025S	TMR090-050S	TMR090-100S
Standard Flow Rate*	m³/day (gal/day)	17 (4,491)	34 (8,982)	68 (17,964)
Number of Elements		25	50	100
Membrane Area	m² (sq. ft.)	22.5 (242)	45 (484)	90 (968)
Dimensions (W x L x H)	mm (inch)	675 x 642 x 1,474 (26.6 x 25.3 x 58.0)	810 x 1,030 x 1,480 (31.9 x 40.6 x 58.3)	810 x 1,718 x 1,480 (31.9 x 67.6 x 58.3)
Weight (dry)	kg (lb)	160 (353)	250 (551)	450 (992)
Materials	Frame and Permeated Water Manifold	304 stainless steel (316 stainless steel is available as option)		
	Aeration Diffuser	EPDM/PVC/304SS		

* These are reference values with typical municipal wastewater, not guaranteed values.
• Specifications subject to change without notice due to technical modifications or production changes.

TORAY satisfies global water treatment needs.

Global Website: <http://www.toraywater.com/>

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About Toray

Established in 1926, Toray is a worldwide leader in chemical manufacturing and related products. Leveraging decades of experience in synthetic fibers and textiles, Toray has expanded into many other fields such as carbon fiber and its composites, plastics, fine chemicals and innovative water treatment technologies.

Toray is committed to achieving sustainable growth and environmental preservation, while meeting the diverse needs of its customers worldwide. Toray constantly strives to contribute to the countries and communities in which it operates, not only through superior products and services, but by acting as a concerned corporate citizen. In this way, Toray seeks to play its part in building a better society for all the people of the world.