

# Residential TF Thin Film Composite Membrane Elements



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Recognized as one of the industry's most reliable and highest performing membrane elements which deliver consistent quality and performance. Advanced membrane film technology and manufacturing processes allow these elements to deliver consistent results that water treatment equipment suppliers, distributors and dealers have come to rely on.

- 98% Nominal Salt Rejection
- Improved System Performance
- Superior Quality and Cost Savings
- Individually Tested and Sanitized
- Made in the U.S.A.



This Membrane Element is Tested and Certified by NSF International against NSF/ANSI Standard 58 for material requirements only.



The Ultra Water  
Treatment Solution.

**RO UltraTec**<sup>®</sup>  
The Ultra Solution.

# Residential TF Thin Film Composite Membrane Elements

TF (Thin Film Composite) reverse osmosis membrane elements offer reliability, high performance, and deliver consistent results for higher quality water.

## Operating Limits:

- Membrane Type: Thin Film Composite
- Maximum Operating Temperature: 110°F (43°C)
- Maximum Operating Pressure: 125 PSI
- Maximum Feed Flow Rate: 1 GPM
- Minimum Concentrate Flow Rate: 4 x Permeate
- pH Range, Continuous Operation: 3 - 11
- Maximum Feed Water Turbidity: 1 NTU
- Maximum Feed Silt Density Index (SDI): 5 SDI
- Chlorine Tolerance: 0 PPM

## Features:

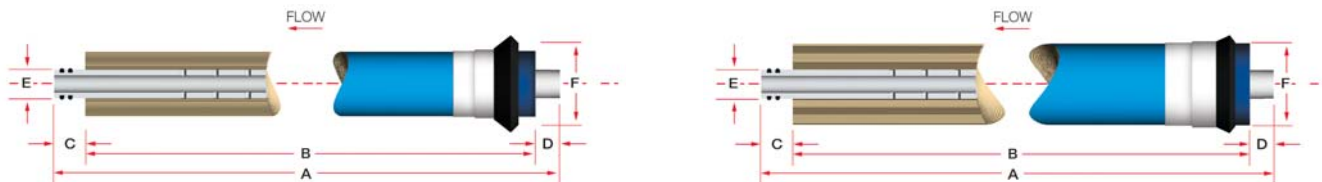
- NSF 58 Approved
- 100% Integrity Tested
- Shipped Dry for Extended Shelf Life
- Accommodate all 2" x 12" Residential Membrane Housings
- Available Individually Wet Tested
- Private Labeling Available
- Made in the U.S.A.



## Product Specifications:

Part Number	Description	Applied Pressure PSI (BAR)	Permeate Flow Rate GPD	Nominal Salt Rejection (%)	Part Number	Description	Applied Pressure PSI (BAR)	Permeate Flow Rate GPD	Nominal Salt Rejection (%)
200355	TF-1512-12N	50 (3.45)	12	98	200359	TF-1812-50N	50 (3.45)	50	98
200356	TF-1512-18N	50 (3.45)	18	98	200360	TF-1812-75N	50 (3.45)	75	98
200357	TF-1512-25N	50 (3.45)	25	98	200361	TF-1812-100N	60 (4.14)	100	98
200358	TF-1812-35N	50 (3.45)	35	98	300362	TF-1812-150N	65 (4.48)	150	98

Permeate flow and salt rejection based on the following test conditions: 550 ppm Softened Tap Water, 77°F (25°C), 15% Permeate Recovery, 6.5 - 7.0 pH Range, and the specified applied pressure. Data taken after 30 minutes of operation. Maximum pressure drop for each element is 10 psi. Minimum salt rejection is 96%. Permeate flow for individual elements may vary +/- 20%.



## Dimensions (inches):

Description	A	B	C	D	E	Description	A	B	C	D	E
TF-1512-12N	11.740	.860	.930	1.500	10.000	TF-1812-50N	11.740	.860	.930	1.775	10.000
TF-1512-18N	11.740	.860	.930	1.500	10.000	TF-1812-75N	11.740	.860	.930	1.775	10.000
TF-1512-25N	11.740	.860	.930	1.500	10.000	TF-1812-100N	11.740	.860	.930	1.775	10.000
TF-1812-35N	11.740	.860	.930	1.775	10.000	TF-1812-150N	11.740	.860	.930	1.775	10.000

Wet tested membrane elements must be kept sealed and moist when in storage. Drying out may occur and damage the membrane permanently. Prevent elements from freezing or being exposed to direct sunlight. Wet tested elements are vacuum sealed in a polyethylene bag containing 1.0% sodium meta-bisulfite and then packaged in a cardboard box. Discard the permeate for the first two hours of operation. The permeate flow (product water flow) varies with feed water temperature. Review a Temperature Correction Chart. For membrane warranty information, please contact manufacturer.

The manufacturer believes the information and data contained herein to be accurate and useful. The information and data are offered in good faith, but without guarantee, as conditions and methods of use of products are beyond the manufacturer's control. The manufacturer assumes no liability for results obtained or damages incurred through the application of the presented information and data. It is the user's responsibility to determine the appropriateness of the products for the user's specific end uses.



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DISTRIBUTED BY:



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