



# Domestic Reverse Osmosis Membranes



## Description

Burton+ Residential Reverse Osmosis (RO) membrane elements for residential drinking water treatment are few of the most reliable and consistent products in the industry. The elements are uniquely engineered for high level of salt rejection while maintaining high water flux.

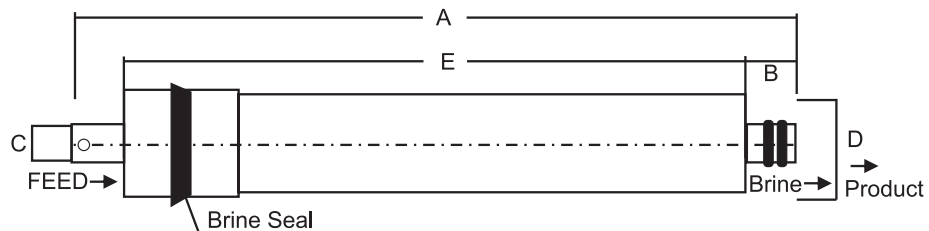
## Features

- ▶ High level of salt rejection
- ▶ Reliable & consistent performance
- ▶ Well-controlled element rolling
- ▶ Dry membranes with enhanced shelf-life
- ▶ Stable performance
- ▶ High water flux
- ▶ Complies to NSF standards

## Applications

Domestic drinking water treatment applications

## Dimensions



Model no.	Dimensions – Inches (mm)				
	A	B	C	D	E
Burton+ -1812-75	11.75 (298)	0.87 (22)	0.68 (17)	1.75 (44)	10.0 (254)

Burton+1812-75 Residential RO elements fit inside the 2inch sch 40pvc pipes

## Technical Information

<b>Application limits</b>	Permeate Flow (gpd)	75
	Salt Rejection (%)	96
	Membrane Type	Polyamide Thin-Film
	Maximum Operating Temperature	113°F/45°C
	Maximum Operating Pressure	300psi (21 bar)
	pH range, Continuous Operation	2 – 11
	pH range, Short-Term Cleaning (30 min)	1 – 12
	Maximum Feed Silt Density Index (SDI)	5
	Free chlorine Tolerance	< 0.1 ppm

## Testing Conditions

The stated performance is for the initial data taken after 30 minutes of operation, based on the following testing conditions:

- ▶ 250ppm NaCl solution
- ▶ 60psi Applied Pressure
- ▶ 77°F(25°C) Operating Temperature

### Notice

1. The first full tank of permeate must be discarded. Do not use this initial permeate for drinking water or food preparation.
2. Keep elements moist at all times after initial wetting.
3. Ensure the limits and guidelines given above are followed.
4. To prevent biological growth during prolonged system shutdowns, it is recommended that membrane elements be immersed in a preservations solution. Rinse out the preservative before use.

### Disclaimer:

We believe the information provided here to be accurate. The information and data are offered in good faith, but without any guarantee as the conditions and methods of use of our products are beyond our control. The customer is fully responsible for the effects of incompatible chemicals or elements. The presence of free chlorine and other oxidizing agents will cause membrane failures and such damage is not covered under warranty. It is the customer's responsibility to determine the appropriateness of our products for their specific end uses. Conditions apply for warranty cases.

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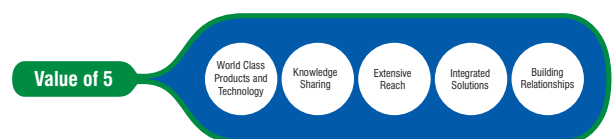
 | AN EARTH WATER ENTERPRISE

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