



OSMONICS

NEWS

MARKETS

PRODUCTS

LIBRARY

FINANCIAL

ABOUT US

TALK TO US

HOME | SEARCH

GO



LEARN MORE

Visit our Library.

# 2", 4" and 8" Low Energy Polyamide (PA)

## Product Information

<b>Model #</b>	<b>411</b>	<b>823</b>
Outer Cover Material	FRP	FRP
Nominal Diameter: inches (cm)	4.0 (10.2)	7.9 (20.1)
Overall Length: inches (cm)	40 (101.2)	40 (101.2)
Permeate Tube Sealing Surface Dimensions Diameter: inches (cm)	0.775 (1.97)	1.125 (2.86)
[Inside Diameter unless specified as Outside Diameter (O.D.)]		
LE(PA) pH Range: 3.0-11.0	2,350 (8.9)	10,500 (39.7)
Chlorine Tolerance: 0.1 ppm	98%	98%
Minimum Salt Rejection**	98.2%	98.2%
Nominal Salt Rejection		
Active Membrane Area: ft <sup>2</sup> (m <sup>2</sup> )	90 (8.4)	400 (37.2)

\*\* Based on 24 hours' operation

APPLICATIONS: Municipal • Boiler Feed • Laboratory Use • Pure Water for Dialysis • Ultra Pure Water

MODEL NUMBER CONFIGURATION FOR ORDERING: Model #-membrane class, e.g., 823-LE(PA)

NOTES:

### Associated Pages:

**Products**  
OSMO® Cleaners and Sanitizers for PA Separators Only

### Applications

- Warden, Manitoba, Canada Case Study
- Pascagoula, Mississippi Case Study
- Lincoln Pipestone Rural Water District Case Study
- Colorado's Clifton Water District Case Study

- Silt Density Index (SDI) levels should be < 5 to minimize standard membrane fouling and extend membrane life.
- Testing is based on feedwater that is 77°F (25°C), pH 7-8, 2000 ppm NaCl.
- Individual Osmo separator permeate (pure water) flow rate may vary ± 15%.
- All specifications based upon a maximum recovery of 15%.
- 217, 414 and 823 models are dimensionally-equivalent to Filmtec<sup>®</sup>, i.e., no special end cap adapters are needed.

<sup>®</sup>Filmtec is a trademark of Dow Chemical Co.

---

[Home](#) :: [News](#) :: [Markets](#) :: [Products](#) :: [Library](#) :: [Financial](#) :: [About Us](#) :: [Talk To Us](#)  
©1995-2002 Osmonics, Inc. All rights reserved except where specifically noted.  
[Privacy Policy](#) :: [Webmaster](#) :: [Site Credits](#)