

OSMO PHARMA Elements

Pharmaceutical Grade Net Wrapped RO Elements

All the OSMO PHARMA elements:

- Are manufactured from FDA-acceptable materials.
- Have passed Class VI testing for all materials.
- Feature a net wrapped design.
- Have an electropolished 316L stainless steel permeate tube.
- Are wet-tested for performance integrity.
- Are shipped with a certificate of compliance.

Table 1: Element Specification

Membrane	Thin-Film Membrane (TFM*)
----------	---------------------------

Model	Average permeate flow gpd (m ³ /day) ^{1,2}	Average NaCl rejection ^{1,2}	Minimum NaCl rejection ^{1,2}
OSMO-PHARMA-RO-4040-FF	2,200 (8.3)	99.0%	98.0%
OSMO-PHARMA-RO-365-FF	9,600 (36.3)	99.0%	98.0%

¹ Average salt rejection after 24 hours operation. Individual flow rate may vary +25%/-15%.

² Testing conditions: 2,000 ppm NaCl solution at 225 psi (1,551 kPa) operating pressure, 77 °F, pH 7.5 and 15% recovery.

Model	Active area ft ² (m ²)	Outer wrap	Part number
OSMO-PHARMA-RO-4040-FF	83 (7.7)	Full-Fit*	1233036
OSMO-PHARMA-RO-365-FF	365 (33.9)	Full-Fit*	1233035

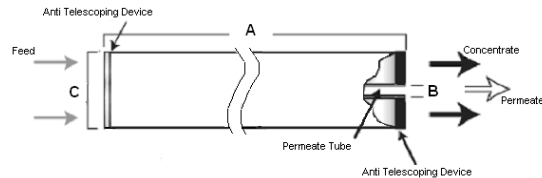


Figure 1: Element Dimensions Diagram – Female

Table 2: Dimensions and Weight

Model ¹	Dimensions, inches (cm)			Boxed Weight lbs (kg)
	A	B ²	C ³	
OSMO-PHARMA-RO-4040-FF	40.0 (101.6)	0.775 (1.97)	4.0 (10.2)	8 (3.5)
OSMO-PHARMA-RO-365-FF	40.0 (101.6)	1.125 (2.86)	7.9 (20.1)	32 (14.5)

¹ These elements are dried and bagged before shipping.

² Internal diameter.

³ The element diameter (dimension C) is designed for optimum performance in GE Water & Process Technologies pressure vessels. Others pressure vessel dimension and tolerance may result in excessive bypass and loss of capacity.

Table 3: Operating and CIP parameters

Typical Operating Pressure	200 psi (1,379 kPa)
Typical Operating Flux	10-20 GFD (15-35LMH)
Maximum Operating Pressure	600 psi (4,137 kPa),
Maximum Temperature	Continuous operation: 122°F (50°C) Clean-In-Place (CIP) 122°F (50°C)
Minimum Crossflow	30gpm (6.8 m ³ /hr) for 365 ft ² element only
pH Range	Optimum rejection: 7.0-7.5 Continuous operation: 4.0-11.0 Clean-In-Place (CIP): 2.0-11.5
Maximum Pressure Drop	Over an element: 12 psi (83 kPa) Per housing: 50 psi (345 kPa)
Chlorine Tolerance	1,000+ ppm-hours, dechlorination recommended
Feedwater	NTU < 1 SDI < 5

a product of
ecomaginationSM



Find a contact near you by
visiting ge.com/water or
e-mailing custhelp@ge.com.

Global Headquarters
Trevose, PA
+1-215-355-3300

Americas
Watertown, MA
+1-617-926-2500

Europe/Middle East/Africa
Heverlee, Belgium
+32-16-40-20-00

Asia/Pacific
Shanghai, China
+86 (0) 411-8366-6489

©2008, General Electric Company. All rights reserved.

*Trademark of General Electric Company; may be registered in one or more countries.

FS1280EN Apr-08