



**AMFOR INC.**

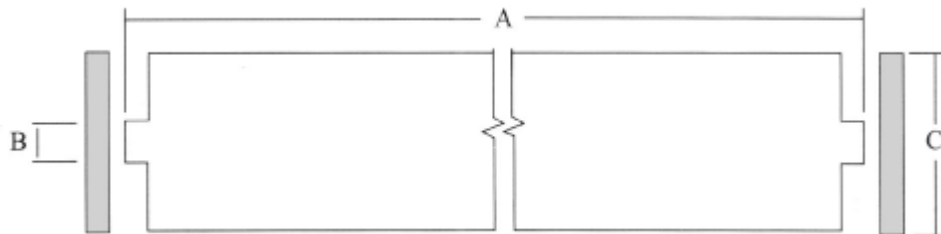
**HSRO MEMBRANE**

AMFOR<sup>®</sup> HSRO heat sanitizable reverse osmosis membrane elements deliver outstanding quality water with the added capability to withstand sanitization with hot water. HSRO elements have the highest active membrane area in the industry. This high area allows system design with either lower operating flux or cost saving from fewer membrane elements. The full-fit configuration minimizes stagnant area and is optimal for applications requiring a sanitary design. All components comply with FDA standards.

**Product Specification**

Product	Active Area ft <sup>2</sup> (m <sup>2</sup> )	Permeate Flow Rate gpd(m <sup>3</sup> /d)	Stabilized Salt Rejection %
HSRO-4040FF	90(8.4)	1900(7.2)	99.5
HSRO-390FF	390(36)	9000(34)	99.5

1. Permeate flow and salt rejection based on the following test conditions: 2000ppm NaCl, 150 psig (10.3bar), 77°F (25°C) and 15% recovery.
2. Permeate flows for individual elements may vary +/-20%



Product Type	Dimensions-inches (mm)		
	A	B	C
HSRO-4040FF	40.0(1016)	0.75(19)	3.9(99)
HSRO-390FF	40.0(1016)	1.125(29)	7.9(201)

**Operation Limits**

Maximum Operating Pressure ..... 600psi (41.0bar)  
 Maximum Operating Temperature ..... 158 (70C)  
 pH Range, Continuous Operation ..... 3-10  
 pH Range, Short-Term Cleaning (Max.@50°C) ..... 1-12  
 Maximum Feed water Turbidity ..... 1NTU  
 Maximum Feed Silt Density Index ..... 5  
 Free Chlorine Tolerance.....0.1ppm