

## LP400-LD Membrane Element

### Brief Introduction

LP400-LD membrane elements adopt LD 34mil feed channel spacer to improve the liquid turbulence on the surface of membrane, thus reducing the risk of colloid congestion and the frequency of cleaning.

LP series is normally suitable for treatment of brackish water, surface water, underground water and municipal water with TDS is less than 10000 ppm. It is mainly used for producing various scales of bottle water, drinking water, industrial used pure water, high purity water, boiler replenishment water, also for wastewater reuse, material concentration, purification and refining purposes.

Model	Active Membrane Area ft <sup>2</sup> (m <sup>2</sup> )	Permeate flow GPD(m <sup>3</sup> /d)	Stable Rejection Rate %	Feed Spacer Thickness mil
LP400-LD	400 (37.2)	10500 (39.7)	99.7	34-LD
<b>Testing Conditions</b>	Operating pressure at 225 psi (1.55Mpa)			
	Temperature at 25°C			
	Tested in 2000 mg/L NaCL solution			
	pH 7.0 ± 0.5			
	Recovery rate at 15%			
<b>Operation</b>	Maximum operating pressure		600psi (4.14Mpa)	
	Maximum feedwater flow		45°C	
	Maximum feedwater temperature		75gpm (17 m <sup>3</sup> /h)	
<b>Limits &amp; Conditions</b>	Maximum feedwater flow SDI <sub>15</sub>		5	
	Allowed pH range for feedwater in operation		2~11	
	Allowed pH range for chemical cleaning		1~13	
	Maximum concentration of free chlorine		<0.1ppm	
	Maximum pressure drop per element		15psi (0.1Mpa)	

**Size of Membrane Element:** 1.0 inch = 25.4 mm

