

ULP440-MAX Membrane Element

Brief Introduction

ULP440-MAX and LP440-MAX membrane elements can increase permeate flow by 15% and 20% respectively, while maintaining the required rejection rate. PURO-I membrane elements are more pollution-resistant and more resilient to a wide range of chemical cleaning than to its improved cross-link strength of Polyamide desalination layer.

Scope of Application

ULP Series series RO element normally suitable for treatment of surface water, underground water and municipal water with TDS is less than 2000 ppm. It is mainly applied in bottle water, drinking water, boiler replenishment water, food processing and pharmaceutical manufacturing industries and other fields.

Model	Active Membrane Area ft ² (m ²)	Permeate flow GPD(m ³ /d)	Stable Rejection Rate %	Feed Spacer Thickness mil
ULP440-MAX	440 (40.9)	12000 (45.4)	99.5	28
Testing Conditions	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%			
Operation	Maximum operating pressure		600psi (4.14Mpa)	
	Maximum feedwater flow		45°C	
	Maximum feedwater temperature		75gpm (17 m ³ /h)	
Limits & Conditions	Maximum feedwater flow SDI ₁₅		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

