

# KÖHLER

## Reverse Osmosis Membrane Elements

### ULP Series (Ultra Low Pressure)

#### Model: KM-ULP 4021-21

- **APPLICATION** ULP 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 <sup>2</sup> (m <sup>2</sup> )	Average Permeate Flow GPD(m <sup>3</sup> /d)	Stable Rejection Rate( % )	Feed Spacer Thickness mm
KM-ULP 4021-21	36 (3.3)	950 (3.6)	99.0	28
Testing Conditions	Operating pressure at 225 psi (1.55Mpa) Temperature at 25°C Tested in 1500 mg/L NaCL solution pH 7.0 ± 0.5 Recovery rate at 8%			
Operation Limits & Conditions	Maximum operating pressure Maximum feed water flow Maximum feed water temperature Maximum feed water flow SDI <sub>15</sub> Allowed pH range for feed water in operation		600psi (4.14Mpa) 45°C 16gpm (3.6 m <sup>3</sup> /h) 5 3~10	
	Allowed pH range for chemical cleaning		2~12	
	Maximum concentration of free chlorine		<0.1ppm	
	Maximum pressure drop per element		15psi (0.1Mpa)	

DIMENSUONS:	Model	A	B	C	D
	KM-ULP 4021-21	inches (mm) 21 (533.4)	inches (mm) 3.9 (99.7)	inches (mm) 0.75 (19.1)	inches (mm) 1.05 (26.7)

