

KÖHLER

Reverse Osmosis Membrane Elements

SW Series

Model: KM-SW 8040-400HRX

- **APPLICATION** Seawater desalination, desalination of brackish water with high concentration, boiler replenishment water in power plants, wastewater reuse, concentration and recovery of high value-added substances such as food and pharmaceuticals, etc.

Model	Active Membrane Area ft ² (m ²)	Average Permeate Flow GPD(m ³ /d)	Stable Rejection Rate(%)	Feed Spacer Stable Thickness mm
KM-SW 8040-400HRX	400 (37.2)	6000 (22.7)	99.85	28
Testing Conditions	Operating pressure 800 psi (5.52Mpa)			
	Temperature at 25°C			
	Tested at 32000mg/L NaCl solution pH 8			
	Recovery rate at 8%			
Operation Limits & Conditions	Maximum operating pressure		1200psi (8.28Mpa)	
	Maximum feed water flow		75gpm (17 m ³ /h)	
	Maximum feed water temperature		45°C	
	Maximum feed water flow SDI ₁₅		5	
Limits & Conditions	Allowed pH range for feed water in operation		2~11	
	Allowed pH range for chemical cleaning		1~13	
Limits & Conditions	Maximum concentration of free chlorine		<0.1ppm	
	Maximum pressure drop per element		15psi (0.1Mpa)	

DIMENSIONS:	Model	A	B	C
	KM-SW 8040-400HRX	inches (mm) 40.0 (1016)	inches (mm) 7.9 (201)	inches (mm) 1.125 (29)

