

ECONOMIC LOW ENERGY RO MEMBRANES

Offering uncompromised water quality when cost is your main consideration. The fibreglass wrapped WW-4040 and WW-4021 deliver new standards in quality and performance for economic RO membranes, making them a perfect choice for the competitively priced market. With rejection rates of 98.5% which outperforms many established pure water production membranes, while at the same time, beating entry level imported inferior alternatives on price and build quality. This membrane is for any business that requires a high rate of filtered water with a crystal clear finish.



FEATURES & BENEFITS



- Economic low energy RO membrane
- Up to 8350 litres per day of on-demand purified water
- Industry competitive salt rejection rates of 98.5%
- Robust construction with fibreglass outer wrap
- Available in two sizes: WW-4040 and WW-4021

MATERIALS OF CONSTRUCTION




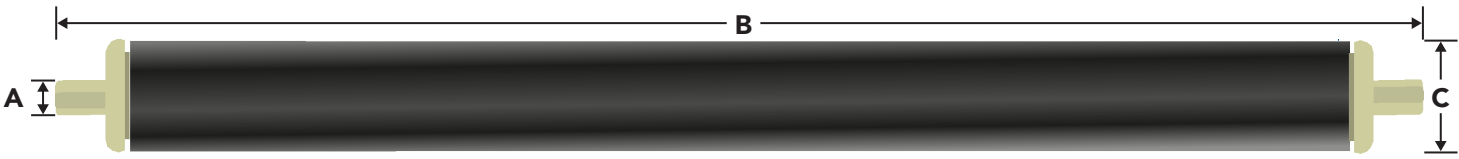
Membrane: Thin-Film Composite Polyamide
Outer Wrap: Fibreglass Wrap

TECHNICAL DATA





Maximum Operating Temperature (°C)	45	
Maximum Operating Temperature (°C) (over pH 10)	35	
Maximum Operating Pressure Differential (bar)	40	
Minimum Operating Pressure Differential (bar)	6.0	
Applied Pressure (bar)	6.9	
Maximum Feed Flow Rate (lpm)	4021	4040
	30	60
Minimum Feed Flow Rate (lpm)	8.3	15
Maximum Recommended Recovery (%)	15	25
pH Range, Continuous Operation	3 - 10	
pH Range, Short Term Cleaning	2 - 12 (30 minutes)	
Maximum Feed Silt Density Index (SDI)	5.5	
Chlorine Tolerance (mg/l)	<0.1	
Maximum Feed Water Turbidity (NTU)	<1	

DIMENSIONS




Product	Dimensions (")			Active Area ft² (m²)
	A	B	C	
WW-4021	0.75	21	3.93	36 (3.3)
WW-4040	0.75	40	3.93	90 (8.3)

PERFORMANCE

FLOW RATE

Code	LPH (m³/day)	Operating Pressure bar (psi)	Avg Rejection %
WW-4021	3.02	@	98.5
WW-4040	8.35	@	98.5

Testing Criteria:
Permeate flow and rejection based on feedwater of 350ppm NaCl, 22% recovery (4040,4021) and 25°C at the specified applied pressure.
Minimum salt rejection 97%
Permeate flows for individual membranes may vary ±20%

ORDERING GUIDE

Code	Diameter (")	Length (")
WW	40	21, 40

e.g. WW-4040

PRODUCT RANGE

The below products have often been associated with this product.



ERO

High production, lower pressure



SRO

High rejection



WW

Economic low energy RO membranes



SRO

RO for residential and small commercial applications



SRO-4611

For renal dialysis