



NAV BHARAT WATER PVT LTD
Sustainable Solutions

PRODUCT MANNUAL

TW

SW

BW



APPLICATION AREA



Steel, Power, Petrochemical

- Ultra-pure water and reuse
- Boiler recharge water
- Wastewater treatment



Metallurgy, Coal Chemical Industry, Electroplating

- Production of pure water
- Treatment of wastewater



Bio-Pharmaceutical

- Material separation and concentration
- Ultra-pure water production



Environmental Protection, Paper Making, Textile Printing and Dyeing

- Recycling water
- Standard discharge of landfill leachate and waste water:
- Decolorization and COD removal of water waste



Food, Drink, Dairy products

- Production of pure water



Urban Water Supply

- Seawater desalination
- Direct drinking water & drinking water production

Navbharat Water Industrial SW-4040 RO Membrane Series

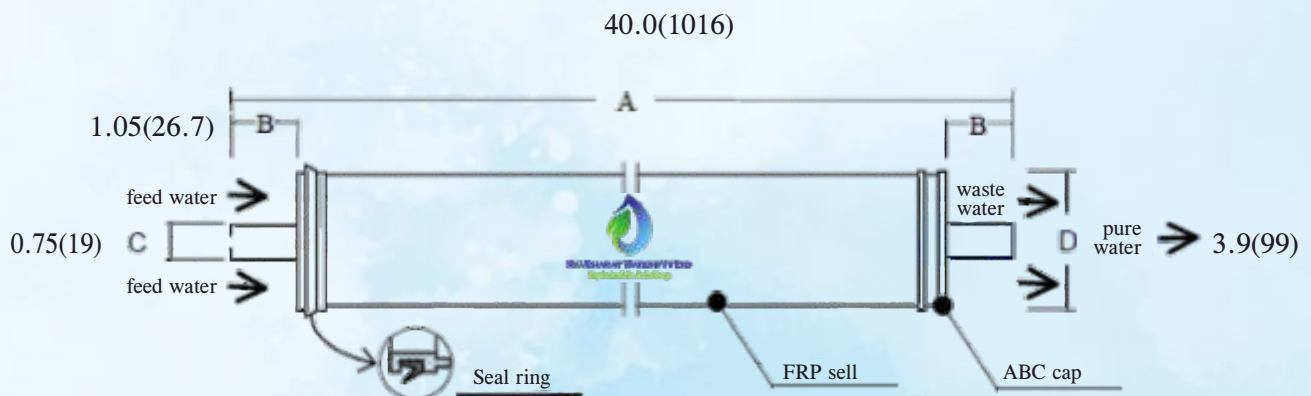


1. Testing Condition and Performance

Model	Sheet area ft ² (m ²)	Pressure psi(MPa)	Flow GPD (m ³ /d)	Salt Rejection (%)
SW-4040-HR	85(7.9)	800(5.5)	1600(6.1)	99.8
SW-4040-HF	85(7.9)	800(5.5)	1900(7.2)	99.7
SW-4040-FR	85(7.9)	800(5.5)	1600(6.1)	99.8

- The flow and rejection are based on following testing condition: 2000ppm softened tap water 、 temperature 25°C 、 pH7.5-8 、 recovery rate 15% and above testing pressure
- One single membrane flow may fluctuate within $\pm 15\%$

2. Membrane Size



Model - SW-4040

3. Operation limits and condition

Operation Limits	Membrane type	Polyamide composite Membrane
	Maximum feed water temperature	45° C
	Maximum operating pressure	1200psi (8.3Mpa)
	Maximum feed water flow	14GPM (3.2m ³ /h)
	Minimum concentrated water flow	3GPM (0.7m ³ /h)
	pH range during operation	3-10
	pH range during chemical cleaning	2-12
	Maximum feed water SDI15	5
	Maximum influent turbidity /NTU	1
	Free chlorine tolerance (mg/L)	0.1
	Maximum pressure drop of one element	15 (0.1)psi (MPa)

Navbharat Water Industrial SW-8040 RO Membrane Series

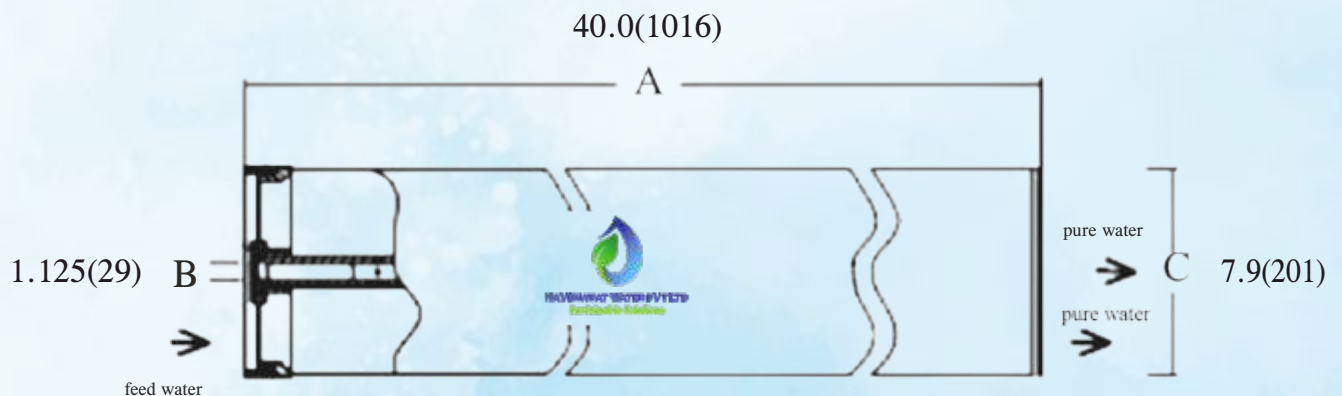


1. Testing Condition and Performance

Model	Sheet area ft ² (m ²)	Pressure psi(MPa)	Flow GPD (m ³ /d)	Salt Rejection (%)
SW-8040-HR	400(37)	800(5.5)	7500(28.4)	99.8
SW-8040-HF	400(37)	800(5.5)	11000(41.6)	99.7
SW-8040-FR	365(33.9)	800(5.5)	6000(22.7)	99.85

- The flow and rejection are based on following testing condition: 2000ppm softened tap water 、 temperature 25°C 、 pH7.5-8 、 recovery rate 15% and above testing pressure
- One single membrane flow may fluctuate within $\pm 15\%$

2. Membrane Size



Model - SW-8040

3. Operation limits and condition

Operation Limits	Membrane type	Polyamide composite Membrane
	Maximum feed water temperature	45° C
	Maximum operating pressure	1200psi (4.14Mpa)
	Maximum feed water flow	85GPM (19m ³ /h)
	Minimum concentrated water flow	3GPM (0.7m ³ /h)
	pH range during operation	3-10
	pH range during chemical cleaning	2-12
	Maximum feed water SDI15	5
	Maximum influent turbidity /NTU	1
	Free chlorine tolerance (mg/L)	0.1
	Maximum pressure drop of one element	15 (0.1)psi (MPa)



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Sustainable Solutions

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