

Spiral-Wound RO Element for Brackish Water



Feature

- Polyamide spiral-wound RO element
- Compatible with other spiral-wound RO elements
- Supported by our experienced technical staff

Application

- Brackish water, ground water treatment
- 2nd pass of RO desalination plant
- Wastewater treatment
- Production water supply system for electronics, power, etc.

Product list

Type	Model	Diameter	Membrane Surface Area	Feed Spacer Thickness	Permeate Flow ^{*3}	Salt Rejection
		inch	ft ² (m ²)	mil	GPD (m ³ /d)	%
Standard ^{*1}	SB815-1	8	400 (37.2)	28	10,500 (39.7)	99.6
	SB415-1	4	85 (7.9)	28	2,500 (9.5)	99.6
High flux ^{*1}	SB815HF	8	440 (40.9)	28	13,000 (49.2)	99.5
	SB415HF	4	100 (9.3)	28	2,900 (11)	99.5
High flux & Ultra low pressure ^{*2}	SB810HF	8	440 (40.9)	28	12,500 (47.3)	99.5
	SB410HF	4	100 (9.3)	28	2,700 (10.2)	99.5
Fouling resistance ^{*1}	SL815	8	365 (33.9)	34	9,500 (35.9)	99.7
	SL415	4	78 (7.3)	34	2,000 (7.6)	99.6
High flux & Fouling resistance ^{*1}	SL815HF-2	8	400 (37.2)	34	11,500 (43.5)	99.75
	SL415HF-2	4	85 (7.9)	34	2,300 (8.7)	99.6

Performance test condition (*1) : Feed water pressure 225 psi (1.55 MPa); Feed water temperature 25 deg.C; Feed water concentration 2,000 mg/L as NaCl; Recovery rate 15%; Feed water pH 7.5-8.0

Performance test condition (*2) : Feed water pressure 150 psi (1.03 MPa); Feed water temperature 25 deg.C; Feed water concentration 1,500 mg/L as NaCl; Recovery rate 15%; Feed water pH 7.5-8.0

*3 : The permeate flows of single elements may vary $\pm 15\%$.

(Permeate flow, salt rejection and all the data are nominal value, not guaranteed value.)

Operating limits

Maximum Pressure	600 psi (4.14 MPa)	Maximum Feed water SDI₁₅	5
Maximum Temperature	45 deg.C	pH range during operation	3 - 10
Maximum Feed water flow	17 m ³ /hr : 8 inch	Free chlorine of feed water	Not detectable
	3.6 m ³ /hr : 4 inch	Maximum element pressure drop	0.1 MPa (15 psi)

Contact us

TOYOBO MC Corporation
 Water Treatment Membrane Sales Unit
 Phone : +81-6-6348-3360
 E-mail : Membrane@toyobo-mc.jp

Arabian Japanese Membrane Company, LLC
 Kingdom of Saudi Arabia
 Phone : +966-11-462-9545
 E-mail : ajmc_sales@ajmc.com.sa