

A SERIES | AG Elements

Reverse Osmosis

Brackish Water, High Rejection

The A-Series family of proprietary thin-film reverse osmosis membrane elements are characterized by high flux and excellent sodium chloride rejection.

AG High Rejection Brackish Water Elements are selected when high rejection and operating pressures as low as 200 psig are desired. These elements allow moderate energy savings, and are considered a standard in the industry.

AG High Rejection Brackish Water Elements feature tape, net, fiberglass and Durasan™ outer wrap and standard feed spacers.

ELEMENT SPECIFICATIONS

MODEL	FLOW GPD (m ³ /d)	REJECTION AVG./MIN.	ACTIVE AREA FT ² (m ²)
AG2540FF	710 (2.7)	99.5% / 99.0%	28 (2.6)
AG2540TF	710 (2.7)	99.5% / 99.0%	28 (2.6)
AG4025T	1,560 (5.9)	99.5% / 99.0%	60 (5.6)
AG4026F	1,560 (5.9)	99.5% / 99.0%	60 (5.6)
AG4040C	2,350 (8.9)	99.5% / 99.0%	90 (8.4)
AG4040CF	2,350 (8.9)	99.5% / 99.0%	90 (8.4)
AG4040FF	2,200 (8.3)	99.5% / 99.0%	85 (7.9)
AG4040NF	2,200 (8.3)	99.2% / 98.5%	85 (7.9)
AG4040TF	2,200 (8.3)	99.5% / 99.0%	85 (7.9)
AG8040C	9,850 (37.3)	99.5% / 99.0%	380 (35.3)
AG8040F	10,000 (34.8)	99.5% / 99.0%	365 (32.5)
AG8040F-400	11,000 (39.8)	99.5% / 99.0%	400 (37.2)
AG8040N	9,200 (34.8)	99.2% / 98.5%	350 (32.5)
AG8040N-400	10,500 (39.8)	99.2% / 98.5%	400 (37.2)

Specification is based on a 2,000 mg/L NaCl solution at 225 psi (1,551 kPa) operating pressure, 77°F (25°C), pH 7.5 and 15% recovery. Individual flux may vary +25%/-15%. Average salt rejection after a minimum of 24 hours of continuous operation.

OPERATING AND DESIGN PARAMETERS

THIN-FILM MEMBRANE (TFM™)

TYPICAL OPERATING PRESSURE	TYPICAL OPERATING PROCESS FLUX	MAXIMUM PRESSURE	MAXIMUM TEMPERATURE	RECOMMENDED pH	CHLORINE TOLERANCE
200 psig (1,379 kPa)	10-20 GFD (15-35 LMH)	600 psig (4,137 kPa) TAPE 450 psig (3,103 kPa)	122°F (50°C)	Optimum Rejection pH: 7.0-7.5 Operating pH Range: 4.0-11.0 Cleaning pH range: 2.0-11.5	1,000 ppm-hrs., Dechlorination recommended

Feed NTU: <1, Feed SDI: <5



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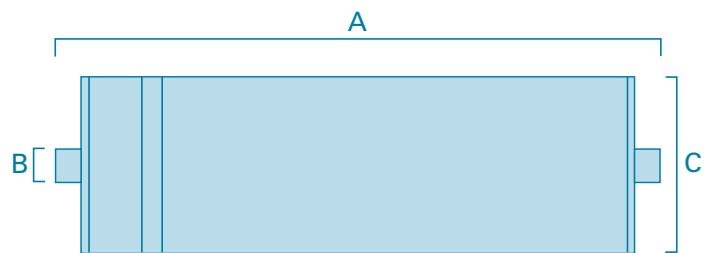
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MAXIMUM PRESSURE DROP	ELEMENTS PER PRESSURE VESSEL					
	1	2	3	4	5	6
ΔP - psig (kPa)	10 (69)	20 (138)	30 (207)	38 (262)	45 (310)	50 (345)

ELEMENT DIMENSIONS AND WEIGHT

MODEL NUMBER LEGEND



MODEL	DIMENSIONS INCHES(MM)			DRY BOXED
	A	B	C*	WEIGHT LBS (KG)
AG2540FF	40.00 (1016)	0.750 (19)	2.40 (61)	5 (2.3)
AG2540TF	40.00 (1016)	0.750 (19)	2.40 (61)	5 (2.3)
AG4025T	25.00 (635)	0.625 (16)	3.88 (99)	5 (2.3)
AG4026F	26.25 (667)	0.625 (16)	3.88 (99)	6 (2.7)
AG4040C	39.25 (1016)**	0.625 (16)	3.88 (99)	12 (5.5)
AG4040CF	40.00 (1016)	0.750 (19)	3.88 (99)	12 (5.5)
AG4040FF	40.00 (1016)	0.750 (19)	3.88 (99)	12 (5.5)
AG4040NF	40.00 (1016)	0.750 (19)	3.88 (99)	12 (5.5)
AG4040TF	40.00 (1016)	0.750 (19)	3.88 (99)	12 (5.5)
AG8040C	40.00 (1016)	1.125 (29)	7.88 (200)	32 (14.5)
AG8040F	40.00 (1016)	1.125 (29)	7.88 (200)	32 (14.5)
AG8040F-400	40.00 (1016)	1.125 (29)	7.88 (200)	32 (14.5)
AG8040N	40.00 (1016)	1.125 (29)	7.88 (200)	32 (14.5)
AG8040N-400	40.00 (1016)	1.125 (29)	7.88 (200)	32 (14.5)

* The element diameter (dimension C) is designed for optimum performance in GE pressure vessels. Other pressure vessel dimension and tolerance may result in excessive bypass and loss of capacity.

** Including ATDs



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