

AMI[®] MEMBRANES

TECHNICAL DATA SHEET SEAWATER RO MEMBRANE

AMI SWRO MEMBRANES FOR SEA RECOVERY AQUA MATIC & AQUA WHISPER SYSTEMS

Model No.	Permeate Flow Rate (+/- 10%)		Size (Dia. " x L")	Single Element Recovery	Minimum Salt Rejection	Stabilized Salt Rejection
	GPD	M ³ /day				
M-S3021A	450	1.7	3.0" x 21"	15%	99.4%	99.6%
M-S3031A	700	2.6	3.0" x 31"	8%	99.4%	99.6%
M-S3040A	900	3.4	3.0" x 40"	15%	99.4%	99.6%

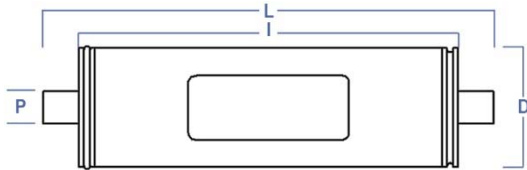
Note: Permeate flow and salt rejection based on 32,000 ppm NaCl feed stream, 800 psi (5.5 MPa) applied pressure, 77°F (25°C) feed water temperature, pH 8, with recovery listed above. Element Permeate flow may vary +/- 20%.



OPERATING LIMITS

Maximum Operating Pressure:	1,000 psig (6.9 MPa)	Chlorine Tolerance:	<0.1 ppm
Maximum Feed Flow Rate:	9 gpm	Maximum Pressure Dop:	15psig (1 bar)
Maximum Operating Temperature:	113°F (45°C)	Feed Water pH (continuous):	2-11
Maximum Feed SDI:	5 (15 min)	Cleaning pH (30 min.):	1-13

DIMENSIONS



Models	L – Inches (mm)	I – Inches (mm)	D – Inches (mm)	P – Inches (mm)
M-S3021A	21 (53.3)	19 (48)	3.0 (7.62)	0.75 (1.9)
M-S3031A	31 (78.74)	29 (73.66)	3.0 (7.62)	0.75 (1.9)
M-S3040A	40 (101.6)	38 (96.5)	3.0 (7.62)	0.75 (1.9)

COMPATIBILITY INFORMATION

Model No.	Replaces AquaPro	For use in Parker Racor Sea Recovery Systems
M-S3021A	2724011233	Aquamatic, Aqua Whisper DX, Aqua Whisper PRO: 450-1, 900-2; Aqua Whisper Mini: AM 170; Ultra Whisper: 200
M-S3031A	2724011333 33-3004	Aquamatic, Aqua Whisper DX, Aqua Whisper PRO: 700-1, 1400-2; Aqua Whisper Mini: AM 350, AM 550
M-S3040A	2724011433	Aquamatic, Aqua Whisper DX, Aqua Whisper PRO: 900-1, 1800-2; Aquamatic XL: 2200, 2600, 2800, 3400; Aqua Whisper Mini: AM 750; Ultra Whisper: 400, 600; Java Sea & Coral Sea Series

IMPORTANT OPERATING INFORMATION

1. Prevent elements from freezing, or being exposed to direct sunlight.
2. Discard the permeate from the first hour of operation.
3. Permeate flow varies with feed water temperature and pressure.
4. Membrane Elements for residential systems have a one year warranty from the date of shipment. Warranty is void for membrane elements fouled by suspended solids, precipitates or biological growth. Membrane warranty is also void if the membrane elements are improperly used, poorly maintained or improperly stored.
5. Applied Membranes' obligation under this warranty is limited to and shall be fully discharged by repairing or replacing any defective part FOB its works. Applied Membranes shall not be liable for damages or delay caused by defective material. Please refer to detailed warranty information.
6. Warranty claims for membrane elements must be made as detailed in Membrane Warranty Claims Bulletin.

APPLIED MEMBRANES INC.[®]

Industry Leader in RO Expertise and Membrane Applications since 1983[™]

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