



Fischer Panda

AQUA MATIC SPECIFICATIONS



Performance

Rated Performance / Product Water Produced: +-15% at 820 PSI / 56.5 bar, 77°F / 25°C & 35,000 PPM TDS typical sea water

Production

Model #	Per Hour	Per Day
450-1	19 gal / 71 lit	450 gal / 1,703 lit
700-1	29 gal / 110 lit	700 gal / 2,650 lit
900-1	38 gal / 142 lit	900 gal / 3,407 lit
900-2	38 gal / 142 lit	900 gal / 3,407 lit
1400-2	58 gal / 221 lit	1400 gal / 5,300 lit
1800-2	75 gal / 284 lit	1800 gal / 6,814 lit

Salt Rejection (Chloride Ion)

Minimum 99.2%, Average 99.4%

Product Water Temperature

Ambient to feed water temperature

Pressure Adjustment

Automatically controlled

Fischer Panda UK Ltd. 17 Blackmoor Road,
 Ebblake Industrial Estate, Verwood. Dorset BH31 6AX
 Tel: +44 (0)1202 820840 Fax: +44 (0)1202 828688
www.fischerpanda.co.uk



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Salinity Monitoring Automatic electronic monitoring. Temperature compensated with the digital continuous readout. The salinity monitoring components of the system give a continuous TDS readout in ppm (parts per million), are temperature compensated, and of a fail safe design.

Salinity Range Designed for seawater use up to 50,000 PPM TDS (NaCl) (typical seawater salinity is 35,000 ppm)

Temperature Range Max. 122°F / 50°C, Min. 33°F / .5°C

System Feed Water Flow: 4.5 gpm / 17 lpm (depending on system)

Reverse Osmosis Membrane Selected High Rejection/High Yield aromatic tri-polyamid, thin film composite, spiral wound, single pass, high rejection reverse osmosis membrane element.

Chlorine Tolerance 0.1 PPM

pH Range 3-11 (typical seawater pH is 8)

System Pressure Feed Water: Maximum 35 psi / 2.41 bar / 2.46 Kg/cm²

System Operation Seawater nominal 820 psi / 56.5 bar / 57.66 Kg/cm²

Weight	Model Number	Compact	Modular
	450-1	153 lbs / 69 Kg	149 lbs / 68 Kg
	700-1	156 lbs / 71 Kg	152 lbs / 69 Kg
	900-1	158 lbs / 72 Kg	154 lbs / 70 Kg
	900-2	165 lbs / 75 Kg	161 lbs / 73 Kg
	1400-2	171 lbs / 76 Kg	167 lbs / 76 Kg
	1800-2	176 lbs / 80 Kg	172 lbs / 78 Kg

External Installation Water Connections Pipe sizes to be supplied by the installer for connection of the SRC supplied components. The below pipe threads are all US Standard.

Feed Inlet: 3/4" FNPT Female National Pipe Thread
Brine Discharge: 3/4" FNPT Female National Pipe Thread
Product: 3/8" MNPT Male National Pipe Thread



Electrical Requirements

(NOA = Normal Operating Amps; SUC = Start Up Current)

Radial Axial Pump

Phase	Pump Motor	Hz	VAC	NOA	SUC
Single	High Pressure	50	110-115	35	95
Single	Booster	60	220-230	17.5	48
Three	High Pressure	50	220 - 230	11	30
Three	Booster	60	380 - 460	5.5	15

Circuit Breaker Size - Radial Axial Pump

Operating AC Voltage	Phase	Recommended Circuit Breaker
110-115 / 220-230	Single	45 Ampere / 25 Ampere
220 / 380 / 460	Three	15 Ampere / 10 Ampere / 10 Ampere



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AQUA MATIC DIMENSIONS

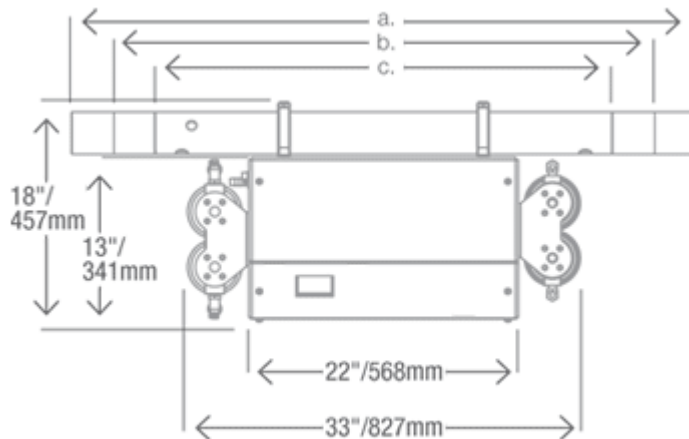
AQUA MATIC COMPACT MODEL

Front View ⇒



Overhead View ⇒

- a. Model 450-1 & 900-2
27 15/16" (710mm)
- b. Model 700-1 & 1400-2
37 15/16" (964mm)
- c. Model 900-1 & 1800-2
46 15/16" (1192mm)



AQUA MATIC MODULAR MODEL

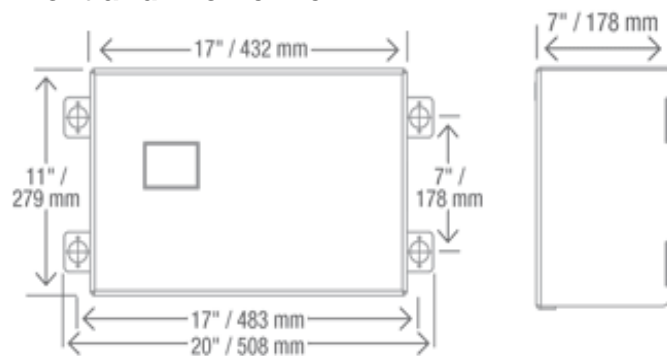
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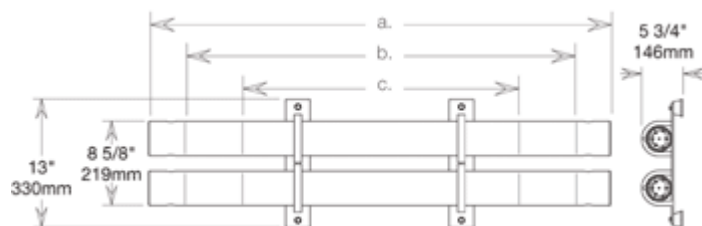
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Front and Profile View ⇒



R.O. Membrane Assembly ⇒

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