



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

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)

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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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