



# Fischer Panda

## AQUA WHISPER DX SERIES WATERMAKER – SPECIFICATION



**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** User adjusted (manual)

**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.

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](http://www.fischerpanda.co.uk)



# Fischer Panda

**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/cm<sup>2</sup>

**System Operation** Seawater nominal 820 psi / 56.5 bar / 57.66 Kg/cm<sup>2</sup>

Weight	Model Number	Compact	Modular
	450-1	157 lbs / 69 Kg	153 lbs / 68 Kg
700-1	160 lbs / 71 Kg	156 lbs / 69 Kg	
900-1	162 lbs / 72 Kg	158 lbs / 70 Kg	
900-2	169 lbs / 75 Kg	165 lbs / 73 Kg	
1400-2	175 lbs / 76 Kg	171 lbs / 76 Kg	
1800-2	180 lbs / 80 Kg	175 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)

Plunger Pump	Phase	Pump Motor	Hz	VAC	NOA	SUC
	Single	High Pressure	50	110-115	30	90
Single	Booster	60	220-230	15	45	
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 A / 20 A
220 / 380 / 220-230	Three	15 A / 10 A / 10A	