

# PT-SD500

## Desalination System.

**Puretron®**



• High pressure electricity cut-off protection



• Pre-filtration filters



• Flow meter and Pressure gauge for inspection



• Connectors with Build-in type



• Electronic control modularization



### Specification.

Model	Capacity GPD (m <sup>3</sup> /d)	Rejection rate	Case type	HorsePower	Voltage & Phase
PT-SD200	200 / 0.76	99.2%	Bracket type/Box type	1 HP	110V / 220V 1 Phase or 3 Phase
PT-SD500	500 / 1.89	99.2%	Bracket type/Box type	1 HP	110V / 220V 1 Phase or 3 Phase
PT-SD800	750 / 2.8	99.2%	Bracket type/Box type	1 HP	110V / 220V 1 Phase or 3 Phase
PT-SD1500	1400 / 5.3	99.5%	Bracket type/Box type	3 HP	220V 1 Phase or 3 Phase
PT-SD3000	2800 / 10.6	99.5%	Bracket type	3 HP	220V 1 Phase or 3 Phase

• Please contact with our company for having customizes system if you have other requirements.

### Advantages:

- Case appearances: #SS304 2mm powder-paint coating for antirust treatment.
- FRP membrane housing, pressure resistance 1000psi (70kg)
- Safety Device: Pressure can be adjusted; the system will be shutoff when the pressure is overloaded.
- Safety Device: Optional for having fresh water selector valve to avoid to getting sea water.
- Period of Use: Suggest add system to expand longer life-span.
- Warranty: One year from the shipping date under to normal use only. Any damage caused by misuse of users shall not be covered by the warranty hereof.
- Place of Origin: 100% Made in Taiwan.

**TRIWIN WATERTEC CO., LTD.**



## Components of Sea-Desalination System introduction

Main System Component	Main System (PURTRON)	Main System (Other brand)
Case appearance	Material #SS304 with powder-paint coating (lily white) for antirust treatment.	Material #SS304, without antirust treatment
Water shortage protection	Use the diaphragm for water shortage switch which will avoid the salt scaling to cause any detection error.	No diaphragm for water shortage switch and it will be easily to get block by salt scaling.
Feed water valve	PVC full flow electric valve is better than the traditional solenoid valve which not easily to get block.	The traditional solenoid valve will be easily to get block due to small aperture.
Flushing valve	#SS316 full flow electric valve is better than the traditional solenoid valve which not easily to get block and also pressure resistance to 200PSI safely.	The traditional solenoid valve will be easily to get block due to small aperture.
5 micron pre-filtration filter	10" BIG BLUE filter, life spend is much longer than the traditional one.	Used the traditional filter and need to replace often.
RO membrane housing	FRP 1000PSI high pressure housing, acid and alkali resistance, and also could supply 1200PSI housing for the waste water procedure if any request.	Used the 1000PSI housing only.
High pressure electricity cut-off protection	Power off when the working pressure is over the safety standard.	No installation
Pressure gauge	Pressure gauge with diaphragm will extend the life-span and easy for reparation.	No diaphragm in pressure gauge
Piston pump	Material for 8L piston pump: cupro-nickel, 316 Material for 24L piston pump: 316	Material: speculum metal
High pressure pipe	Material: 316 Pressure resistance: over 200kg	Material: 316 Pressure resistance: over 100kg
Hoisting packing	Can use detachable ring on system itself when do the hoisting packing	No installation
Transportation	The connectors are all Built-in type which will not be easily to cause damage during transportation.	No installation

