



TORONTECH™

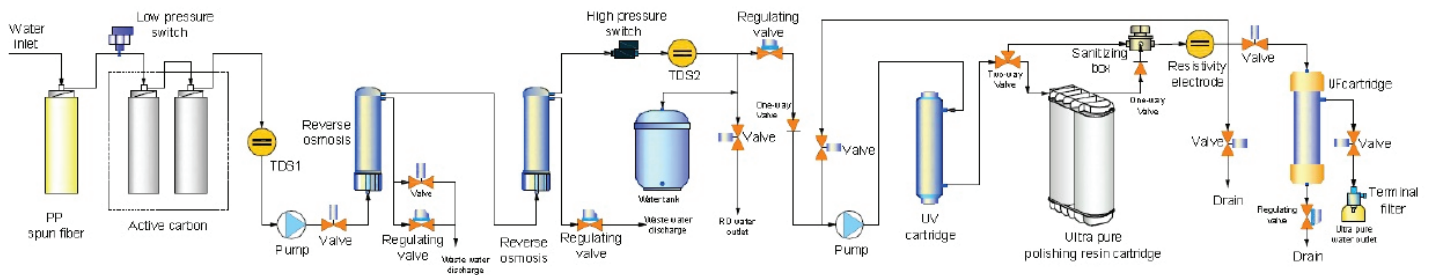
Specializing in Testing Equipment, Instruments & Supplies

Analytical Instruments

Water Purification / Water Purifier - Alpha Series

Advantages

- Pipeline with NSF authorization to assure high quality ultra-pure water
- Automatic microcomputer controlling system with multi-menu operation and display
- Automatically detects fault and performs diagnostic
- Alarm notifications for water quality, no water in system and consumables ending
- Displays consumables residual life and informs the user to replace consumables
- On-line water quality monitoring systems which monitor the inlet, reverse osmosis (RO) and ultra pure water's
- Built-in system disinfection procedure
- Embedded sterilization program to achieve full disinfection
- Unique design of consumables which are easy to replace
- Built-in 10L water tank to save place and external tank is available
- RS232 interface records water quality automatically when using the external device
- The instrument's exterior consists of high-strength plastic in an elegant design
- Reverse osmosis membrane of DOW, stable operation and high desalination rate
- DOW's nuclear-grade resin ensures ultra-pure water up to 18.2 MΩ-cm
- Double wavelength (185&254nm) UV lamp to restrain bacteria's increase
- MWCO 5000D UF module, effectively eliminating endotoxin
- (0.45+0.2)µm polyether alternative compound filter terminal & disinfection filter
- Fast-plug pipeline to ensure quick and hygienic environment
- Super-large LCD display which displays the running state and various parameters



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Advantages of Alpha Series - Ultra Pure Water System- Tap Water Inlet

- Urban drinking tap water inlet
- Built-in 10L water tank to save place
- Unique design of consumables which are easy to replace
- Can add external tank to provide more water yield
- Built-in system disinfection procedure
- Embedded sterilization program
- On-line water quality monitoring.
- Timing, qualitative water function
- Super-large LCD display
- Automatic micro computer control system
- Fault automatic detect by itself

Technical Specifications

Model	Standard	Eliminating endotoxin	Low TOC	Synthesizing
	Alpha 12	Alpha 12F	Alpha 12V	Alpha 12FV
	Alpha 24	Alpha 24F	Alpha 24V	Alpha 24FV
Endotoxin	-	<0.001EU/ml	-	<0.001EU/ml
TOC*		10ppb		3ppb
Output of pure water			12L/hr or 24L/hr	
Output of ultra pure water			>1.5L/min	
Resistivity of ultra pure water			18.2MΩ-cm	
Bacteria			<1CFU/ml	
Particle (>0.1µm)			<1/ml	
Heavy metal ion			<0.1ppb	
Conductivity of RO water			< Conductivity of tap water×5%	
Dimension and weight	Length: 550mm,Width: 390mm,Height: 610mm, Weight: about 20Kg			
Electrical requirements	AC110-220V,50/60Hz			
Power	120W			

*The quality of output water accords with the quality of inlet water



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Advantages of Alpha Series - Ultra Pure Water System - Distilled Water Inlet

- Distilled water, deionized water or reverse osmosis water inlet
- Produce 18.2MΩ-cm ultra pure water
- Unique design of consumables which are easy to replace
- Built-in system disinfection procedure
- Built-in circulating system
- On-line water quality monitoring
- Timing, qualitative water function
- Super-large LCD display
- Automatic micro computer control system
- Fault automatic detect by itself

Technical Specifications				
Model	Standard	Eliminating endotoxin	Low TOC	Synthesizing
	Alpha	Alpha F	Alpha V	Alpha FV
Endotoxin	-	<0.001EU/ml	-	<0.001EU/ml
TOC*		10ppb		3ppb
Inlet water requirement		Distilled water, deionized water or reverse osmosis water, 5-45°C1atm.		
Output of ultra pure water		>1.5L/min		
Resistivity of ultra pure water		18.2MΩ-cm		
Bacteria		<1CFU/ml		
Particle (>0.1μm)		<1/ml		
Heavy metal ion		<0.1ppb		
Conductivity of RO water		< Conductivity of tap water×5%		
Dimension and weight		Length: 550mm, Width: 390mm, Height: 610mm, Weight: about 20Kg		
Electrical requirements		AC110-220V,50/60Hz		
Power		120W		



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Water Purification / Water Purifier - Alpha Series

Part #	Description - Main Unit & Customizable Options
TT-ALPHA12	Water Purification Alpha 12 - Tap water inlet, output 12L/hr, TOC 10ppb
TT-ALPHA12F	Water Purification Alpha 12F - Tap water inlet, output 12L/hr, Endotoxion 0.001EU/ml, TOC 10ppb
TT-ALPHA12V	Water Purification Alpha 12V - Tap water inlet, output 12L/hr, TOC 3ppb
TT-ALPHA12FV	Water Purification Alpha 12FV - Tap water inlet, output 12L/hr, Endotoxion 0.001EU/ml, TOC 3ppb
TT-ALPHA24	Water Purification Alpha 24 - Tap water inlet, output 24L/hr, TOC 10ppb
TT-ALPHA24F	Water Purification Alpha 24F - Tap water inlet, output 24L/hr, Endotoxion 0.001EU/ml, TOC 10ppb
TT-ALPHA24V	Water Purification Alpha 24V - Tap water inlet, output 24L/hr, TOC 3ppb
TT-ALPHA24FV	Water Purification Alpha 24FV - Tap water inlet, output 24L/hr, Endotoxion 0.001EU/ml, TOC 3ppb
TT-ALPHA	Water Purification Alpha - Distilled water inlet
TT-ALPHA F	Water Purification Alpha F - Distilled water inlet, Endotoxion 0.001EU/ml, TOC 10ppb
TT-ALPHA V	Water Purification Alpha V - Distilled water inlet, TOC 3ppb
TT-ALPHA VF	Water Purification Alpha VF - Distilled water inlet, Endotoxion 0.001EU/ml, TOC 3ppb

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