Dura Series Ultrapure Water System (Distilled Water Inlet)

LCD display

- Display system running status and parameters real-time

Built-in 2 water tank

- Built-in 5.8 liters PE tank and 10 liters airtight plastic pressure water tank
- Save more lab space

Unique design consumables

- Integrated design of pretreatment and subsequent purification unit
- New card hawk type fast inserted interface, easy to replace

Built-in 3 pumps

- Built-in 1st stage RO pump, 2nd stage RO pump and circulating sanitizing pump
- Achieve the perfect functions of double stage reverse osmosis, sanitizing and circulating

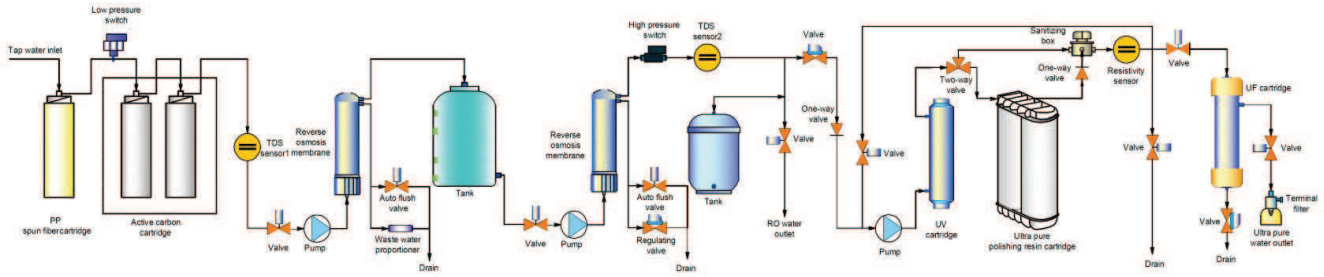
Advantage

- **Double stage reverse osmosis technology, built-in 2 tanks and 3 pumps.**
- **Unique design and easy-to-replace consumables pack unit.**
- **Data storage and RS 232/USB communication port.**
- Automatic microcomputer controlling system, multi-menu operating, animation mode display.
- Super-large 240×128 LCD display, display the system running state and various parameters intuitively.
- Fault automatically detect, automatic diagnosis.
- Self-maintenance of the reverse osmosis membrane.
- Multiple alarm-including inlet water over standard, no water, full water, consumables' life-span ends, malfunction auto-detect.
- The consumables' life-span can be set, the time used and left can be displayed, replacing auto-reminding, avoiding the decline of water quality.
- 3-way online sensor, detecting the quality of feed water, RO water and ultrapure water respectively. System circulation function, circulate water when the system stops working, to keep water quality. System sterilization procedure, achieve the disinfection of ultrapure water's pipeline
- Molding process, high-strength plastic shell, beautiful appearance.
- RO membrane of DOW, stable operation and high desalinization rate.
- DOW's nuclear-grade polishing resin ensures ultrapure water's quality up to 18.2 MΩ.cm.
- Double wavelength (185&254nm) UV lamp, restraining bacteria's increase.
- MWCO 5000D UF module, effectively eliminating endotoxin.
- (0.45+0.1)μm double layer PES terminal disinfection filter.
- Fast-plug pipeline, hygienic and quick.
- Pipeline with NSF authorization to assure high quality ultrapure water

Advantages

- Double stage reverse osmosis technology.
- With tap water inlet, to produce double stage RO water and ultrapure water, quality can reach to18.2 MΩ.cm.
- Built-in 5.8 liters PE tank and 10 liters airtight plastic pressure water tank.
- Built-in 1st stage RO pump, 2nd stage RO pump and circulating sanitizing pump.
- Unique design and easy-to-replace consumables pack unit.
- Data storage and RS 232/USB communication port.
- 3-way online water quality sensor, multiple alarm.
- Life-span of consumables' display and alarm.
- System circulation function, system sterilization procedure.
- The graphic display clearly indicates all system's parameters.
  From water quality to knowing when it is time to change the purification pack, you'll see at a glance what is need
- For ease-of-use, the main purification technologies are contained in an innovative all-in-one pack that mean you can change it in just a couple of minutes.
- The system requires no special installation, connect the system to your tap water supply - it's ready to use.

Flow Schematic



Specification of Dura Series Ultrapure Water System (Tap Water Inlet)

Model	Standard ST-Dura 12 ST-Dura 24	Eliminating endotoxin ST-Dura 12F ST-Dura 24F	Low TOC ST-Dura 12V ST-Dura 24V	Synthesizing ST-Dura 12FV ST-Dura 24FV
Output (25°C)	12 Series: 12L/hours, 24 Series: 24 L/hours			
Flow rate(with pressure tank)	>1.5L/minutes			
Resistivity of ultrapure water (25°C)	18.2MΩ.cm			
TOC*)	10ppb		3ppb	
Endotoxin	-	<0.001EU/ml	-	<0.001EU/ml
Bacteria	<1CFU/ml			
Particle (>0.1μm)	<1/ml			
Heavy metal ion	<0.1ppb			
Conductivity of 2 stage RO water	1-5μs/cm*			
Feed Water Requirements	tap water, temperature: 5 - 45 , Pressure: 1.0 - 4.0 Kgf/cm2			
Dimension	545L × 470W × 610H mm /			
Weight	about 20Kg			
Electrical requirements	AC110-220V, 50/60Hz, 240W			

* The quality of output water accords with the quality of feed water.

Advantages

- With distilled water, deionized water or reverse osmosis water inlet, to produce high pure water and ultrapure water
- High pure water 's quality is above10 MΩ.cm, and ultrapure water's quality can reach to18.2 MΩ.cm.
- Unique design and easy-to-replace consumables pack unit.
- Data storage and RS 232/USB communication port.
- 3-way online water quality sensor, multiple alarm.
- Life-span of consumables' display and alarm.
- System circulation function, system sterilization procedure.
- The graphic display clearly indicates all system's parameters. From water quality to knowing when it is time to change the purification pack, you'll see at a glance what is need
- For ease-of-use, the main purification technologies are contained in an innovative all-in-one pack that mean you can change it in just a couple of minutes.
- The system requires no special installation, connect the system to your tap water supply - it's ready to use

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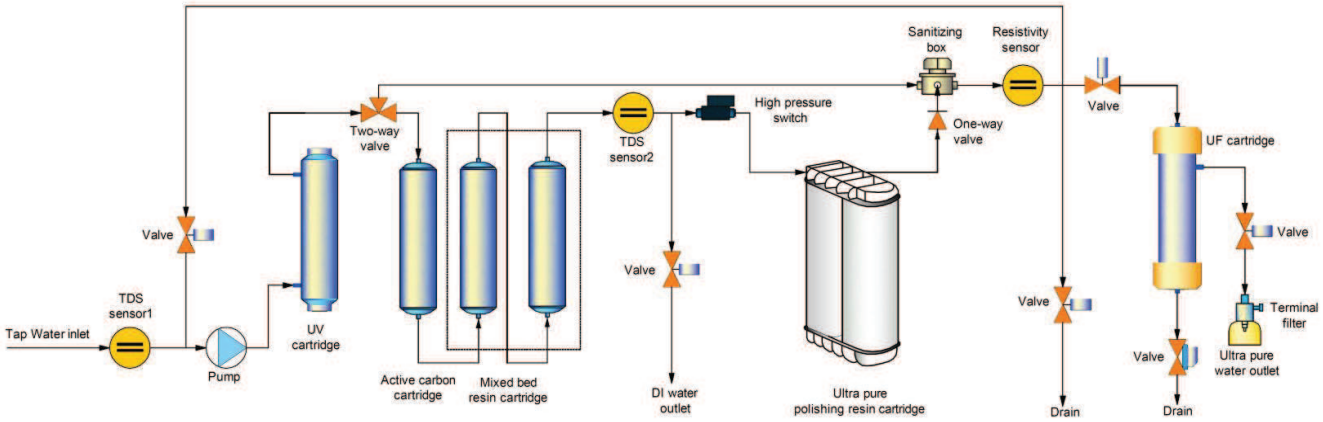

Specification of Dura Series Ultrapure Water System (Distilled Water Inlet)

Model	Standard ST-Dura	Eliminating endotoxin ST-Dura F	Low TOC ST-Dura V	Synthesizing ST-Dura FV
Output	>1.5Liters/minute			
Resistivity (25°C)	18.2MΩ.cm			
TOC*	10ppb		3ppb	
Endotoxin	-	<0.001EU/ml	-	<0.001EU/ml
Bacteria	<1CFU/ml			
Particle (>0.1μm)	<1/ml			
Heavy metal ion	<0.1ppb			
Feed water requirements	Distilled water, Deionized water or reverse osmosis water. 5-45°C, 1atm.			
Dimension	545L × 470W × 610H mm			
weight	about 20Kg			
Electric requirements	AC110-220V,50/60Hz, 120W			

* The quality of output water accords with the quality of feed water.