

New Dura Pro

Touch screen pure/ Ultrapure water system



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Colorful 5.0 inch touch screen

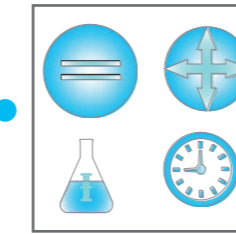
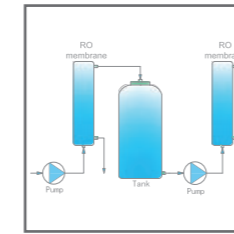
- 5.0 inch high-resolution touch screen controlling system

The lab Standard double stage RO system

- Double stage RO, 2 pumps and a buffer tank to achieve stable water quality, little drain and low running cost.

Standard with- remote portable dispenser

- Instant and volume dispense: 2.0 inch colorful graphics display, acrylic panel, online monitoring the resistivity, temperature, flow rate and dispensed volume of pure water; Height adjustable arm, suitable for all lab dispensing such as glassware or volumetric flasks etc. Easy removed arm, and more user-friendly as Pipette-type dispensing. System circulation function, achieve ultrapure water's circulation to keep top quality of ultrapure water. Dispenser place can be 3meters away, and arm distance could be 0.9 meter away, almost cover all use point range.



3 way online water quality sensor & 2 way flow rate monitor

- RO, DI, UP water quality monitoring, no need to dispense water to check water quality
- 2 dispense mode: volume dispense (10-99999ml) and water quality dispense (0-18.25MΩ.cm)



DIwater, UP water outlets

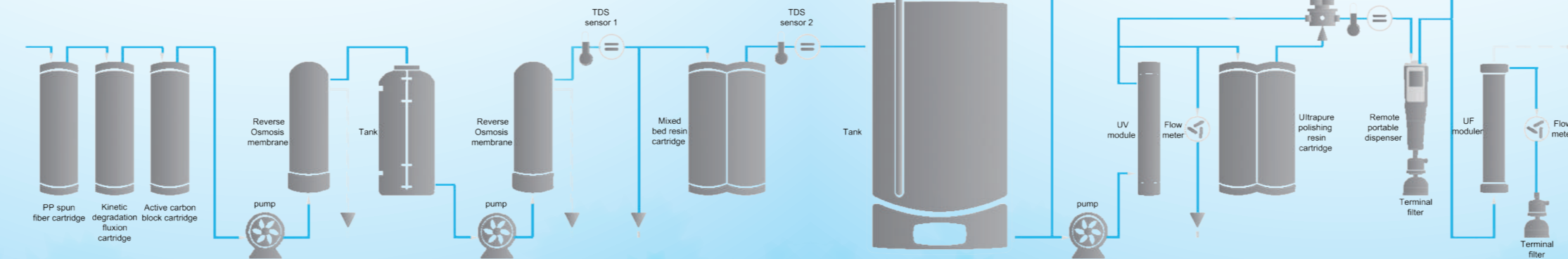
- System with mixed bed resin and ultrapure polishing resin cartridge, DI water's resistivity >16MΩ.cm, UP water's resistivity is 18.2MΩ.cm, completely meets the highest grade standard of GB6682-2008, ASTM, CAP, CLSI, EP and USP.



Standard with 50L PE water tank

- Cone bottom design PE pure water tank, with air filter, absorb CO2 and organics, and eliminate bacteria and particles. UV cartridges are optional for reducing bacteria.

Flow Schematic



- System circulation function, achieve ultrapure water's circulation to keep top quality of ultrapure water.
- System sanitizing procedure, achieve the disinfection of ultrapure water's tube and valve.
- Auto self-flushing of RO membrane function, extend RO membrane's life.
- PP KDF, AC, RO, DI, UP, UV, UF, TF cartridges life setting, display used time and volume, reminder automatically when finish.
- Multiple alarm function: no feed water, full water, water quality's standard exceeding and cartridge life ending.
- Level II password, protect all the parameters setting, and prohibit any unauthorized setting change.
- System time setting/year/month/day/hour/minute, timing standby (0-60 minutes), and timing shutdown (0-24 hours) function.
- Comprehensive information query and management function-system status, water quality, cartridges usage and alarm information.

- Auto running data storing function with built-in SD card, and data can be exported through the USB interface
- Whole plastic shell with high-strength, avoid rusting and keep clean, to meet GLP standard.
- Tube and adapter with NSF authorization and top quality, reduce TOC level and assure ultrapure water's quality
- USA DOW's RO membrane, ensure stable operation and high desalination rate
- USA DOW's top polishing resin, ensure ultrapure water's quality up to 18.2MΩ.cm and lowest TOC level.
- Long life double wavelength (254&185nm) UV lamp, restrain bacteria's increase and reduce TOC
- MWCO 5000D UF ultrafiltration module, effectively eliminate endotoxin
- 0.2μm PES terminal filter to ensure the top water quality

Specification

Name	Basic	Eliminating Endotoxin	Low TOC	Synthesizing
Model	Dura Pro 12 Dura Pro 24	Dura Pro 12F Dura Pro 24F	Dura Pro 12V Dura Pro 24V	Dura Pro 12FV Dura Pro 24FV
Output- Pure water*	12/24 L/hour			
Output- Ultrapure water	Up to 2.0L/min (When tank is full)			
Ultrapure water quality				
Resistivity (25°C)	18.2MΩ.cm			
TOC*	<10ppb	<10ppb	<3ppb	<3ppb
Bacteria	<0.1cfu/ml			
Particle (>0.1μm)	<1/ml			
Endotoxin	N/A	<0.001Eu/ml	N/A	<0.001Eu/ml
RNases	N/A	<0.01ng/ml	N/A	<0.01ng/ml
DNases	N/A	<4pg/μl	N/A	<4pg/μl
Deionized water quality				
Resistivity (25°C)	>16MΩ.cm			
RO water quality				
Conductivity- 1st stage RO water	Feed water conductivity ×5%			
Conductivity- 2nd stage RO water	1-5μs/cm			
Feed water requirements	Portable tap water, temperature 5-45°C, pressure 1.0-4.0Kg/cm2			
Dimension and weight	Length ×Width ×Height: 545×470×610mm; weight: around 22Kg			
Electrical requirements	220V, 50Hz			
Power	240W			
Standard configuration	Main body (Including 1set of cartridges)+remote portable dispenser+50L PE tank +2pcs build-in tank			

*The value will be influenced by temperature and feed water's quality

Consumables

Item No.	Commodity	Service life/ pc (Estimated value) (日)
D-PP1	Pre-treatment (Transparent)	3-6 months
D-AK	KDF active carbon cartridge	12 months
D-AC2	Active carbon cartridge	4-6 months
D-RO-50	50GPD reverse osmosis membrane	12-24 months
D-RO-100	100GPD reverse osmosis membrane	12-24 months
D-RO-150	150GPD reverse osmosis membrane	12-24 months
D-RO-200	200GPD reverse osmosis membrane	12-24 months
D-Decart	Granular active carbon cartridge	5000L pure water
D-Pocart4	Ultrapure polishing resin cartridge	5000L pure water
D-Uvcart-14W	(254&185nm) double wavelength UV cartridge	-
D-Uvlamp-14W	(254&185nm) double wavelength UV lamp	9000 hours
D-Ufcart	Eliminating Endotoxin uf cartridge	-
D-Tefit	(0.45+0.1μm) terminal filter	-

HHitech products

Designed and produced under the quality system of ISO9001:2008, commitment to the highest level of quality control processes to ensure the reliability of quality and Ensure compliance with EU CE specifications and the highest water quality standards established by GB6682-2008, ASTM, CAP, CLSI, EP and USP.

HHitech service

As a manufacturer of lab water system with rich experiences, we will continue to provide customers with professional sales support and after-sales service in the entire process with the aim of customers' needs. We promise:

- With 24months quality warranty (Except consumables).
- Provide installation guidance or practical training.
- Continuing maintenance and system upgrade services.
- Regular time follow up to answer questions during your use process.
- Special service hotline always provide advice and technical support.

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Dealer