













About Us

Innova Bio-Meditech is one of the leading global providers of laboratory and medical devices. Firmly committed to our mission of "sharing innovative bio-meditech solutions with the world", we are dedicated to innovation in the fields of Biology Project, Life Science, Pharmacy Industry and Medical Treatment.

Innova Bio-Meditech possesses a sound distribution and service network with business partners in North and Latin America, Europe, Africa and Asia-Pacific etc. We have built up a well established R&D, manufacture network with 3 centers in Beijing, Qingdao, and Shanghai. Inspired by the needs of our customers, we adopt advanced technologies and transform them into accessible innovation. This means constant effort and research, in order to more fully understand the developments of the market, produce constantly upgraded product ranges by adding new products year after year.

The passion for science



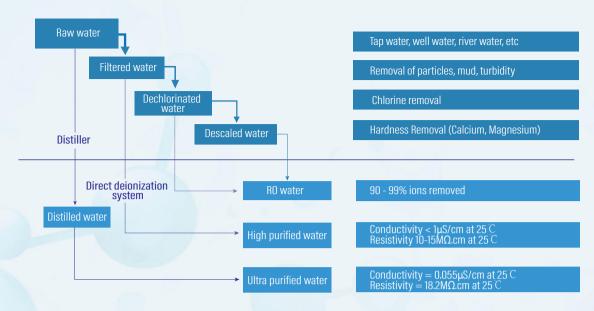


Content

Knowledge about water	01	
Water system selection guide	02	
Technical advantages	03	
Nova EU10 / Nova EU15 / Nova EU20	14	NOVA-SMART
Nova U Type I ultra purified water	15	
Nova Zero-ion	17	NOVA-ZERO-ION
Performa EU10 / Performa EU15 / Performa EU20	19	PERFORMA
Performa E10 / Performa E15 / Performa E20 Type II high purified water	20	
Performa U	21	
Classic DU15 / Classic DU20 / Classic DU25	23	CLASSIC
Classic D15 / Classic D20 / Classic D25 Type II high purified water	24	
Nova C300 / Nova C500 Central Type II high purified water Upgraded Type I ultra purified water for optional	26	TITAN
Classic C300 / Classic C500	26	



Water purification phase



Pollutants in water



oInorganic salt (ion)

Interfering element analysis experiments, such as: titration experiments, IC, AA, ICP-MS (ten times lower than the detection limit), affecting cell culture and other biochemical and molecular biology experiments: cadmium is still toxic to cells at a concentration of 0.1ppb, Generate scale or crystals

Organic matter (TOC)

Encapsulate ion exchange resin, affect cell growth, interfere with HPLC (background, miscellaneous peaks...), nutrients for microbial growth, and generally affect molecular biology experiments

• Microorganism

Affect biological and molecular biology experiments such as cell culture experiments

oParticles, colloids

Block filters, disperse light, provide food and carriers for microorganisms

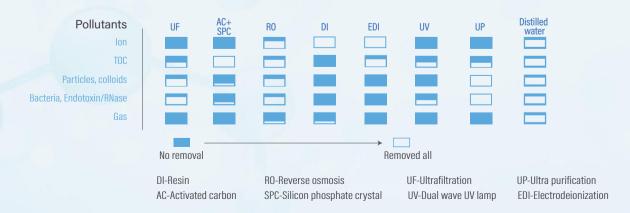
Heat source (endotoxin)/RNase, etc.

Cell culture and molecular biology will be affected

⊙Gas:

The water also contains gas, but it has a very small impact on the experiment, and has a certain impact on individual optical experiments.

Purification Technology





Water system selection guide

Water Type	Application	Series
ASTM D1193 Type II water European pharmacopoeia purified water Japanese pharmacopoeia purified water ISO 3696 Grade 2 water JIS K 0577 A3 water Clinical Laboratory Reagent Water (CLSI)	Preparation of the buffer solution, microbial medium and reagents Cleaning materials (dishwasher), autoclave sterilizer, greenhouse Atomic absorption (depending on the resolution) Water peer crops Chemical industry (pure water) Pharmaceutical and cosmetic industry (purified water according to USP) Veterinary laboratory (purified water according to USP) Clinical analysis Salt fog room Climate room	All-in-one system Nova series: Nova EU10/EU15/EU20 Performa series: Performa EU10 Performa EU15/EU20 Classic series: Classic DU15/DU20/DU25 Type II high purified water system Performa series: Performa E10/E15/E20 Classic series: Classic D15 D20 D25
ASTM D1193 Type I water, Grade B European pharmacopoeia purified water in bulk Japanese pharmacopoeia purified water ISO 3696 Grade 1 water JIS K 0577 A4 water	Atomic absorption / ICP Molecular biology HPLC PCR Ion chromatography Cell cultures GC-MS DNA sequencing	All-in-one system Nova series: Nova EU10/EU15/EU20 Performa series: Performa EU10 Performa EU15/EU20 Classic series: Classic DU15/DU20/DU25 Type I ultra purified water system Nova series: Nova U Performa series: Performa U
ASTM D1193 Type II water European pharmacopoeia purified water Japanese pharmacopoeia purified water ISO 3696 Grade 2 water JIS K 0577 A3 water Clinical Laboratory Reagent Water (CLSI)	Quality laboratory purified feed water distributed by building pipeline Upgraded Type I ultra purified water for optional	Titan series central high purified water system Nova C300, Nova C500 Classic C300, Classic C500

Standard Specification for the American Society of Testing and Materials (ASTM) D1193-91 reagent grade water

Parameters	Type I*	Type II**	Type III ***	Type IV
Maximum conductivity(μS/cm at 25 °C)	0.056	1	4	5
Resistance: Electrical Min. (M Ω .cm at 25 $^{\circ}$)	18	1	0.25	0.2
PH at 25 ℃	_	_	_	5-8
Maximum TOC (μg/L)	10	50	200	No restriction
Maximum sodium (μg/L)	1	5	10	50
Maximum silica (µg/L)	3	3	500	No restriction
Maximum chlorine (µg/L)	1	5	10	50

2006 CLSI Specification for Reagent Laboratory Water

Water Type	CLSI Specifications
CLRW (Clinical laboratory reagent water)	Maximum microbial content (CFU/mL) <10 Minimum resistivity 10 M Ω -cm, 25°C Free of particulates >0.22 μm Organic materials (TOC) <500 ppb



^{*} A membrane filter of 0.2 micron is required **Prepared by distillation ***Requires a membrane filter of 0.45µm

Pretreatment module

Three water ports

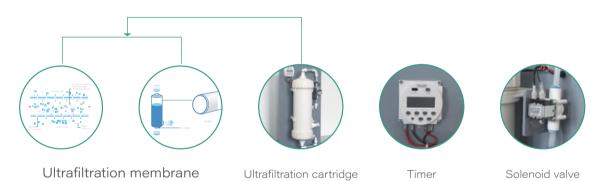
Pretreatment module is device to pre filter tap water before it goes to main system. Depends on the quality of inlet water, service life can reach 2-3 years.

In the back of module are three ports: water inlet, filtered water outlet and waste water outlet

When working, the waste water outlet port will be closed. Inlet water will pass through the ultrafiltration membrane and out from filtered water outlet. When washing program running, a solenoid valve will turn on, water will go through the cartridge by pass filtered water outlet, flush the impurity on the surface of membrane, the dirty water directly discharges from the waste water outlet.



Module inside & Ultrafiltration cartridge



Ultrafiltration cartridge

10 nanometers pore size ultrafiltration membrane to remove completely colloids, particles, free chlorine and minerals

Timer and Solenoid valve

The timer controls solenoid valve, can set washing times, factory default setting is once a day at 6 am for 10 minutes, or the system can be customized accordingly up to 15 times per day, every time 10 minutes. **Example**

Every morning, at 6 o'clock will start automatically a 10 minutes washing

program to make sure the water quality for your daily use. All waste water will be discharged, each time no more than 20L, but there is no need to worry about the waste. Considering the ratio of waste water of whole system is less than most brands, the waste water in RO module is 25% compared with 50% of others, while 75% water will be recycled, on the other hand, waste water in EDI Module just only 25%, so, the whole purification system, you will have 55% purified water, meanwhile, the lifetime of cartridges

and EDI module inside of the main machine will be extended.

Total inlet: 100L per day

Proseers purified water (100-20)*75%*75% = 45L

Others:

Purified water 100 * 50% * 50%=25L

Feed water requirements

The quality of feed water will affect directly the quality of purified water and service life of equipment, if the tap water contains a high rate of hardness that do not meet the requirements, please use salty box to remove calcium ions and magnesium ion in advance.



Three main purification cartridges



Pre-guard cartridge A

Filled with natural coconut shell activated carbon and silicon phosphate crystal.

Pre-guard cartridge B

Filled with natural coconut shell activated carbon.

(These two cartridges will help to remove residual free chlorine, calcium ions and magnesium ions)

Ultra purification cartridge A

Filled with electronic grade resin and medical grade artificial activated carbon.

Only equipped with all-in-one system and ultra purified water system to produce Type I water.

How to detect the water quality?

— Conductivity sensors equipped in four places to detect the water quality.





Rapid installation of cartridges

——The Assembly and disassembly of cartridges is super easy, remove the cap and place it where it should be.



Working capacity

Pre-guard cartridge A—25000L
Pre-guard cartridge B—25000L
Ultra purification cartridge A—15000L



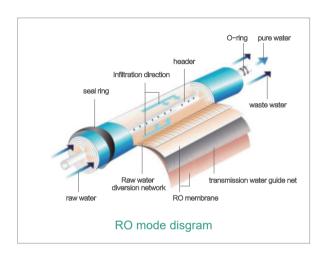


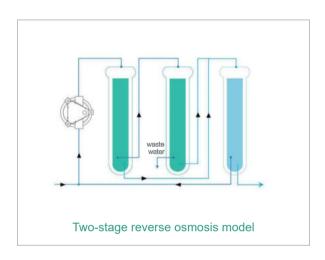


Two-stage RO module



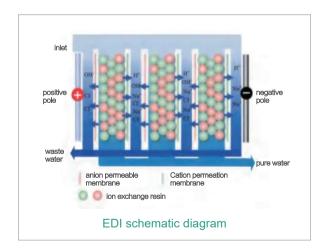
© Depends on feed water quality, our two-stage RO module service life can reach 2-3 years, and the conductivity of RO water will less than 5μS/cm which can protect the running of EDI module and prolong his service life. Ratio of waste water is only 25% with recycle technology.





Electrodeionization (EDI) system







Water circulation before collecting



Water circulation before collecting

- When collect type II water, the water in water tank flows back to the host, passing through circulation pump and dual wavelength ultraviolet lamp (254 and 185 nm) then outlet from the dispenser.
- When collect type I water, the water in water tank flows back to the host, passing through circulation pump, dual wavelength ultraviolet lamp and ultra purification cartridge then outlet from the dispenser. Meanwhile, a little bit of type I water will be divided to TOC analyzer module to evaluate the purity.

Water pumps

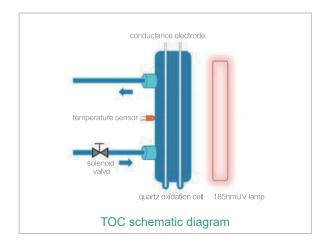
CE and NSF qualified water pumps, low noisy and stable working pressure.

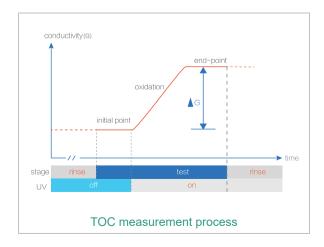
TOC analyzer



Dual wavelength UV lamp









60 liters PE water tank

- 254nm UV lamp, works 10 minutes every 5 hours to prevent growth of bacteria.
- 0.2µm inlet air filter to prevent air pollution.
- o Pressure sensor to indicate the amount of water.
- Stepless water level adjustment on touch screen.







UV lamp



Air filter



Liquid level sensor



Automatic wake-up program for RO and EDI

When the purification system rests more than 24 hours, a wake-up program will start automatically to produce purified water in order to make sure the purification quality for your daily use.

How to collect purified water?



 To collect Type II water by using water valve directly from the water tank



Quantitative water dispense. Click the flask icon, enter the amount in milliliters, save and press 'dispenser' to collect water, the collecting can be terminated by clicking "cancel"



Collect Type II and Type I water by using dispenser arms: dispense water by clicking the button to activate, by rotating the button to control the flow rate upto 2L/min, to stop dispensing by clicking the button again



Foot pedal frees your hands, flow rate upto
 2L/minutus need be setted in advance by
 rotating the button of dispenser arm (Optional)



Remote dispenser arms

Two remote dispenser arms, one for Type II high purified water and one for Type I ultra purified water. Mounted with TFT touch sc-reen for setting, operating and monitoring. The arm equipped with a point-of-use filter can move up and down, and it also can be rotated 360 degrees.



Universal salt softener all laboratory use models



Control valve	Automatic
Regeneration mode	Flow time mixed type/time type
Volume	5L
Recommended flow	≥0.5T/H
Pressure	0.15-0.5MPa
voltage	220V 50Hz
Inlet and outlet size	3/4" and 1"
Drain pipe size	φ18mm
Salt valve	Yes
External dimension	230×450×485mm
Packing dimension	240×465×520mm



Data record & WIFI service

How to download data?

Built in using USB port to download the current data and historical data by connecting your USB drive



Wifi function

Our Wifi function offers real-time remote monitoring service, in the settings menu, select wifi mode or 4G mode.

After connecting, users can check the running status of system at any time.





Nova Zero-ion

purification terminal and dispensing unit of Nova U and Nova EU series, providing ppt or sub-ppt ultrapure water for sensitive analyses such as trace and ultra-trace elemental analysis

Applications:

- ICP-MS/ nano UHPLC/ nano LC-MS/ LC-ESI- MS/ GF-AAS analyses
- Detection and measurement of elements at ppt and sub-ppt levels in samples
- Trace and ultra-trace elemental analyses
- Electronic chip flushing
- Environmental testing, drug analysis, forensic medicine, food and beverage industry, etc.



Main features

Compact design occupies less space, simple dispenser unit can be placed in super clean area to reduce contamination. Equipped with NFC chip recognition, internet of things technology, online real time U-cloud remote monitoring.

Trace analysis ultra-purification cartridge



- Unique cartridge with patented electronica grade resin, easy to replace
- Brand-new waterway design, more loading capacity and stable water quality
- Unique connection design, stronger pressure resistance, better tightness

Outlet pipe support



- Easy to place in any clean environment
- Integrated design, easy to clean, prevent the growth of bacteria
- Good chemical stability, suitable for any environmental conditions



Intelligent human-computer interaction



•5"LCD touch screen, animated icons, easy to operate



Clear running status and information display

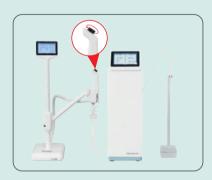


 Three-level access authorities, convenient laboratory management

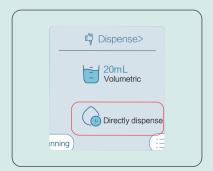


Water quality report viewing and exporting function

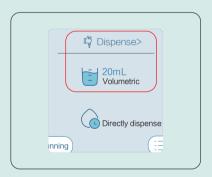
Dispense control



Flow rate control by Type I water dispenser arm, up to 2L/min



ODirectly dispense by click the icon



Quantitative water dispense



Foot pedal frees your hands



Central high purified water system

 Titan series is central high purified water system including pre-treatment system, main system and water tank.





Pre-treatment system include

- •Raw water pump
- Sand carbon filter, filled with activated carbon with stable performance to effectively remove residual chlorine and organic matter.
- Dual treatment of salt tank and resin softener to reduce the water hardness and remove water scale.
- Ultrafiltration membrane, PVDF material, nano-level filtration, remove particles, silt, colloids, microorganisms, etc. to ensure the safety and efficiency of the back-end purification components.

Main system include

- OCE and NSF qualified high pressure water pump
- Reverse osmosis membrane, rejection rate 95% -99% to remove organic matter, ions and particles.
- O EDI module
- Water distribution pump
- Microporous filter membrane pipeline filter to prevent pipeline pollution caused by microorganisms and blockage by debris
- Dual wavelength (254nm & 185nm) UV-lamp to remove microorganisms including bacterial spores and nonpathogenic microorganisms







SUS 304 stainless steel water tank

• Standard volume is 500L, can be customized upto 1 ton, 1.5 tons, 2 tons, etc. Equipped with 254nm UV lamp and 0.2μm inlet air filter

How to collect purified water?

- Water supply port, directly distribute the purified water into all inlet pipeline of building
- Purified water outlet for temporary water collecting



-Nova-Smart

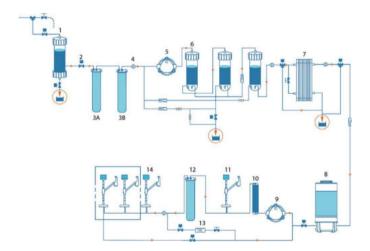


Nova EU10 / Nova EU15 / Nova EU20

Unique features

All-in-one system

- © All-in-one system for ASTM Type I & Type II water/Clinical laboratory reagent water (CLSI)
- © Real on-line TOC analyzer with 185nm UV-lamp inside
- © EDI module imported
- O Dual wavelength UV-lamp 254nm & 185nm
- © Two (Type I & Type II) remote water dispenser arms with touch screen display
- © U-cloud platform for remote monitoring (Wifi module)
- USB access port for data logging



- 1 Pre-treatment module
- 3B Pre-guard cartridge B
- 6 RO membrane
- 9 Circulating pump
- 12 Ultra purification cartridge
- 14 Type I water dispenser arm
- 2 Solenoid valve
- 4 Conductivity electrode
- 7 EDI module
- 10 UV lamp 185 & 254 nm
- 13 Real on-line TOC analyzer
- 3A Pre-guard cartridge A
- 5 Booster pump
- 8 Water tank
- 11 Type II water dispenser arm



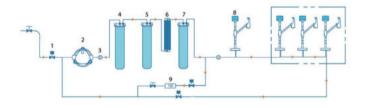


Nova U

Unique features

- ASTM Type I Ultra purified water system
- © Real on-line TOC analyzer with 185nm UV-lamp inside
- O Dual wavelength UV-lamp 254nm & 185nm
- One Type I remote water dispenser arm with touch screen display
- U-cloud platform for remote monitoring (Wifi module)
- USB access port for data logging

ASTM Type I Ultra purified water system



- 1 Solenoid valve
- 3 Conductivity electrode
- 5 Pre purification cartridge B 6 185 & 254nm UV lamp
- 7 Ultra purification cartridge
- 9 Real on-line TOC analyzer
- 2 Circulating pump
- 4 Pre purification cartridge A
- 8 Type I water dispenser arm

Main configurations		All-in-one system	Type I water	
Main configurations	Nova EU10	Nova EU15	Nova EU20	Nova U
Pre-treatment module		YES		NO
Main host		YES		YES
Pre-guard cartridge A		YES		NO
Pre-guard cartridge B		YES		NO
Ultra purification cartridge A*		YES		YES
Two-stage Reverse osmosis		YES		NO
EDI module imported		YES		NO
Pre purification cartridge A		NO		YES
Pre purification cartridge B		NO		YES
Dual wavelength (254nm & 185nm) UV-lamp		YES		YES
Real on-line TOC analyzer		YES		YES
Type I Remote water dispenser arm with touch screen display		YES		YES
Type II Remote water dispenser arm with touch screen display		YES		NO
2M water piping from main unit to water tank & water dispenser		YES		YES
60L water tank of Type II water, stepless water level sensor		YES		NO
254nm UV light of water tank		YES		NO
Inlet air filter of water tank 0.2µm		YES		NO
Water leakage protection sensor		YES		YES
Point-of-use filter 0.22µm		YES		YES

^{*}Optional ultra purification cartridge B special for semiconductor industry that has higher deionization requirements



	All to account on	T 1
Model	All-in-one system Nova EU10 Nova EU15 Nova EU20	Type I water Nova U
Feed water requirements	NOVA EGIO NOVA EGIO NOVA EGZO	Nova 0
Source	Potable tap water	Type II water/RO
Conductivity	<2000µS/cm	<100µS/cm
TOC	<1ppm	<50ppb
Hardness*	<450ppm as CaCO ₃	0-1ppm
Pressure	0.1~0.4MPa (7-72psi)	0.1~0.4MPa (7-72ps
Temperature	5~45 ℃	5~45 ℃
PH	4-10	7/6-8
Type II high purified water		
Resistivity at 25 °C **	15MΩ.cm; typically 10-15MΩ.cm	I
Conductivity at 25 °C *** TOC	0.067μS/cm; typically 0.1μS/cm	
Particulates with size > 0.22µm***	<30ppb(µg/L)	
Endotoxin (Pyrogens)***	No particles <0.001EU/mL	
Bacteria***	<0.001E0/IIIL <0.01cfu/mL (<10cfu/L)	
Rnase***	<1pg/mL	
Dnase***	<3pg/mL	N/A
Proteases***	<0.15µg/mL	
RO rejection	≥99%	
EDI ion rejection	≥99%	
Production flow rate	10L/H 15L/H 20L/H	
Manual control water flow rate	Maximum 2L/min, stepless control	of flow rate
Quantitative water dispense range	0.01L ~ 60L	
Type I ultra purified water		
Resistivity at 25 °C	18.2MΩ.cm	
Conductivity at 25 ℃	0.055μS/cm	
TOC	≤2ppb(μg/L)	
Particulates with size > 0.22μm	No particles	
Endotoxin (Pyrogens)	<0.001EU/mL	<i>(</i>)
Bacteria	<0.01cfu/mL (<10cfu	/L)
Rnase/Dnase	Free	
Proteases	<0.15µg/mL Maximum 2L/min, stepless contr	ol of flow rata
Manual control water flow rate Quantitative water dispense range	0.01L ~ 60L	of of flow rate
Electrical requirement	0.01E 00E	
Electrical voltage	110V/220V ±10%	
Electrical frequency	50Hz/60Hz	
Power	<135W	
Size information		
Net Weight		
Pre-treatment module	8.5kg	N/A
Main host	32kg 32.7kg 33.2kg	18.9kg
Water dispenser arm	5.2kg/unit	
30L Water tank	9kg	
60L Water tank	10.66kg	N/A
100L Water tank	12.2kg	
External Dimension (WxDxH)		
Pre-treatment module		NI/A
Main host	270x280x566 (mm)	N/A
	328×520x540 (mm)	328x410×520 (mm)
Water dispenser arm	328×520x540 (mm) 490×270x790 (mm)	328x410×520 (mm)
Water dispenser arm 30L Water tank	328×520x540 (mm) 490×270x790 (mm) 390x390x690 (mm)	328x410×520 (mm)
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Water dispenser arm 30L Water tank 60L Water tank 100L Water tank Packing information Gross Weight Pre-treatment module	328×520x540 (mm) 490×270x790 (mm) 390x390x690 (mm) 390x390x930 (mm) 390x390x1235 (mm) 9.8kg	328x410×520 (mm) /unit N/A
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[#]If the tap water contains a high rate of calcium ions and magnesium ion which do not meet the requirement, please use salty box to remove part of calcium ions and magnesium ion in advance
**Resistivity typically 10-15MΩ.cm at 25 C, Conductivity typically 0.1µS/cm, at 25 C
***Feed water quality shoud meet above requirements and purified water through the remote water dispenser with end 0.22µm filter



-Nova Zero-ion



Nova Zero-ion

Unique features

ppt or sub-ppt ultra purified water

- © Equip with Nova EU and Nova U only
- Unique cartridge with patented electronica grade resin
- O U-cloud platform for remote monitoring
- USB access port for data logging

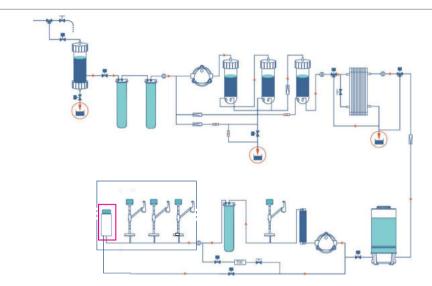
Feed water*	
Resistivity at 25 °C	18.2MΩ.cm
Total Organic Carbon (TOC)	≤5ppb(µg/L)
Performance	
Resistivity at 25 °C	18.2MΩ.cm
Total Organic Carbon (TOC)	≤2ppb(μg/L)
lon content**	<0.1ppt
Flow rate	Up to 2L/min, stepless control
Quantitative water dispense range	0.01L-60L
Size information	
Dimensions (W×D×H)	180×217×510mm
Net weight	6.9kg
Length of outlet pipe	Standard 2m, customized length for optional
Outlet pipe support dimensions (W×D×H)	80×201.5×400mm
Packing information	
Package dimensions (W×D×H)	220×451×563mm
Gross weight	8.5kg

^{*}Ultra pure water/Type I water by Nova series

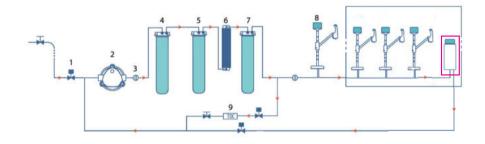


^{**}Verified by end user, analytical technique of trace elements

Nova EU



Nova U



Elemental detection data

Element	Unit	Detection limit	Sample
Calcium (Ca)	μg/L	6.61	<6.61
Iron (Fe)	μg/L	0.82	<0.82
Chromium (Cr)	μg/L	0.11	<0.11
Barium (Ba)	μg/L	0.2	<0.2
Vanadium (V)	μg/L	0.08	<0.08
Cadmium (Cd)	μg/L	0.05	< 0.05
Cobalt (Co)	μg/L	0.03	<0.03
Gallium (Ga)	μg/L	0.02	<0.02
Potassium(K)	μg/L	4.5	<4.5
Aluminium (Al)	μg/L	1.15	<1.15
Magnesium (Mg)	μg/L	1.94	<1.94
Manganese (Mn)	μg/L	0.12	<0.12
Molybdenum (Mo)	μg/L	0.06	<0.06
Sodium (Na)	μg/L	6.36	<6.36
Nickel (Ni)	μg/L	0.06	<0.06
Boron (Bi)	μg/L	1.25	<1.25
Beryllium (Be)	μg/L	0.04	<0.04
Lead (Pb)	μg/L	0.09	<0.09
Arsenic (As)	μg/L	0.12	<0.12
Strontium (Sr)	μg/L	0.29	<0.29
Thallium (TI)	μg/L	0.02	<0.02
Titanium (Ti)	μg/L	0.46	<0.46
Antimony (Sb)	μg/L	0.15	<0.15
Copper (Cu)	μg/L	0.08	<0.08
Selenium (Se)	μg/L	0.41	<0.41
Tin (Sn)	μg/L	0.08	<0.08
Zinc (Zn)	μg/L	0.67	<0.67
Sliver (Ag)	μg/L	0.04	<0.04

 ${\sf Data\ obtained\ courtesy\ of\ SGS-CSTC\ Standards\ Technical\ Services\ \ (Qingdao)\ \ Co., Ltd}$



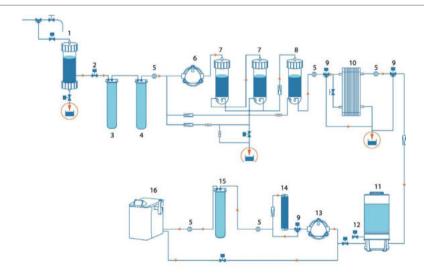
-Performa



Performa EU10 / Performa EU15 / Performa EU20

Unique features All-in-one system

- o All-in-one system for ASTM Type I & Type II water/Clinical laboratory reagent water (CLSI)
- Integrated water dispenser arm
- On line real time TOC monitoring
- Dual wavelength UV-lamp 254nm & 185nm
- Ohina made EDI self-developed
- © U-cloud platform for remote monitoring (Wifi module)
- USB access port for data logging



- 1 Pre-treatment module
- 4 Pre-guard cartridge B
- 7 One-stage RO membrane
- 10 EDI module
- 13 Circulating pump
- 16 Type I water dispenser arm
- 2 Solenoid valve
- 5 Conductivity electrode
- 8 Two-stage RO membrane 9 TEE Solenoid valve
- 11 Water tank
- 14 UV lamp 185 & 254 nm
- 3 Pre-guard cartridge A
- 6 Booster pump
- 12 Type II water outlet
- 15 Ultra purification cartridge



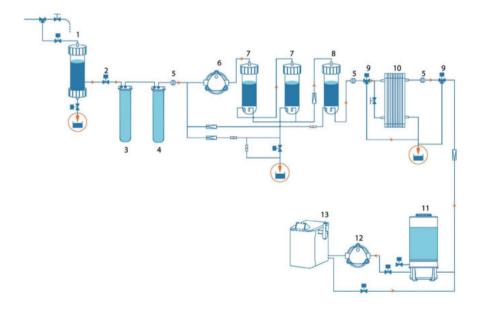


Performa E10 / Performa E15 / Performa E20

Unique features

- o Integrated water dispenser arm
- O China made EDI self-developed
- U-cloud platform for remote monitoring (Wifi module)
- USB access port for data logging

ASTM Type II high purified water system Clinical laboratory reagent water (CLSI)



- 1 Pre-treatment module
- 4 Pre-guard cartridge B
- 7 One-stage RO membrane 10 EDI module
- 13 Type II water dispenser arm
- 2 Solenoid valve
- 5 Conductivity electrode
- 8 Two-stage RO membrane
- 11 Water tank
- 3 Pre-guard cartridge A
- 6 Booster pump
- 9 TEE Solenoid valve
- 12 Circulating pump



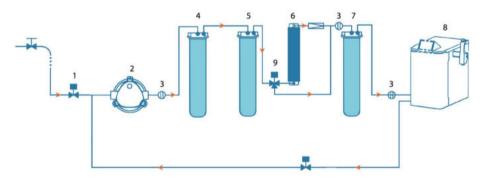


Performa U

Unique features

ASTM Type I Ultra purified water system

- Integrated water dispenser arm
- On line real time TOC monitoring
- O Dual wavelength UV-lamp 254nm & 185nm
- U-cloud platform for remote monitoring (Wifi module)
- USB access port for data logging



- 1 Solenoid valve
- 2 Circulating pump
- 3 Conductivity electrode

- 4 Pre purification cartridge A7 Ultra purification cartridge
- 5 Pre purification cartridge B8 Type I water dispenser arm
- 6 UV lamp 185 & 254 nm
- 9 TEE Solenoid valve

Main andinunting	All-in-one sy:		Type II water		Type I water					
Main configurations	Performa EU10 Performa EU	5 Performa EU20	Performa E10	Performa E15	Performa E20	Performa U				
Pre-treatment module	YES			YES		NO				
Main host	YES			YES		YES				
Pre-guard cartridge A	YES			YES		NO				
Pre-guard cartridge B	YES			YES		NO				
Pre purification cartridge A	NO			NO		YES				
Pre purification cartridge B	NO			NO		YES				
Two-stage Reverse osmosis	YES			YES		NO				
EDI module self-developed	YES		YES		NO					
60L water tank; stepless water level sensor	YES		YES		NO					
254nm UV light of water tank	YES		YES		NO					
Inlet air filter of water tank 0.2µm	YES		YES		NO					
Water leakage protection sensor	YES		YES		YES					
Dual wavelength (254nm & 185nm)UV-lamp	YES		NO			YES				
TOC monitoring	YES		YES		YES NO		NO		YES	
Ultra purification cartridge A	YES		YES NO			YES				
One integrated type I water dispenser arm	YES		YES			YES				
1M water piping from main unit to water dispenser arm	YES		YES		YES					
Point-of-use filter 0.22μm	YES			YES		YES				

^{*} Optional ultra purification cartridge B special for semiconductor industry that has higher deionization requirement



Model		All-in-one system			Type II water	I	Type I water	
	Performa EU10	Performa EU15	Performa EU20	Performa E10	Performa E15	Performa E20	Performa U	
Feed water requirements			Datable to a				Tues Il vusta y/DC	
Source		Potable tap water					Type II water/RC	
Conductivity		<2000μS/cm					<100µS/cm	
TOC		<1ppm				< 50ppb		
Hardness*	_	<450ppm as CaCO ₃ 0.1~0.4Mpa (7-72psi)					0-1ppm	
Pressure							0.1~0.4Mpa (7-72p	
Temperature			5~45 (~			5~45℃	
PH			4-10				7/6-8	
Type II high purified water Resistivity at 25 C **		1514	O t:II	10.15140			<u> </u>	
Conductivity at 25 C **		15MΩ.cm; typically10-15MΩ.cm						
TOC		0.067μS/cm; typically 0.1μS/cm <30ppb(μg/L)						
Particulates with size > 0.22µm***			No parti					
Endotoxin (Pyrogens)***			<0.001EU					
Bacteria***	_		<0.01cfu/mL (
Rnase***	_		<1pg/r					
Dnase***	_		<3pg/r				N/A	
Proteases***			<0.15µg					
RO rejection			<0.13μg ≥99%					
EDI ion rejection			≥99%					
Production flow rate	10L/H	15L/H		10L/H	15L/H	20L/H		
Manual control water flow rate	132/11		L/min, steples			204/11		
Quantitative water dispense range		MUANTIUTT ZI	10mL ~		110W IGIC			
Type I ultra purified water			TOTTL	UUL				
Resistivity at 25 °C		18.2MΩ.cm		1			18.2MΩ.cm	
Conductivity at 25 °C		0.055µS/cm		_			0.055µS/cm	
TOC		≤2ppb(µg/L)		-	-		≤2ppb(µg/L)	
Particulates with size > 0.22µm				-			No particles	
Endotoxin (Pyrogens)		·						
., 3	-01				N/A		<0.001EU/mL <0.01cfu/mL (<10d	
Bacteria	<0.0	01cfu/mL (<10	CIU/L)					
Rnase/Dnase		Free					Free	
Proteases	Marriago y 21 /	<0.15µg/mL					<0.15µg/mL	
Manual control water flow rate	IVIaximum 2L/I	min, stepless cor	ntrol of flow rate				Maximum 2L/min, stepless control of	
Quantitative water dispense range		0.01L ~ 60L					0.01L ~ 60L	
Electrical requirement					11 100			
Electrical voltage				110V/220				
Electrical frequency				50Hz/				
Power				<13	5 VV			
Size information								
Net Weight								
Net Weight Pre-treatment module			8.5		20.11		N/A	
Net Weight Pre-treatment module Main host with dispenser arm	29.6kg	30.3kg	30.8kg	27.7kg	28.4kg	28.9kg	N/A 20kg	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank	29.6kg	30.3kg	30.8kg 9l	27.7kg kg	28.4kg	28.9kg	· ·	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank	29.6kg	30.3kg	30.8kg 9l 10.6	27.7kg kg i6kg	28.4kg	28.9kg	20kg	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank	29.6kg	30.3kg	30.8kg 9l 10.6	27.7kg kg	28.4kg	28.9kg	· ·	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH)	29.6kg	30.3kg	30.8kg 9l 10.6 12.	27.7kg kg 66kg 2kg	28.4kg	28.9kg	20kg N/A	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module	29.6kg	30.3kg	30.8kg 9l 10.6 12. 270x280x	27.7kg kg 66kg 2kg 566 (mm)	28.4kg	28.9kg	20kg N/A N/A	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host	29.6kg	30.3kg	30.8kg 9l 10.6 12. 270x280x 328×540x	27.7kg kg 66kg 2kg 566 (mm) 6600 (mm)	28.4kg	28.9kg	20kg N/A N/A 328×410×600 (mm	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host Integrated dispenser arm	29.6kg	30.3kg	30.8kg 9l 10.6 12. 270x280x 328×540x 42×85.5×2	27.7kg kg 66kg 2kg 566 (mm) 6600 (mm) 231.5 (mm)	28.4kg	28.9kg	20kg N/A N/A	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host Integrated dispenser arm 30L Water tank	29.6kg	30.3kg	30.8kg 9l 10.6 12. 270x280x 328×540> 42×85.5×2 390x390x	27.7kg kg 66kg 22kg 566 (mm) 600 (mm) 231.5 (mm) 690 (mm)	28.4kg	28.9kg	20kg N/A N/A 328×410×600 (mm 42×85.5×231.5 (mr	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host Integrated dispenser arm 30L Water tank 60L Water tank	29.6kg	30.3kg	30.8kg 9l 10.6 12. 270×280× 328×540× 42×85.5×2 390×390× 390×390×	27.7kg kg 66kg 2kg 566 (mm) 6600 (mm) 231.5 (mm) 690 (mm) 930 (mm)	28.4kg	28.9kg	20kg N/A N/A 328×410×600 (mm	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host Integrated dispenser arm 30L Water tank 60L Water tank	29.6kg	30.3kg	30.8kg 9l 10.6 12. 270x280x 328×540> 42×85.5×2 390x390x	27.7kg kg 66kg 2kg 566 (mm) 6600 (mm) 231.5 (mm) 690 (mm) 930 (mm)	28.4kg	28.9kg	20kg N/A N/A 328×410×600 (mm 42×85.5×231.5 (mr	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host Integrated dispenser arm 30L Water tank 60L Water tank 100L Water tank Packing information	29.6kg	30.3kg	30.8kg 9l 10.6 12. 270×280× 328×540× 42×85.5×2 390×390× 390×390×	27.7kg kg 66kg 2kg 566 (mm) 6600 (mm) 231.5 (mm) 690 (mm) 930 (mm)	28.4kg	28.9kg	20kg N/A N/A 328×410×600 (mm 42×85.5×231.5 (mr	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host Integrated dispenser arm 30L Water tank 60L Water tank	29.6kg	30.3kg	30.8kg 9l 10.6 12. 270×280× 328×540× 42×85.5×2 390×390× 390×390×	27.7kg kg 66kg 2kg 566 (mm) 6600 (mm) 231.5 (mm) 690 (mm) 930 (mm)	28.4kg	28.9kg	20kg N/A N/A 328×410×600 (mm 42×85.5×231.5 (mr	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host Integrated dispenser arm 30L Water tank 60L Water tank 100L Water tank Packing information	29.6kg	30.3kg	30.8kg 91 10.6 12. 270x280x 328×540> 42×85.5×2 390x390x 390x390x 390x390x	27.7kg kg 66kg 2kg 566 (mm) 6600 (mm) 231.5 (mm) 690 (mm) 930 (mm)	28.4kg	28.9kg	20kg N/A N/A 328×410×600 (mm 42×85.5×231.5 (mr	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host Integrated dispenser arm 30L Water tank 60L Water tank 100L Water tank Packing information Gross Weight Pre-treatment module Main host with dispenser arm	29.6kg 29.6kg	30.3kg	30.8kg 91 10.6 12. 270x280x 328×540> 42×85.5×2 390x390x 390x390x 390x390x	27.7kg kg 66kg 22kg 566 (mm) 6600 (mm) 231.5 (mm) 690 (mm) 930 (mm)	28.4kg	28.9kg	20kg N/A N/A 328×410×600 (mm 42×85.5×231.5 (mr	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host Integrated dispenser arm 30L Water tank 60L Water tank 100L Water tank 100L Water tank Packing information Gross Weight Pre-treatment module			30.8kg 91 10.6 12. 270x280x 328×540> 42×85.5×2 390x390x 390x390x 390x390x 41.6kg	27.7kg kg i6kg 22kg 5566 (mm) k600 (mm) 690 (mm) 930 (mm) 1235 (mm)			20kg N/A N/A 328×410×600 (mm 42×85.5×231.5 (mm N/A	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host Integrated dispenser arm 30L Water tank 60L Water tank 100L Water tank Packing information Gross Weight Pre-treatment module Main host with dispenser arm			30.8kg 9 10.6 12. 270x280x 328x540x 42x85.5x2 390x390x 390x390x 390x390x 41.6kg 12.	27.7kg kg 66kg 22kg 566 (mm) 6600 (mm) 631.5 (mm) 690 (mm) 930 (mm) 1235 (mm)			20kg N/A N/A 328×410×600 (mm 42×85.5×231.5 (mm N/A	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host Integrated dispenser arm 30L Water tank 60L Water tank 100L Water tank Packing information Gross Weight Pre-treatment module Main host with dispenser arm 30L Water tank			30.8kg 9 10.6 12. 270x280x 328x540x 42x85.5x2 390x390x 390x390x 390x390x 41.6kg 12.	27.7kg kg kg k6kg 22kg 5666 (mm) k6000 (mm) k31.5 (mm) 690 (mm) 930 (mm) 1235 (mm) k6kg 39.7kg			20kg N/A N/A 328×410×600 (mm 42×85.5×231.5 (mr N/A 34kg	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host Integrated dispenser arm 30L Water tank 60L Water tank 100L Water tank Packing information Gross Weight Pre-treatment module Main host with dispenser arm 30L Water tank			30.8kg 9 10.6 12. 270x280x 328x540x 42x85.5x2 390x390x 390x390x 390x390x 41.6kg 12.	27.7kg kg kg kg k6kg 22kg 566 (mm) k600 (mm) 831.5 (mm) 690 (mm) 930 (mm) 1235 (mm) k6kg 39.7kg 4kg kg			20kg N/A N/A 328×410×600 (mm 42×85.5×231.5 (mr N/A 34kg	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host Integrated dispenser arm 30L Water tank 60L Water tank 100L Water tank 100L Water tank 100L Water tank Packing information Gross Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank Main host with dispenser arm 30L Water tank 60L Water tank 60L Water tank 60L Water tank			30.8kg 91 10.6 12. 270x280x 328×540x 42x85.5x2 390x390x 390x390x 390x390x 41.6kg 12. 14.	27.7kg kg kg kg k6kg 22kg 566 (mm) k600 (mm) 331.5 (mm) 690 (mm) 1235 (mm) 1235 (mm) 48kg 39.7kg 4kg kg 66kg			20kg N/A N/A 328×410×600 (mm 42×85.5×231.5 (mm N/A 34kg N/A	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host Integrated dispenser arm 30L Water tank 60L Water tank 100L Water tank 100L Water tank Packing information Gross Weight Pre-treatment module Main host with dispenser arm 30L Water tank Packing information Gross Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank Packing Dimension (WxDxH) Pre-treatment module			30.8kg 9 10.6 12. 270x280x 328x540x 42x85.5x; 390x390x 390x390x 41.6kg 12. 14 15. 350x360x	27.7kg kg kg kg k6kg 22kg 5666 (mm) k6000 (mm) 331.5 (mm) 690 (mm) 1235 (mm) 1235 (mm) 124kg kg kg 66kg			20kg N/A N/A 328×410×600 (mm 42×85.5×231.5 (mm N/A 34kg N/A	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host Integrated dispenser arm 30L Water tank 60L Water tank 100L Water tank 100L Water tank Packing information Gross Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank Packing information Gross Weight Pre-treatment module Main host with dispenser arm 100L Water tank Packing Dimension (WxDxH) Pre-treatment module Main host with dispenser arm			30.8kg 91 10.6 12. 270x280x 328×540> 42×85.5×2 390x390x 390x390x 9.8 41.6kg 12. 14 15. 350x360x 510x670x	27.7kg kg 286kg 22kg 566 (mm) 6600 (mm) 631.5 (mm) 690 (mm) 930 (mm) 1235 (mm) 48kg 39.7kg 4kg kg 66kg 670 (mm) 800 (mm)			20kg N/A N/A 328×410×600 (mm 42×85.5×231.5 (mm N/A 34kg N/A	
Net Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank External Dimension (WxDxH) Pre-treatment module Main host Integrated dispenser arm 30L Water tank 60L Water tank 100L Water tank 100L Water tank Packing information Gross Weight Pre-treatment module Main host with dispenser arm 30L Water tank Packing information Gross Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank Packing Dimension (WxDxH) Pre-treatment module			30.8kg 9 10.6 12. 270x280x 328×540x 42×85.5×2 390x390x 390x390x 9.8 41.6kg 12. 14 15. 350x360x 510x670x 520x520x	27.7kg kg kg kg k6kg 22kg 5666 (mm) k6000 (mm) 331.5 (mm) 690 (mm) 1235 (mm) 1235 (mm) 124kg kg kg 66kg			20kg N/A N/A 328×410×600 (mm 42×85.5×231.5 (mm N/A 34kg N/A	

^{*}If the tap water contains a high rate of calcium ions and magnesium ion which do not meet the requirement, please use salty box to remove part of calcium ions and magnesium ion in advance **Resistivity typically 10-15M Ω .cm at 25 °C, Conductivity typically 0.1 μ S/cm, at 25 °C ***Feed water quality should meet above requirements and purified water through the remote water dispenser with end 0.22 μ m filter



Classic

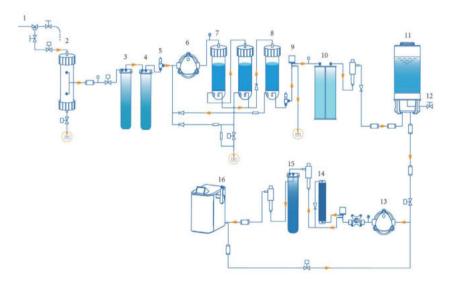


Classic DU15 / Classic DU20 / Classic DU25

Unique features

All-in-one system

- ASTM Type I & Type II water/Clinical laboratory reagent water (CLSI)
- On line real time TOC monitoring
- O Dual wavelength UV-lamp 254nm & 185nm
- U-cloud platform for remote monitoring (Wifi module)
- O DI resin module
- USB access port for data logging



- 1 Pre-treatment module
- 4 Pre-guard cartridge B
- 7 One-stage RO membrane
- 10 DI resin module
- 13 Circulating pump
- 16 Type I water dispenser arm
- 2 Solenoid valve
- 5 Conductivity electrode
- 8 Two-stage RO membrane
- 14 185 & 254 nm UV lamp
- 3 Pre-guard cartridge A
- 6 Booster pump
- 9 TEE Solenoid valve 12 Type II water outlet
- 15 Ultra purification cartridge



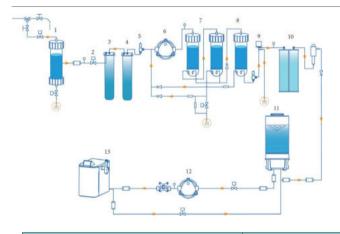


Classic D15 / Classic D20 / Classic D25

Unique features

- Integrated water dispenser arm
- © U-cloud platform for remote monitoring (Wifi module)
- o DI resin module
- USB access port for data logging

ASTM Type II high purified water system Clinical laboratory reagent water (CLSI)



- 1 Pre-treatment module
- 3 Pre-guard cartridge A
- 5 Conductivity electrode
- 7 One-stage RO membrane
- 9 TEE Solenoid valve
- 11 Water tank 13 Type II water dispenser arm
- 2 Solenoid valve
- 4 Pre-guard cartridge B
- 6 Booster pump
- 8 Two-stage RO membrane
- 10 DI resin module
- 12 Circulating pump

Main configurations	All-in-one system		m		Type II water			
wani configurations	DU15	DU20	DU25	D15	D20	D25		
Pre-treatment module	YES YES							
Main host		YES			YES			
Pre-guard cartridge A		YES			YES			
Pre-guard cartridge B		YES		YES				
Two-stage Reverse Osmosis		YES		YES				
DI resin		YES		YES				
60L water tank; stepless water level sensor		YES		YES				
254nm UV light of water tank		YES		YES				
Inlet air filter of water tank		YES		YES				
Water leakage protection sensor		YES		YES				
TOC monitoring	YES			YES NO			NO	
Dual wavelength (254nm & 185nm)UV-lamp	YES			NO				
Ultra purification cartridge A	YES			NO				
One integrated water dispenser arm		YES			YES			

^{*}Optional ultra purification cartridge B special for semiconductor industry that has higher deionization requirements



Model	All-	-in-one systen	n		Type II water	
	DU15	DU20	DU25	D15	D20	D25
Feed water requirement						•
Source			Potable t			
Conductivity TOC			< 2000 < 1 p			
Hardness*						
Pressure		< 450ppm as CaCO ₃ 0.1~0.4Mpa (7-72psi)				
Temperature			5~4			
PH			4-	10		
Type II high purified water						
Resistivity at 25 C **		>	8MΩ.cm; typica	lly 10-15MΩ.cr	n	
Conductivity at 25 C **			Typically	0.1μS/cm		
TOC			<30ppl	o(μg/L)		
Particulates with size > 0.22μm***			<1p			
Endotoxin (Pyrogens)***			<0.001			
Bacteria***			<0.01cfu/m			
Rnase***			<1pg			
Dnase***			<5pg			
Proteases***			<0.15			
RO rejection			≥9			
DI ion rejection Production flow rate	151 // 1	201 // 1	≥9'		201 /11	251 /11
Manual control water flow rate	15L/H	20L/H	25L/H Im 2L/min, step	15L/H	20L/H	25L/H
Quantitative water dispense range		IVIAXIIIIU	0.01L		now rate	
Type I ultra purified water			0.012	OOL		
Resistivity at 25 °C		18.2MΩ.cm				
Conductivity at 25 °C		0.055µS/cm				
TOC		≤2ppb(μg/L)				
Particulates with size > 0.22μm		No particles				
Endotoxin (Pyrogens)		<0.001EU/mL			N/A	
Bacteria	<0.01	cfu/mL (<10cfu	/L)		, , .	
Rnase/Dnase Proteases		Free				
Manual control water flow rate		<0.15µg/mL in, stepless control	of flow rate			
Quantitative water dispense range		0.01L ~ 60L	or now rate			
Electrical requirement		0.012 002				
Electrical voltage			110V/22	0V ±10%		
Electrical frequency			50Hz	/60Hz		
Power			13.	5W		
Size information						
Net Weight			0.5	.1		
Pre-treatment module Main host with dispenser arm	20.41/2	20.11/2	8.5	26.5kg	27.21/2	27.71.0
30L Water tank	28.4kg	29.1kg	29.6kg	26.5kg (q	27.2kg	27.7kg
60L Water tank						
100L Water tank	10.66kg 12.2kg					
External Dimension (WxDxH)			12.	<u> </u>		
Pre-treatment module	270x280x566 (mm)					
Main host	328×540×600 (mm)					
Integrated dispenser arm	42×85.5×231.5 (mm)					
30L Water tank	390x390x690 (mm)					
60L Water tank	390x390x930 (mm)					
100L Water tank			390x390x	1235 (mm)		
Decline informati						
Packing information						
Gross Weight			0.0	lka		
Gross Weight Pre-treatment module	39.2ka	39.9ka	9.8 40.4ka		39.2ka	39.7ka
Gross Weight Pre-treatment module Main host with dispenser arm	39.2kg	39.9kg	40.4kg	38.5kg	39.2kg	39.7kg
Gross Weight Pre-treatment module Main host with dispenser arm 30L Water tank	39.2kg	39.9kg	40.4kg 12.	38.5kg 4kg	39.2kg	39.7kg
Gross Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank	39.2kg	39.9kg	40.4kg 12. 14	38.5kg 4kg kg	39.2kg	39.7kg
Gross Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank Packing Dimension (WxDxH)	39.2kg	39.9kg	40.4kg 12.	38.5kg 4kg kg	39.2kg	39.7kg
Gross Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank	39.2kg	39.9kg	40.4kg 12. 14 15. 350x360x	38.5kg 4kg kg 6kg 670 (mm)	39.2kg	39.7kg
Gross Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank Packing Dimension (WxDxH) Pre-treatment module Main host with dispenser arm	39.2kg	39.9kg	40.4kg 12. 14 15. 350x360x 510x670x	38.5kg 4kg kg 6kg 670 (mm) 800 (mm)	39.2kg	39.7kg
Gross Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank Packing Dimension (WxDxH) Pre-treatment module Main host with dispenser arm 30L Water tank	39.2kg	39.9kg	40.4kg 12. 14 15. 350x360x 510x670x 520x520x	38.5kg 4kg kg 6kg 670 (mm) 800 (mm) 780 (mm)	39.2kg	39.7kg
Gross Weight Pre-treatment module Main host with dispenser arm 30L Water tank 60L Water tank 100L Water tank Packing Dimension (WxDxH) Pre-treatment module Main host with dispenser arm	39.2kg	39.9kg	40.4kg 12. 14 15. 350x360x 510x670x 520x520x 520x520x	38.5kg 4kg kg 6kg 670 (mm) 800 (mm) 780 (mm)	39.2kg	39.7kg

^{*} If the tap water contains a high rate of calcium ions and magnesium ion which do not meet the requirement, please use salty box to remove part of calcium ions and magnesium ion in advance
*** Resistivity typically 10-15MΩ.cm at 25 °C, Conductivity typically 0.1μS/cm, at 25 °C
**** Feed water quality shoud meet above requirements and purified water through the remote water dispenser with end 0.22μm filter



—TITAN



Nova C300 / Nova C500 / Classic C300 / Classic C500

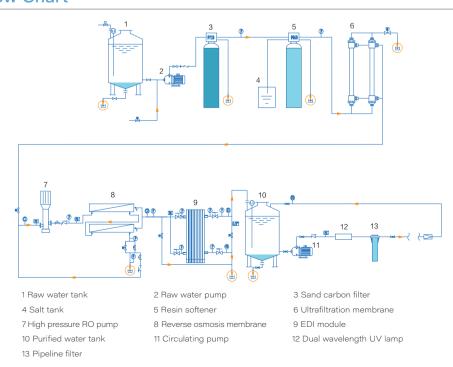
Nova-Unique features

- © EDI and water pumps original imported
- O ASTM Type II / Type I purified water system
- Pre-treatment module
- 500L stainless steel water tank
- Productivity rate 300L/500L
- TFT touch screen controller
- U-cloud platform for remote monitoring (Wifi module)
- USB access port for data logging

Classic-Unique features

- China made high quality customized
 EDI and pumps
- O ASTM Type II / Type I purified water system
- Pre-treatment module
- 500L stainless steel water tank
- Productivity rate 300L/500L
- TFT touch screen controller
- U-cloud platform for remote monitoring (Wifi module)
- USB access port for data logging

Central high purified water system



Main configurations		Central high purified water system					
		Nova C300	Nova C500	Classic C300	Classic C500		
Raw water tank							
	Raw water pump						
Pre-treatment module	Sand carbon filter						
	Salt tank and Resin softener			● China made high quality			
	Ultrafiltration membrane	 All water pumps are original 					
Main system	High pressure water pump	imported, qualified by CE and NSF EDI self-develo					
	Reverse osmosis membrane			● EDI self-developed			
	EDI module						
	Water distribution pump						
	Microporous filter membrane pipeline filter						
	Dual wavelength (254nm & 185nm) UV- lamp						
500L Stainless steel water tank	254nm UV light						
	0.2μm inlet air filter						

^{*}Please contact for more customized water tank: one ton, one and half tons, two tons, etc ** If needed, we will help to design installation building pipeline

[▲] Upgraded Type I ultra purified water system equipped with ultrafiltration membrane and TOC module (optional)

Model		Central high purified water system					
		Nova C300	Nova C500	Classic C300	Classic C500		
	Source		Potable tap water				
Feed water requirement	Conductivity		<2000µS/cm				
	TOC		<1ppm				
	Hardness*	<450ppm as CaCO ₃					
	Pressure		0.1~0.4Mpa (7-72psi)				
	Temperature	5~45 C					
	PH	4-10					
	Resistivity at 25 C **		>8MΩ.cm; typically 10-15MΩ.cm				
Specifications	Conductivity at 25 °C **		0.125μS/cm; typically 0.1μS/cm				
	TOC		<30ppb(μg/L)				
	Particulates with size>0.22µm****		<1pc/µL				
	Bacteria****		<0.01cfu/mL(<10cfu/L)				
	Rnase****		<1pg/mL				
Specifications	Dnase****		<5pg/mL				
	Proteases****		<0.15μg/mL				
	RO rejection		≥99%				
	EDI ion rejection		≥99%				
	Flow rate***		Instantaneous demand 500-1000L/H				
	Production rate	300L/H	500L/H	300L/H	500L/H		
	Electrical voltage		110V/220V ±10%				
Electrical requirement	Electrical frequency		50Hz/60Hz				
	Power		220V				
Net weight	Pre-treatment module	200kgs					
	Main host		380kgs				
	500L Water tank		57kgs				
External dimension (HxWxL)	Pre-treatment module		1500×790×660(mm)				
	Main host		1750x1150x780(mm)				
	500L Water tank	2150×700×700(mm)					
	Pipeline conection	3/4 inch					
	Pre-treatment module	240kgs					
Packing gross weight	Main host		430kgs				
. aciang gross weight	500L water tank	57.5kgs					
	Pre-treatment module		1650×840×710(mm)				
Packing dimension	Main host		1900×1200×830(mm)				
(HxWxL)	500L water tank	2300×750×750(mm)					

 $^{^{*}}$ If the tap water contains a high rate of calcium ions and magnesium ion which do not meet the requirement, please use salty box to remove part of calcium ions and magnesium ion in advance



^{**} Resistivity Typically 10-15M Ω .cm at 25 $^{\circ}$ C , Conductivity typically 0.1 μ S/cm, at 25 $^{\circ}$ C

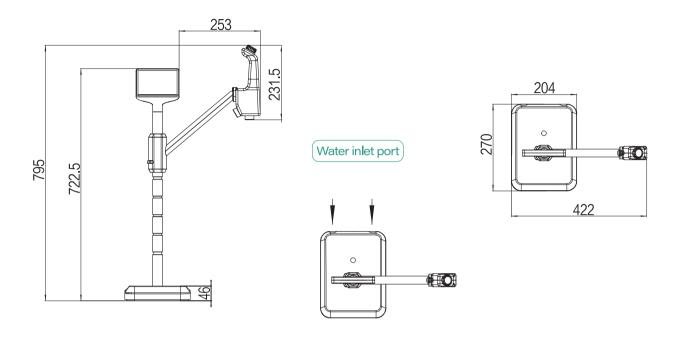
^{***} Instantaneous demand, water pressure 0.15-0.35MPa

^{****}Feed water quality shoud meet above requirements

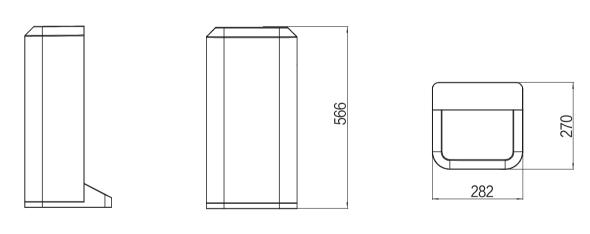
Installation information

(In mm)

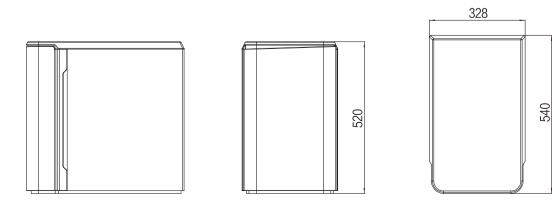
Dispenser Arm-Nova-Smart



Pretreatment module-All models

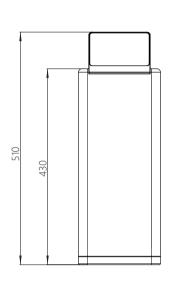


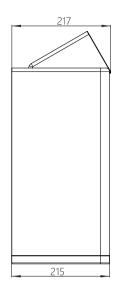
Nova series all-in-one machine

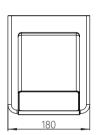


$Installation \ information$

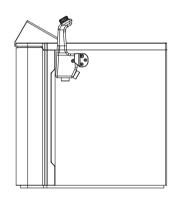
Nova Zero-ion

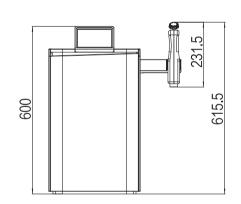


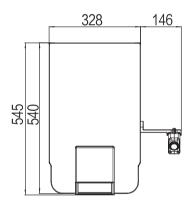




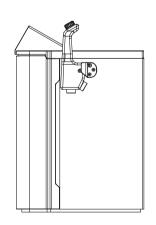
Performa serie All-in-one system Classic serie All-in-one system Classic series Type II water system

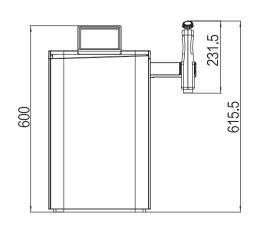


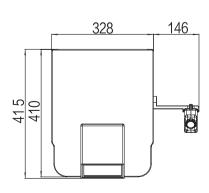




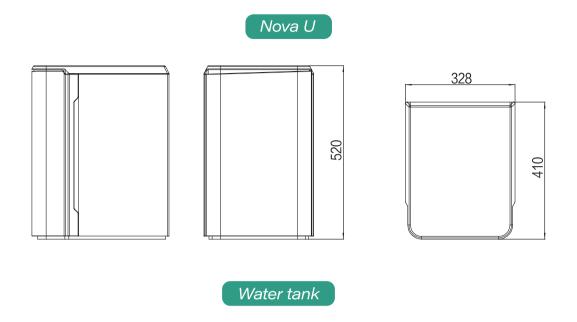


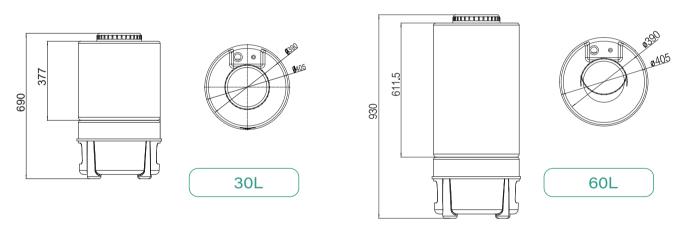


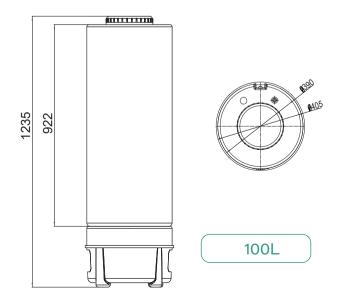




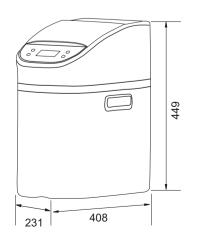
$Installation \ information$





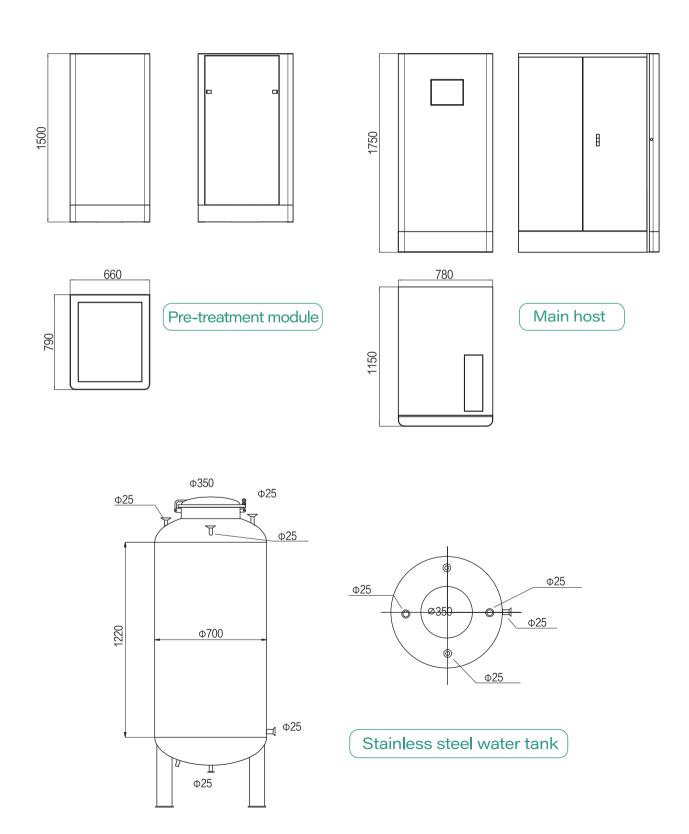


Universal salt softener for all laboratory use models

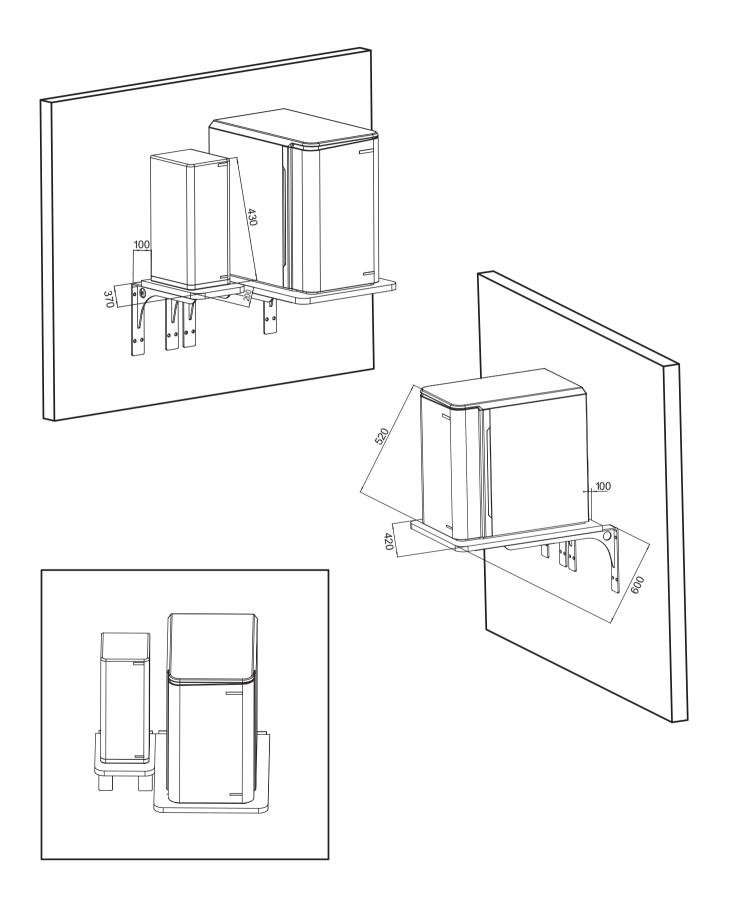


$Installation \ information$

Central high purified water system



Wall-mounted installation





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