



Proseers



Quality Laboratory Water Solution



QINGDAO INNOVA BIO-MEDITECH CO., LTD



—Performa



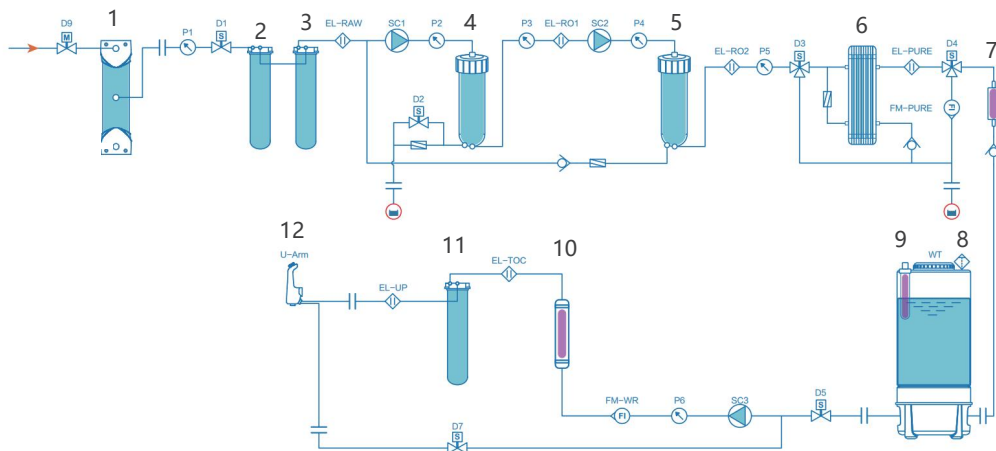
Performa EU10 / Performa EU15 / Performa EU20

Unique features

All-in-one system

- 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, Pure water mercury-free UV lamp 265nm
- China made EDI self-developed
- U-cloud platform for remote monitoring (Wifi module)
- USB access port for data logging
- UV lamp can be customized to all mercury free with extra charge.

Water Flow Chart



1. Pre-treatment module
2. Pre-guard cartridge A
3. Pre-guard cartridge B
4. First stage RO membrane

5. Second stage RO membrane
6. EDI module
7. Mercury-free UV lamp 265nm
8. Water tank air filter

9. Water tank UV lamp 254nm
10. UV lamp 185 & 254 nm
11. Ultra purification cartridge
12. Type I water dispenser arm



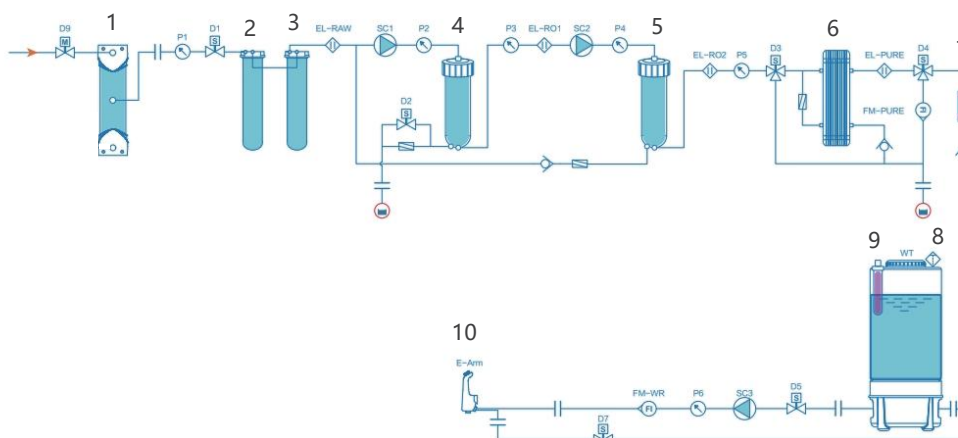
Performa E10 / Performa E15 / Performa E20

Unique features

- Integrated water dispenser arm
- China made EDI self-developed
- U-cloud platform for remote monitoring (Wifi module)
- USB access port for data logging
- Pure water mercury-free UV lamp 265nm
- UV lamp can be customized to all mercury free with extra charge

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

Water Flow Chart



- | | |
|-----------------------------|---------------------------------|
| 1. Pre-treatment module | 6. EDI module |
| 2. Pre-guard cartridge A | 7. Mercury-free UV lamp 265nm |
| 3. Pre-guard cartridge B | 8. Water tank air filter |
| 4. First stage RO membrane | 9. Water tank UV lamp 254nm |
| 5. Second stage RO membrane | 10. Type II water dispenser arm |



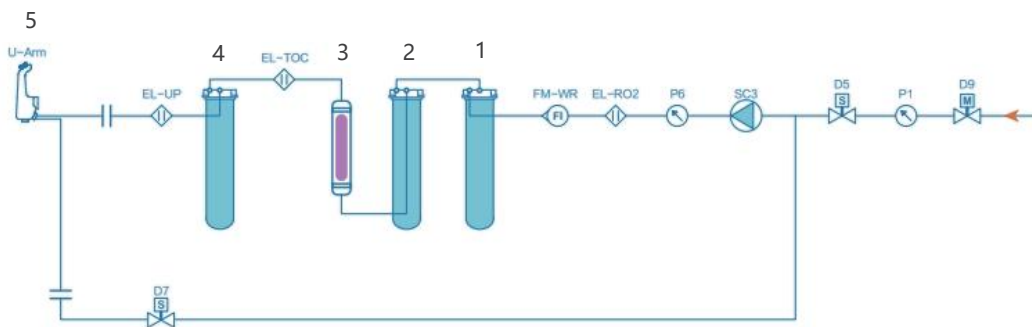
Performa U

Unique features

- Integrated water dispenser arm
- On line real time TOC monitoring
- Dual wavelength UV-lamp 254nm & 185nm
- U-cloud platform for remote monitoring (Wifi module)
- USB access port for data logging
- UV lamp can be customized to all mercury free with extra charge

ASTM Type I Ultra purified water system

Water Flow Chart



1. Pre purification cartridge A
2. Pre purification cartridge B
3. UV lamp 185 & 254 nm
4. Ultra purification cartridge
5. Type I water dispenser arm

Main configurations	All-in-one system			Type II water			Type I water
	Performa EU10	Performa EU15	Performa EU20	Performa E10	Performa E15	Performa E20	Performa U
Pre-treatment module	YES	YES	YES	YES	YES	YES	NO
Main host	YES	YES	YES	YES	YES	YES	YES
Pre-guard cartridge A	YES	YES	YES	YES	YES	YES	NO
Pre-guard cartridge B	YES	YES	YES	YES	YES	YES	NO
Pre purification cartridge A	NO	NO	NO	NO	NO	NO	YES
Pre purification cartridge B	NO	NO	NO	NO	NO	NO	YES
Two-stage Reverse osmosis	YES	YES	YES	YES	YES	YES	NO
EDI module self-developed	YES	YES	YES	YES	YES	YES	NO
Water tank; stepless water level sensor	YES	YES	YES	YES	YES	YES	NO
254nm UV light of water tank	YES	YES	YES	YES	YES	YES	NO
Inlet air filter of water tank 0.2μm	YES	YES	YES	YES	YES	YES	NO
Water leakage protection sensor	YES	YES	YES	YES	YES	YES	YES
Dual wavelength (254nm & 185nm) UV-lamp	YES	YES	YES	NO	NO	NO	YES
Pure water UV lamp (265nm)	YES	YES	YES	YES	YES	YES	NO
TOC monitoring	YES	YES	YES	NO	NO	NO	YES
Ultra purification cartridge B	YES	YES	YES	NO	NO	NO	YES
One integrated water dispenser arm	YES	YES	YES	YES	YES	YES	YES
1M water piping from main unit to water dispenser arm	YES	YES	YES	YES	YES	YES	YES
0.22 μm end filter	YES	YES	YES	YES	YES	YES	YES

* Optional ultra purification cartridge A special for semiconductor industry that has higher deionization requirements

Model	All-in-one system			Type II water			Type I water
	Performa EU10	Performa EU15	Performa EU20	Performa EI0	Performa EI5	Performa E20	Performa U
Feed water requirements							
Source	Potable tap water						Type II water/RO
Conductivity	<2000μS/cm						<100μS/cm
TOC	<1ppm						<50ppb
Hardness*	<300ppm						0-1ppm
Pressure	0.1~0.4MPa						0.1~0.4MPa
Temperature	4~45℃						4~45℃
pH	5-9						7/6-8
Total chlorine	<3ppm						/
Residual chlorine	<2ppm						/
SiO ₂	<30ppm						/
Type II high purified water							
Resistivity at 25℃**	15MΩ.cm; typically 10-15MΩ.cm						N/A
Conductivity at 25℃**	0.067μS/cm; typically 0.1μS/cm						
TOC	<30ppb(μg/L)						
Particulates with size > 0.22μm***	No particles						
Bacteria***	<0.01cfu/mL (<10cfu/L)						
RO rejection	≥99%						
EDI ion rejection	≥99%						
Production flow rate	10L/H	15L/H	20L/H	10L/H	15L/H	20L/H	
Type I ultra purified water							
Resistivity at 25℃	18.2MΩ.cm			N/A			18.2MΩ.cm
Conductivity at 25℃	0.055μS/cm						0.055μS/cm
TOC	≤2ppb(μg/L)****						≤2ppb(μg/L)
Particulates with size > 0.22μm***	No particles						No particles
Endotoxin (Pyrogens)***	<0.001EU/mL						<0.001EU/mL
Bacteria***	<0.001cfu/mL (<10cfu/L)						<0.01cfu/mL (<10cfu/L)
Rnase/Dnase***	<1pg/mL						Free
Proteases***	<0.15μg/mL						<0.15μg/mL
Manual control water flow rate	Maximum 2L/min, stepless control of flow rate						Maximum 2L/min, stepless control of flow rate
Quantitative water dispense range	0.01L ~ 60L						0.01L ~ 60L
Electrical requirement							
Electrical voltage	110V/220V ±10%						
Electrical frequency	50Hz/60Hz						
Power	<135W						
Size information							
Net Weight							
Pre-treatment module	5.9kg						N/A
Main host with dispenser arm	26.8kg	27.2kg	27.6kg	25.8kg	26.2kg	26.6kg	14.6kg
30L Water tank	10.6kg						N/A
60L Water tank	12.2kg						
100L Water tank	13.6kg						
External Dimension (WxDxH)							
Pre-treatment module	180×215×430 (mm)						N/A
Main host with dispenser arm	330×545×605 (mm)						330×420×605 (mm)
30L Water tank	410×410×695 (mm)						N/A
60L Water tank	410×410×935 (mm)						
100L Water tank	410×410×1245 (mm)						
Packing information							
Gross Weight							
Accessory	13kg						24kg
Main host with dispenser arm	36kg						
30L Water tank	12.5kg						N/A
60L Water tank	15.1kg						
100L Water tank	16kg						
Packing Dimension (WxDxH)							
Accessory	400×780×280 (mm)						N/A
Main host with dispenser arm	420×630×790 (mm)						420×630×790 (mm)
30L Water tank	420×420×770 (mm)						N/A
60L Water tank	420×420×1010 (mm)						
100L Water tank	420×420×1320 (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 °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 filter

****To achieve TOC level of less than 2 ppb in Type I pure water, the following conditions must be met: 1. The raw tap water must be less than 1 ppm; 2. The purification cartridge must be activated for at least 48 hours (preferably with testing and acceptance after one week purification); 3. 300 L of water must be flushed through the system.



Proseers

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