



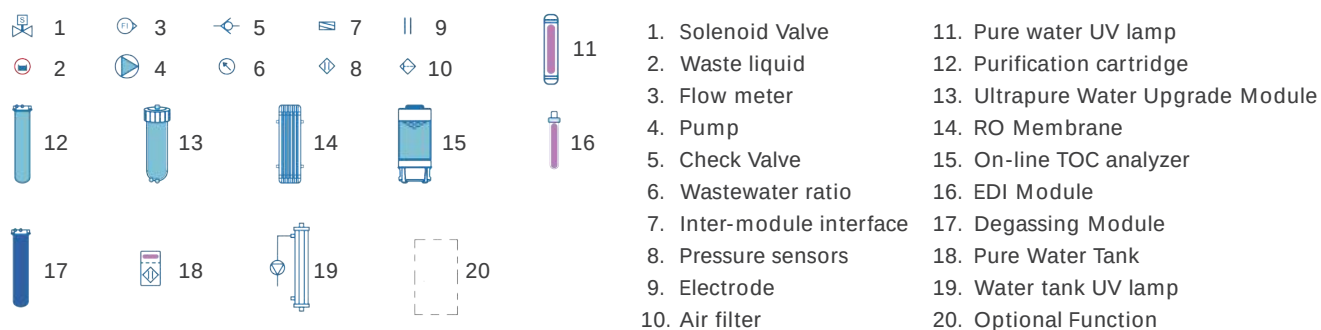
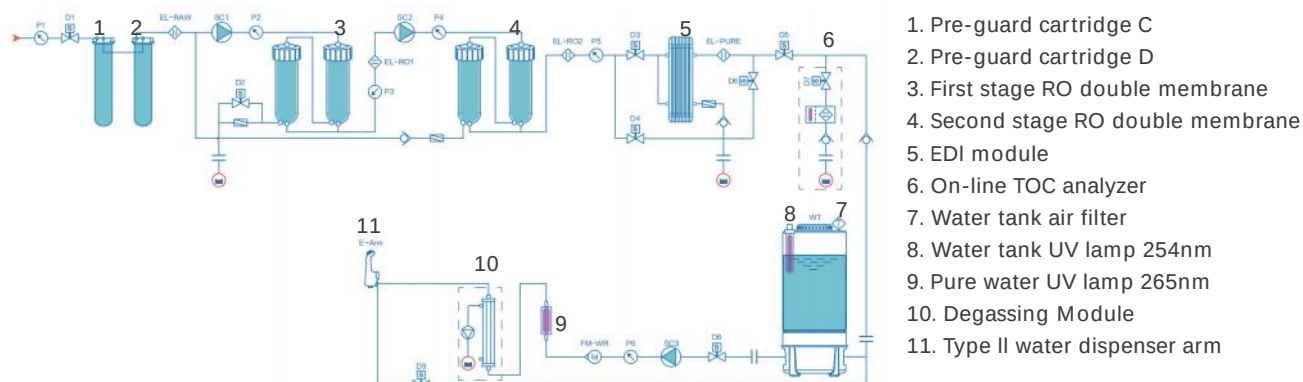
Noble E60/Noble E100

Unique features

- ASTM Type II high purified water system & Clinical laboratory reagent water (CLSI)
- Integrated water dispenser arm
- U-cloud platform for remote monitoring(Wifi module)
- China made EDI self-developed
- USB access port for data logging
- Pure water UV lamp 265nm

ASTM Type II Ultra purified water system

Water Flow Chart





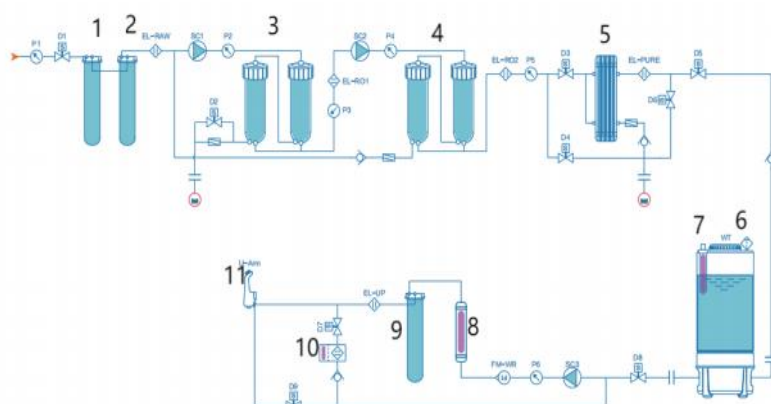
Noble EU60/Noble EU100

Unique features

- 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
- China made EDI self-developed
- U-cloud platform for remote monitoring (Wifi module)
- USB access port for data logging

All-in-one system

Water Flow Chart



1. Pre-guard cartridge C
2. Pre-guard cartridge D
3. First stage RO double membrane
4. Second stage RO double membrane
5. EDI module
6. Water tank air filter
7. Water tank UV lamp 254nm
8. Dual wavelength UV lamp, 185&254nm
9. Ultra purification cartridge
10. On-line TOC analyzer
11. Type I water dispenser arm

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|---------------------------|------------------------------------|
| 1. Solenoid Valve | 11. Pure water UV lamp |
| 2. Waste liquid | 12. Pre-guard cartridge |
| 3. Flow meter | 13. Ultrapure Water Upgrade Module |
| 4. Pump | 14. RO Membrane |
| 5. Check Valve | 15. On-line TOC analyzer |
| 6. Wastewater ratio | 16. EDI Module |
| 7. Inter-module interface | 17. Degassing Module |
| 8. Pressure sensors | 18. Pure Water Tank |
| 9. Electrode | 19. Water tank UV lamp |
| 10. Air filter | 20. Optional Function |

Main configuration	Type II water		All-in-one system	
	Noble E60	Noble E100	Noble EU60	Noble EU100
Pre-guard cartridge C	Yes		Yes	
Pre-guard cartridge D	Yes		Yes	
Two-stage Reverse osmosis	Yes		Yes	
EDI module self-developed	Yes		Yes	
100L Water tank;stepless water level sensor	Yes		Yes	
254nm UV light of water tank	Yes		Yes	
Inlet air filter of water tank 0.2um	Yes		Yes	
Water leakage protection sensor	Yes		Yes	
Dual wavelength (254 nm & 185 nm)UV-lamp	No		Yes	
Pure water UV lamp (254 nm)	Yes		No	
Ultra purification cartridge	No		Yes	
One integrated water dispenser arm	Yes		Yes	
1M water piping from main unit to water dispenser arm	Yes		Yes	
0.22 μm end filter	Yes		Yes	
On-line TOC analyzer	Optional		Yes	
Degassing Module	Optional		No	
Ultrapure Water Upgrade Module	No		Yes	

Model	Type II water		All-in-one system	
	Noble E60	Noble E100	Noble EU60	Noble EU100
Feed water requirements				
Source	Potable tap water		Potable tap water	
Water inlet pressure	0.1-0.4MPa		0.1-0.4MPa	
Water inlet conductivity	<2000uS/cm		<2000uS/cm	
Water inlet TOC	<1ppm		<1ppm	
Hardness	< 300 ppm		< 300 ppm	
Ambient temperature	4-45℃		4-45℃	
PH	4-10		4-10	
Type II high purified water				
Resistivity at 25 ℃	≥5 MΩ.cm		≥5 MΩ.cm	
Conductivity at 25 ℃	≤ 0.2 uS/cm		≤ 0.2 uS/cm	
TOC (Total Organic Carbon)	<30 ppb(μg/L)		<30 ppb(μg/L)	
Particles (>0.2μm particles)	<1 /mL		<1 /mL	
Microorganism	< 1 cfu/mL		< 1 cfu/mL	
RO rejection	97-98%		97-98%	
EDI ion rejection	≥99%		≥99%	
Production flow rate	60 L/H	100 L/H	60 L/H	100 L/H
Manual control water flow rate	2 L/min		2 L/min	
RO rejection	97-98%		97-98%	
Organic rejection	≥99%		≥99%	
Type I ultra purified water				
Electrical resistivity	N/A		18.2 MΩ.cm@25℃	
TOC (Total Organic Carbon)			<5 ppb ^[1]	
Particles (>0.2μm particles)			<1 /mL	
Microorganism			<0.01 CFU/mL	
Pyrogen			<0.001 EU/mL	
Rnase			<0.4 pg/mL	
Dnase			<2 pg/mL	
Flow rate			1L/min	
Electrical requirement				
Input voltage	100-240 V/50-60 Hz/AC		100-240 V/50-60 Hz/AC	
Rated power	120 W		120 W	
Size information				
Dimensions (width × depth × height)	Main host: 350×640×650 mm Water tank: 410×1245 mm		Main host: 350×640×650 mm Water tank: 410×1245 mm	
Main host weight	12 kg		17 kg	