

ULTRA PURIFIED WATER SYSTEM

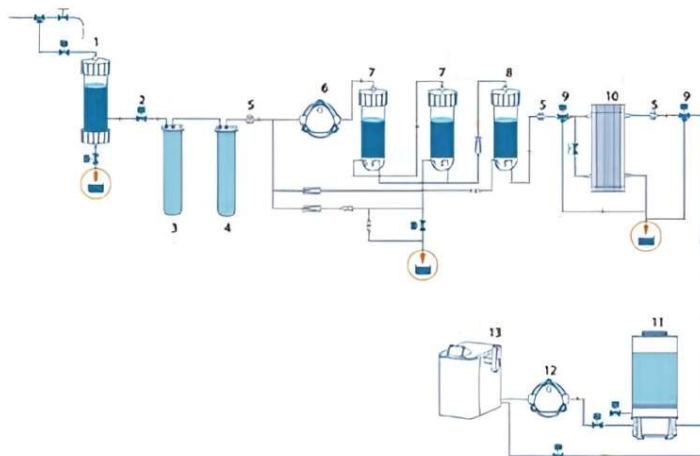
NEO U20



Product Overview

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

Water Flow Chart



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

Main configurations	All-in-one system NEO U20
Pre-treatment module	YES
Main host	YES
Pre-guard cartridge A	YES
Pre-guard cartridge B	YES
Pre purification cartridge A	NO
Pre purification cartridge B	NO
Two-stage Reverse osmosis	YES
EDI module self-developed	YES
60L water tank; stepless water level sensor	YES
254nm UV light of water tank	YES
Inlet air filter of water tank 0.2μm	YES
Water leakage protection sensor	YES
Dual wavelength (254nm & 185nm)UV-lamp	YES
TOC monitoring	YES
Ultra purification cartridge A	YES
One integrated type I water dispenser arm	YES
1M water piping from main unit to water dispenser arm	YES
0.22 μm end filter	YES
Feed water requirements	
Source	Potable tap water
Conductivity	<2000μS/cm
TOC	<1ppm
Hardness*	<450ppm as CaCO
Pressure	0.1~0.4Mpa (7-72psi)
Temperature	5~45°C

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Model	All-in-one system NEO U20
PH	4-10
Type II high purified water	
Resistivity at 25°C**	15MO.cm; typically 10-15MO.cm
Conductivity at 25°C**	0.067µS/cm; typically 0.1µS/cm
TOC	<30ppb(µg/L)
Particulates with size > 0.22µm***	No particles
Endotoxin (Pyrogens)***	<0.001EU/mL
Bacteria***	<0.01cfu/mL (<10cfu/L)
Rnase***	<1pg/mL
Dnase***	<3pg/mL
Proteases***	<0.15µg/mL
RO rejection	≥99%
EDI ion rejection	≥99%
Production flow rate	20L/H
Manual control water flow rate	Maximum 2L/min, stepless control of flow rate
Quantitative water dispense range	10mL ~ 60L
Type I ultra purified water	
Resistivity at 25°C	18.2MO.cm
Conductivity at 25°C	0.055µS/cm
TOC	≤2ppb(µg/L)
Particulates with size > 0.22µm	No particles
Endotoxin (Pyrogens)	<0.001EU/mL
Bacteria	<0.01cfu/mL (<10cfu/L)
Rnase/Dnase	Free
Proteases	<0.15µg/mL
Manual control water flow rate	Maximum 2L/min, stepless control of flow rate
Quantitative water dispense range	0.01L ~ 60L
Electrical requirement	
Electrical voltage	110V/220V ±10%
Electrical frequency	50Hz/60Hz
Power	<135W
Size information	
Net Weight	
Pre-treatment module	8.5kg
Main host with dispenser arm	30.8kg
30L Water tank	9kg
60L Water tank	10.66kg
100L Water tank	12.2kg
External Dimension (WxDxH)	
Pre-treatment module	270x280x566 (mm)
Main host	328x540x600 (mm)
Integrated dispenser arm	42x85.5x231.5 (mm)
30L Water tank	390x390x690 (mm)
60L Water tank	390x390x930 (mm)
100L Water tank	390x390x1235 (mm)
Packing information	
Gross Weight	
Pre-treatment module	9.8kg
Main host with dispenser arm	41.6kg
30L Water tank	12.4kg
60L Water tank	14kg
100L Water tank	15.6kg
Packing Dimension (WxDxH)	
Pre-treatment module	350x360x670 (mm)
Main host with dispenser arm	510x670x800 (mm)
30L Water tank	520x520x780 (mm)
60L Water tank	520x520x1020 (mm)
100L Water tank	520x520x1325 (mm)