

Ariosso

Precision Elegance

*Efficiently Innovative System
of Human Corporation.*

New model, ARIOSSO is the world's top which is embedded with state - of - the - art technology. It will satisfy you beyond your imagination with the world's first developed 2 - in - 1 system (producing Pure water and Ultra pure water from 1 system), controlled by a large touch screen, meeting the various application, elegant and practically scientific design.





Extensible point of use



Accessories



Pedal switch



PF final filter
(Pyrogen free)



Printer

System Display



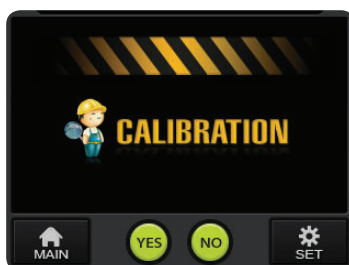
POWER (RUN)



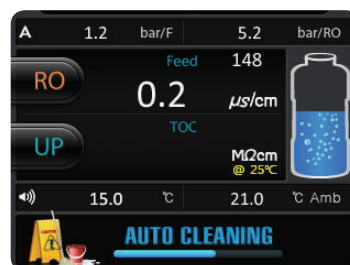
RO (RUN)



UP (RUN)



CALIBRATION



AUTO CLEANING

Ariosso Power System

Pure water & Ultra pure (2 in 1 System)

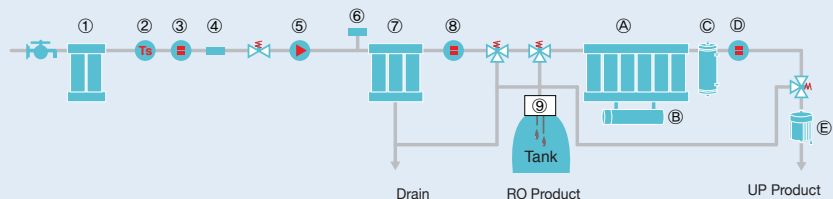
*A cup of hot coffee in harmony with cello melody,
Feel the inspiration of the ARIOSSO !!*

Features

- Certified CE, ISO 9001, ISO 14001
- Awarded Korean excellent products
- Auto calibration for water sensor
- Extensible point of use
- Frost alarm message
- 3, 5 steps water level sensor
- Filter exchange indicator :
Beep & character display
- Languages : English, Korean, etc
- Self-diagnosis functions



Flow Schematic



- | | | | |
|-------------|-----------------------|---------------------------------------|------------------------|
| · RO system | ① Pretreatment system | ② Temp sensor | ③⑧ Conductivity sensor |
| | ④⑥ Pressure sensor | ⑦ RO pack | ⑨ Water sensor |
| · UP system | Ⓐ UP pack | Ⓑ 254/185 UV lamp | Ⓒ MW5000 UF filter |
| | Ⓓ Resistivity sensor | Ⓔ 0.2μm final filter(PF final filter) | |



Specifications

	Arioso Power I	Arioso Power I +70	Arioso Power II	Arioso Power II +70	Arioso Power II (TOC)	
Product flow rate (RO, UP)	Max. 15 L/Hr	Max. RO : 15 L/Hr UP : 70 L/Hr	Max. 25 L/Hr	Max. RO : 25 L/Hr UP : 70 L/Hr	Max. 25 L/Hr	
Display & Controller	Large color 70 x 52 touch screen				←	
Water quality display	Ambient temp : -10 to 100				←	
	Feed water temp : 0 to 100℃				←	
	Feed water : 0 to 999μS/cm				←	
	Pure water (RO) : 0.2 to 250.0μS/cm				←	
	Ultra Pure (UP) : Up to 18.3MΩ·cm				←	
	-				TOC : 0 to 200 ppb	
Pressure display	Digital Pressure Sensor (0~10kg/cm ²) ① Feed water pressure ② RO membrane pressure					
Self-check function	· Various valves · System operation status · Auto sensor calibration(RO, UP) · Self-diagnosis					
Cleaning function	· Auto regular cleaning Self-test · Auto regular cleaning · Auto cleaning lower than setting value					
System function	· Filter replacement alarm & display (A/C, RO/UP pack, UF, UV lamp, 0.2μmCF, etc) · Volumetric time setting (RO/UP) · Auto/Manual Pressure S/W · Language(English, Korean, etc) · Extensible point of use					
Type	Scholar		Scholar-UV		Bio	Integrate
	—	PF	—	PF		
0.2μm final filter	STD		STD		STD	STD
Pyrogen free final filter		STD		STD		
254/185 UV lamp			STD	STD		STD
MW 5000 UF filter					STD	STD
Water Quality						
-TOC (ppb)	5~10	5~10	0~5	0~5	5~10	0~5
-Endotoxin (Eu/mL)	NA	< 0.125	NA	< 0.125	< 0.001	< 0.001
-Bacteria (cfu/mL)	< 1	< 1	< 1	< 1	< 1	< 1
-Particles (> 0.22 μm/mL)	< 1	< 1	< 1	< 1	< 1	< 1
Dimensions (WxDxH)	320 x 490 x 475 mm					
Power	230V / 110V, 50/60Hz, 60W					
Standard Accessories	Pretreatment System, ROmembrane, UP Pack, Level Sensor, Manual, Power Cord					
Optional Accessories	· Printer · Foot-Pedal switch · Pretreatment system · Low pressure valve, Wall-mounting bracket · Water tank(20L, 30L, 40L, 60L) · Vent filter for PE water tank · Frame					

* All specifications are subject to change without notice.

Ariosso RO System

Pure water System

Comfortably flowing the ARIOSO so can feel like a piano sonata...

Features

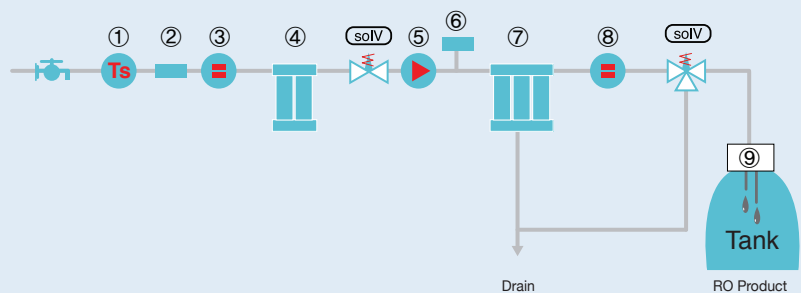
- Certified CE , ISO 9001, ISO 14001
- Automatic calibration for water sensor
- Large color 70 x 52 touch screen display
- Self-diagnosis functions
- Frost alarm message
- 5 steps water level sensor
- Filter exchange indicator :
Beep & character display
- Languages : English, Korean, etc.

Rejection Rate

- Monovalent ions : 95~99%
- Polyvalent ions : 98~99%
- Microorganism : 99%
- Particles : 99%
- Organics : 99%
- Pyrogen : 99%



Flow Schematic



- RO system ① Temp sensor ② Pressure sensor ③ Feed water sensor
- ④ Pre pack ⑤ Pump ⑥ Pressure sensor
- ⑦ RO pack ⑧ Conductivity sensor ⑨ Water sensor



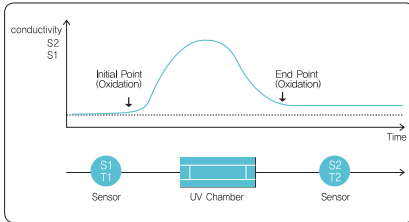
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Ariosso UP Syssem

Ultra Pure water System

Humanism, combined with state-of-the-art features and a masterpiece of the era, ARIOSSO! We feel the presence of greatness in itself.

TOC measuring principle

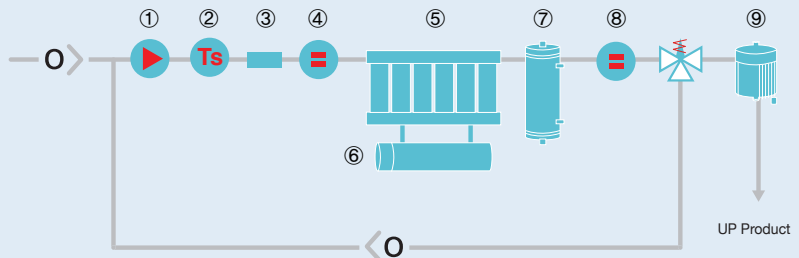


TOC measuring principle

- 1) Measuring conductivity and temperature of the water before oxidation in S1.
- 2) Oxidizing it with UV lamp in the chamber.
- 3) Measuring conductivity and temperature of the water after oxidation in S2 and compensating at 25°C.
- 4) Measuring TOC value with difference between the conductivity values in S1&S2.
($\Delta\text{conductivity} = S2 - S1$)



Flow Schematic



- UP system
- | | | |
|---------------------|----------------------|---------------------------------|
| ① Pump | ② Temp sensor | ③ Pressure sensor |
| ④ Feed water sensor | ⑤ UP pack | ⑥ 254/185 UV lamp |
| ⑦ MW5000 UF filter | ⑧ Resistivity sensor | ⑨ 0.2µm final filter(PF filter) |

Applications

Type	Scholar		Scholar - UV		Bio	Integrate
	—	PF	—	PF		
Type I grade water	○	○	○	○	○	○
Analytical instruments	○	○	○	○	○	○
AAS, ICP/MS, IC	○	—	○	○	—	○
HPLC, GC	—	—	○	○	—	○
TOC	—	—	○	○	—	○
Cell & tissue culture	—	○	—	○	○	○
In vitro fertilization	—	○	—	○	○	○
Electrophoresis	—	○	—	○	○	○
RNase, DNase&DNA free	—	—	—	○	—	○
Molecular biology	—	—	—	○	—	○

Applicable Model : Zenix UP / Zeneer Power, UP / New P.NIX Power, UP / New Human Power, UP / Nex Power, UP Series

Specifications

	Arioso UP 900				Arioso UP 900 (TOC)							
Water quality display	Ambient temp : -10 to 100℃				←							
	Feed water temp : 0 to 100℃				←							
	Feed water : 0 to 990 μ S/cm				←							
	Ultra pure(UP) : Up to 18.3M Ω ·cm				←							
	Inlet pressure : 0 to 10kg/cm ²				←							
	—				TOC : 0 to 200 ppb							
Display & Controller	Large color 70x52 touch screen											
Pressure display	Disital Pressure sensor (0~10kg/cm ²)											
Self-check functions	· Various valves · Auto sensor calibration · System operation status · Self diagnosis											
Cleaning functions	· Self test · Auto regular cleaning · Auto cleaning lower than setting value											
System fuctions	· Filter replacement alarm &display(Up pack, UF, UV lamp, 0.2 μ mCF) · Volumetric time setting · Language (English, Korean etc) · Auto/ Manual Pressure S/W · Extensible point of use											
Type	Scholar		Scholar-UV		Bio	Integrate						
	—	PF	—	PF								
Product flow rate (L/min)	1.5	1.5	1.5	1.5	1.5	1.5						
0.2 μ m final filter	STD		STD		STD	STD						
Pyrogen free final filter		STD		STD								
254/185 UV lamp			STD	STD		STD						
MW 5000 UF filter					STD	STD						
Water quality												
-TOC (ppb)	5~10		0~5		5~10		0~5					
-Endotoxin (Eu/mL)	NA	< 0.125	NA	< 0.125	< 0.001		< 0.001					
-Bacteria (cfu/mL)	<1		<1		<1		<1					
-Particles (< 0.22 μ m/mL)	<1		<1		<1		<1					
Standard accessories	UP pack, 0.2 μ mCF, manual, power cord											
UP Water analyzing data (ppb)	Fe	Cu	Al	Ni	Zn	Cr	Na	K	Cl ⁻	NO2 ⁻	NO3 ⁻	SO4 ⁻²
	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01
Dimensions (WxDxH)	320 x 490 x 475 mm											
Power	230V / 110V, 50/60Hz, 60W											
Optional Accessories	· Printer				· Level sensor for Pure water tank				· Wall mounting bracket			
	· Foot pedal switch				· Level sensor for UP water tank				· Frame			

* All specifications are subject to change without notice.