

Model :

Micro care advance Series



Water Purification System

Various improved functions for superior performance in your laboratory

- Convenient Operation
- Easy Maintenance
- Refined Design
- Quiet Operation
- Alarm for Filter Replacement

The highest water quality

- Easy to upgrade by adding RO Post pack to produce Type I water (ASTM)
- Auto-rinsing to keep constant water quality
- Sensing Cell to display accurate water quality (Conductivity & Resistivity) by automatic temperature compensation

Convenience for users

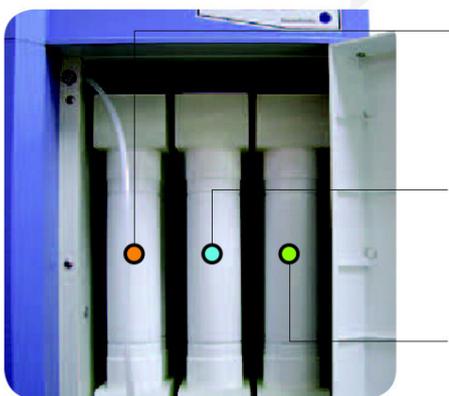
- One-touch clip type filters : Easy to replace filters by user
- Monitoring self test, filter replacement, Auto-rinsing and service check
- Separated modules for easy maintenance

Safety function

- Pressure regulator to prevent the instrument from damage by constant pressure
- Pressure blocking: High and low pressure limit blocking for safe operation

Attractive price

- The higher water quality you get, the lower cost we provide



RO Membrane Pack (Use of thin film composite(TFC) membrane)

- When water passes through the filter, pure water is produced by reverse osmosis (Pack 1 : 10ℓ/H, Pack 2 : 20ℓ/H)

RO Pre Pack

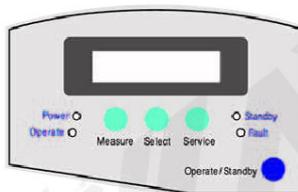
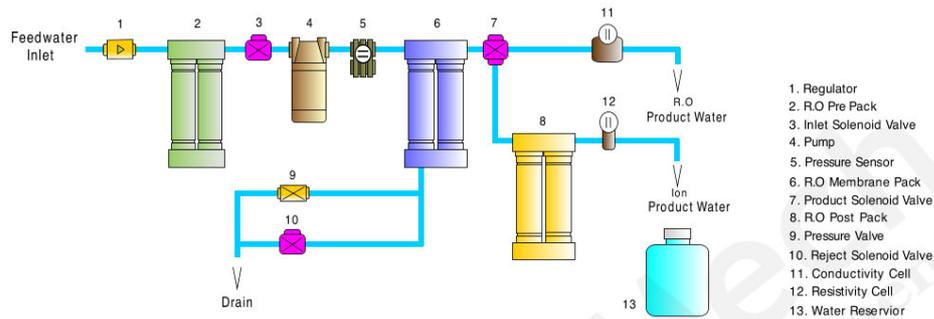
- Removal of particles larger than 5µm
- Filtering of chloride in tap water to protect RO Pack

RO Post Pack

- It reduces anions and cations as well as the level of remaining organics

Micro care advance Series

Flow Diagram

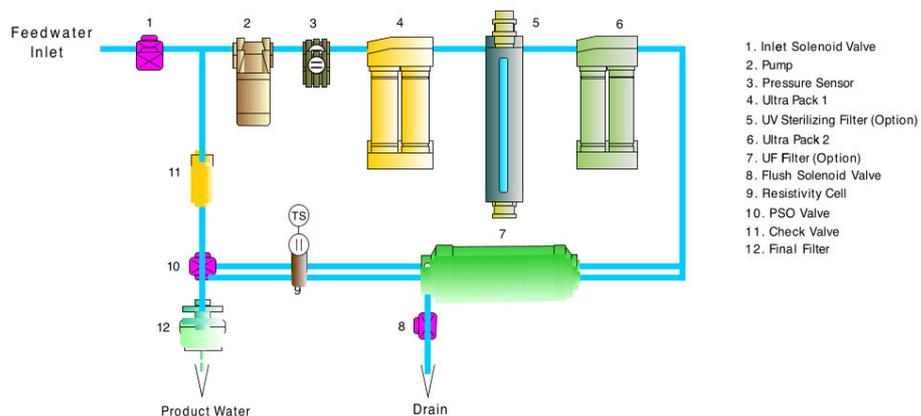


- LED Lamp
- Measure
- Select
- Service
- Operate/Standby
- LCD Display

Water quality and performance monitoring with alarm
 Conductivity & Resistivity Monitoring
 Run the selected operation
 Service function run (filter replacement, etc.)
 Selection of Operate/Standby
 Display of text message and value

Micro care advance Series

Flow Diagram



The best choice for ideal water quality in your lab.

- Convenient Operation
- Easy Maintenance
- Refined Design
- Quiet Operation
- Alarm for Filter Replacement

The highest water quality

- Micro care advance Series produce Type I grade in electrical resistivity 18.2 MQ cm and TOC level to < 10 ppb
- The water quality of aMicro care advance Series complies with ASTM, CAP, ACS and NCCLS to be used with HPLC, GC, IC, AAS, ICP and ICP-MS

Resistivity Measurement

- Measuring the resistivity by automatic temperature compensation for accurate measurement
- Easy to select temp. compensation function at your fingertips

Ultra Pack

- Almost perfect removal of organic materials
- In applications such as HPLC, Cell-transmitter, Pharmacy and Labs

UF Filter (Polysulphone membrane)

- Filtering various bacteria and impurities to reduce Pyrogen to 0.06 Eu/ml

UF Filter

- Significantly low TOC level (< 5ppb) for preparation of analytical grade reagents

0.2 um Final Filter

- Final filtering of impurities for produced water and prevention of contamination at drain



Ultra Pack



UF Filter



UV Filter



Final Filter

- Easy Filter Replacement



- Filter can be simply replaced by user
- One-touch clip to prevent leakage

Micro care advance Series System

Model	Micro Care Adv Series	Micro Care Adv Series	Micro Care Adv Series	Micro Care Adv Series
Part No	3601011000	3601011001	3601011002	3601011003
Water grade	Type III water/Standard	Type III water/Standard	Type III water/Extended capacity	Type II water/Extended capacity
Productivity	10ℓ / H	10ℓ / H	20ℓ / H	20ℓ / H
Water Quality	- Ion removal 95~99% - Particle removal 99% - Bacteria removal 99.99% - Pyrogen removal 99% - Organics removal 99%	1~15 MQ . cm	- Ion removal 95~99% - Particle removal 99% - Bacteria removal 99.99% - Pyrogen removal 99% - Organics removal 99%	1~15 MQ . cm
Filter Type	Pretreatment	V	V	V
	Reverse Osmosis	V	V	V
	Ion exchange	V	V	V
Feed water requirement	PH : 3~10, TDS : lower than 500ppm, Temp : 4~35 C, Pressure : 1~5Kg/cm ² , Turbidity : 1.0 NTU			
Environment Requirement	Temp : 5~40 C, Humidity : 20~80%			
Applications	- Washing/Rinsing - Autoclaves - Steam Generators	- Same as Basic 360 - Buffer and Media Preparation, Electrophoresis - Feed Water for Ultra-Pure Water	- Washing/Rinsing - Autoclaves - Steam Generators	- Same as Basic 362 - Buffer and Media Preparation, Electrophoresis - Feed Water for Ultra-Pure Water

Micro care advance Series System

Model	Micro Care Adv Series	Micro Care Adv Series	Micro Care Adv Series	Micro Care Adv Series
Part No	3701011000	3701011001	3701011002	3701011003
Applications	Reagents, General analysis, IC, AAS, HPLC, ICP-MS, Standard solvents and buffer solutions	Mammalian cell culture, DNA sequencing, Electrophoresis, Monoclonal antibody production	Ultra-trace inorganic and organic analysis, GC-MS and TOC analysis	Including all applications of UV and UF version, PCR, 2-dimensional electrophoresis, cell culture
Resistivity(at 25 ^o)	18.2 MQ·cm	18.2 MQ·cm	18.2 MQ·cm	18.2 MQ·cm
TOC	5~10 ppb	5~10 ppb	1~5 ppb	1~5 ppb
Pyrogen	-	<0.06 Eu/ml	-	<0.06 Eu/ml
Productivity	50 L/H	50 L/H	50 L/H	50 L/H

• Ultra-pure/Pure Water Purification System Package



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