



## Water Purification System

aquaMAX™ - Basic 360 Series

aquaMAX™ - Ultra 370 Series



# aquaMAX™ - Basic 360 Series

with Reverse Osmosis Technology

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 II 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 : 10 ℓ /H, Pack 2 : 20 ℓ /H)

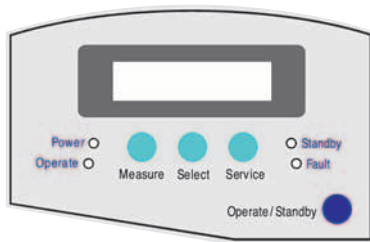
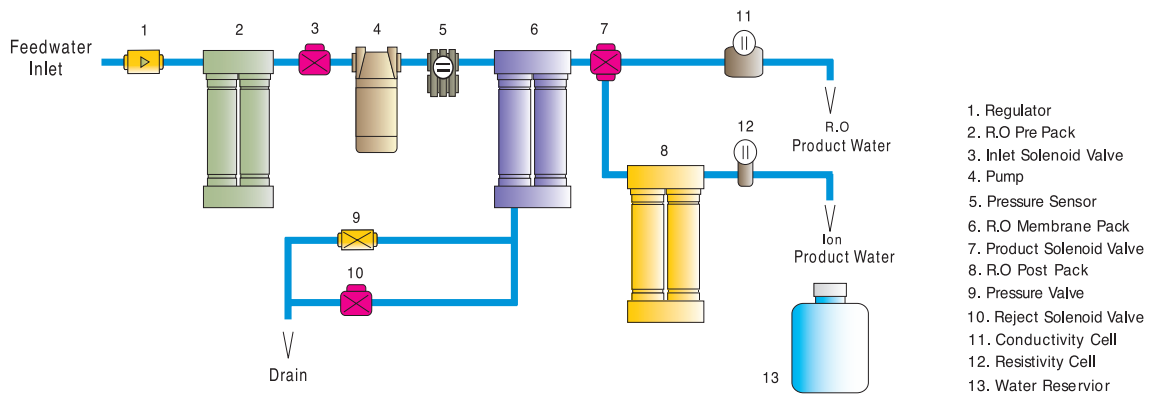
### RO Pre Pack

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

### RO Post Pack

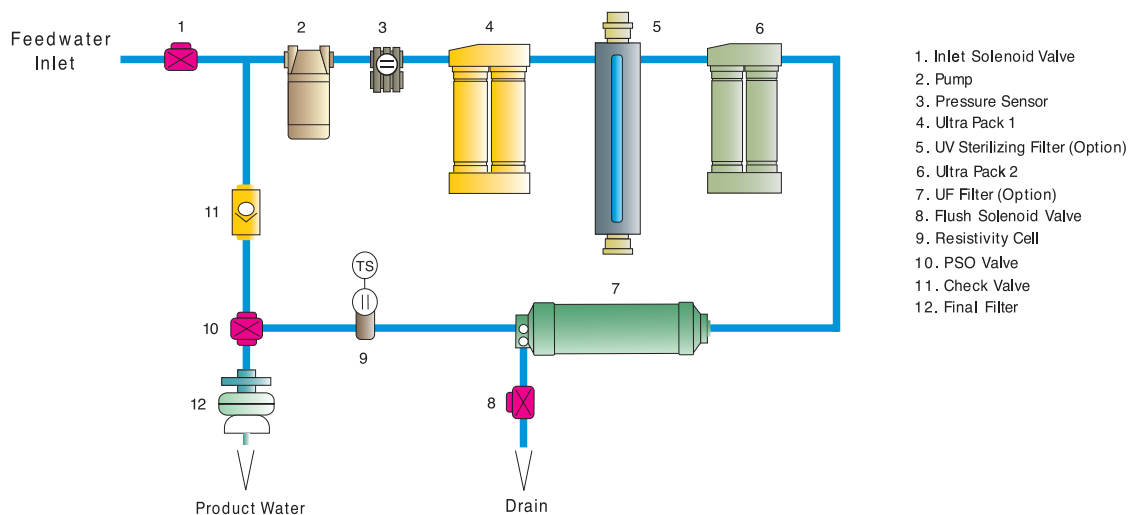
- It reduces anions and cations as well as the level of remaining organics

## aquaMAX™ - Basic 360 Series Flow Diagram



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

## aquaMAX™ - Ultra 370 Series Flow Diagram



# aquaMAX™ - Ultra 370 Series

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

- aquaMAX™-Ultra370 Series produce Type I grade in electrical resistivity  $18.2 \text{ M}\Omega \cdot \text{cm}$  and TOC level to  $< 10 \text{ ppb}$
- The water quality of aquaMAX™-Ultra 370 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  $0.06 \text{ Eu/ml}$

## ● UV Filter

- Significantly low TOC level ( $< 5 \text{ ppb}$ ) for preparation of analytical grade reagents

## ● $0.2 \mu\text{m}$ 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

## aquaMAX™ - Basic 360 Series System

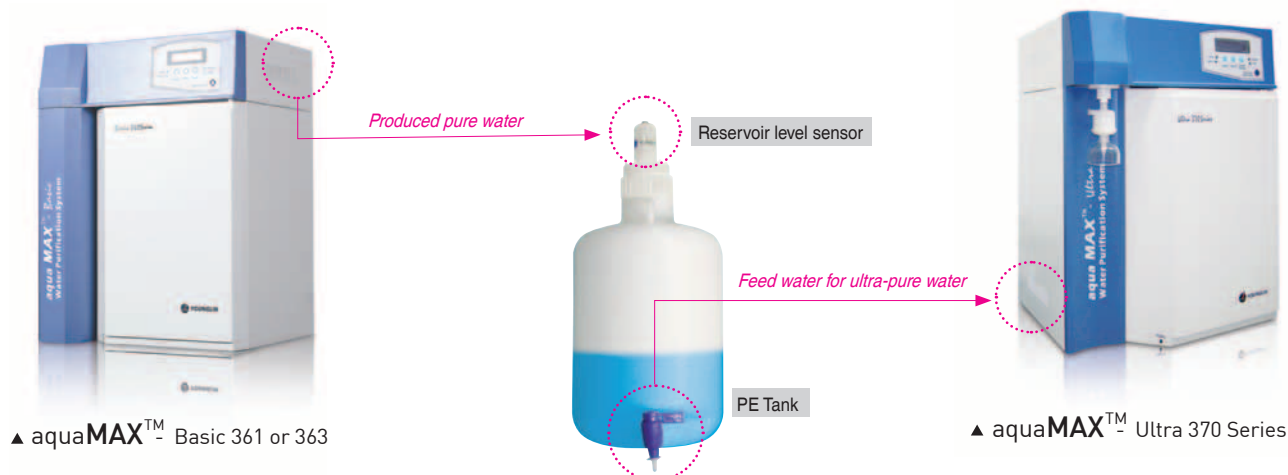
Model		aquaMAX™-Basic 360	aquaMAX™-Basic 361	aquaMAX™-Basic 362	aquaMAX™-Basic 363
Part No.		3601011000	3601011001	3601011002	3601011003
Water grade		Type III water/Standard	Type II water/Standard	Type III water/Extended capacity	Type II water/Extended capacity
Productivity		10 ℓ / H	10 ℓ / H	20 ℓ / H	20 ℓ / H
Water Quality		- Ion removal 95~99% - Particle removal 99% - Bacteria removal 99.99% - Pyrogen removal 99% - Organics removal 99%	1~15 MΩ · cm	- Ion removal 95~99% - Particle removal 99% - Bacteria removal 99.99% - Pyrogen removal 99% - Organics removal 99%	1~15 MΩ · cm
Filter Type	Pretreatment	✓	✓	✓	✓
	Reverse Osmosis	✓	✓	✓	✓
	Ion exchange		✓		✓
Feed water requirement		PH : 3~10, TDS : lower than 500ppm, Temp : 4~35℃, Pressure : 1~5Kg/cm², Turbidity : 1.0 NTU			
Environment Requirement		Temp : 5~40℃, 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

## aquaMAX™ - Ultra 370 Series System

Model	aquaMAX™-Ultra 370 (Standard)	aquaMAX™-Ultra 371 (UF Version)	aquaMAX™-Ultra 372 (UV Version)	aquaMAX™-Ultra 373 (UV/UF Version)
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℃)	18.2MΩ · cm	18.2MΩ · cm	18.2MΩ · cm	18.2MΩ · 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

◆ The specification is subject to change depending on the water quality of feedwater.

### ● Ultra-pure/Pure Water Purification System Package






*Water Purification System*



**YL INSTRUMENT CO., LTD.**

The iDEA makes iDEAL!  KOREA MADE

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