



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

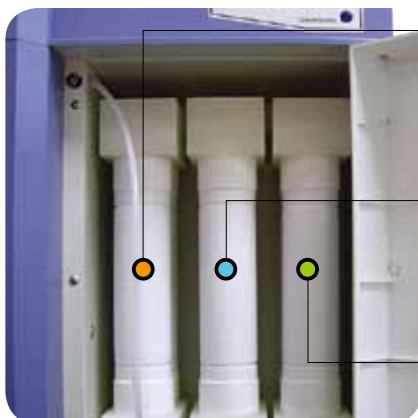
- One-touch clip type filters : Easy to replace filters by user
- Monitoring self test, filter replacement, Auto-rinsing and service check
- Separated modules for easy maintenance

● 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)

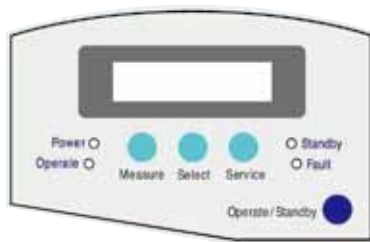
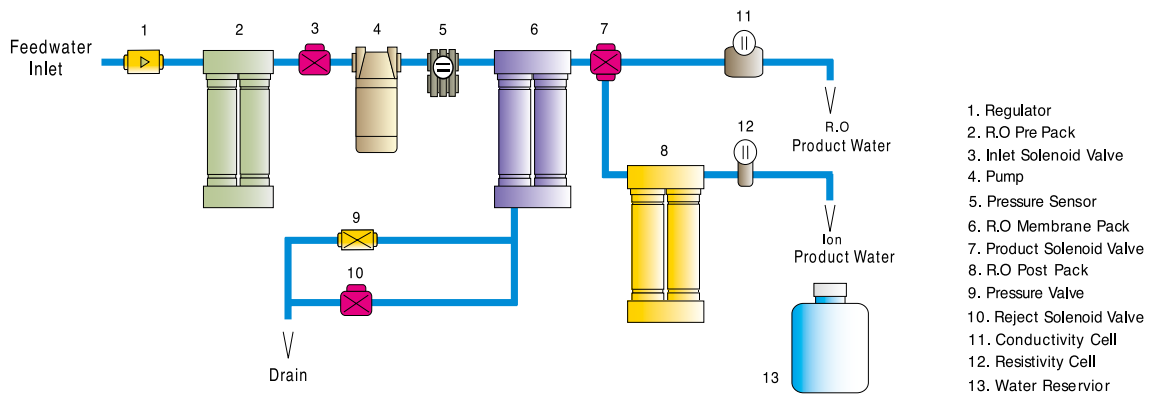
RO Pre Pack

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

RO Post Pack

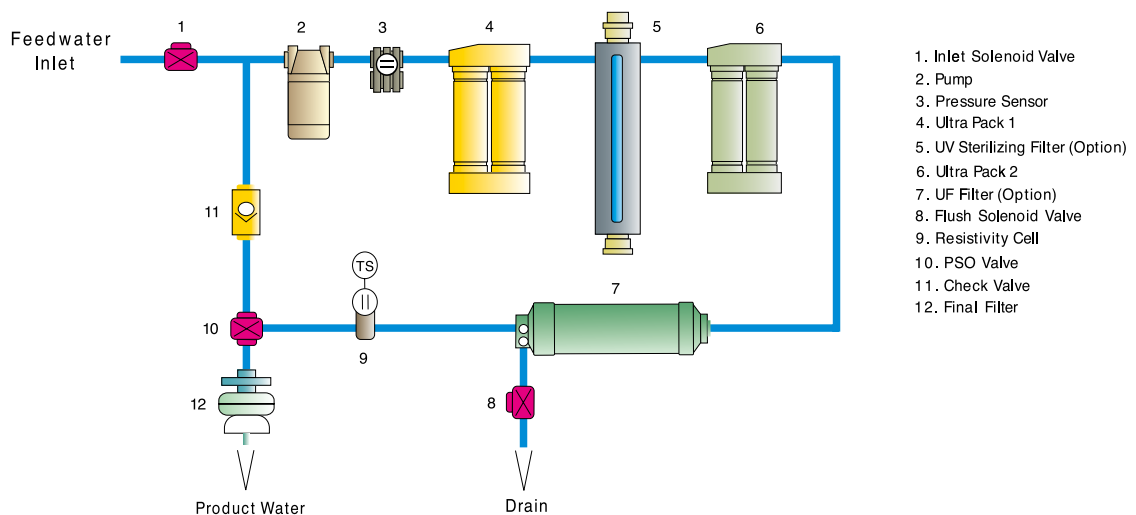
- It reduces anions and cations as well as the level of remaining organics

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 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

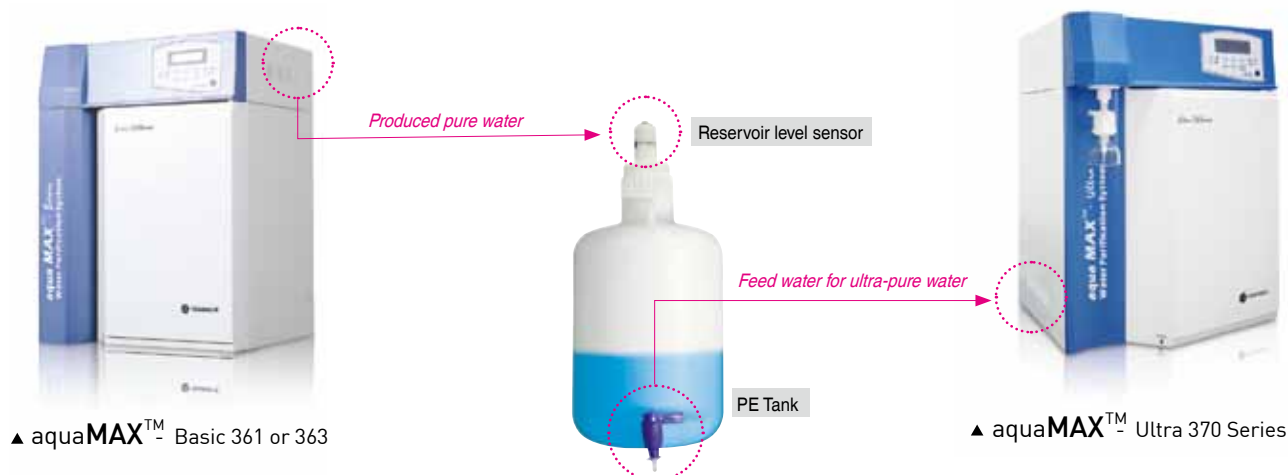
Model		aquaMAX™-Basic 360	aquaMAX™-Basic 361	aquaMAX™-Basic 362	aquaMAX™-Basic 363
Part No.		3601011000	3601011001	3601011002	3601011003
Water grade		Type III water/Standard	Type II water/Standard	Type III water/Extended capacity	Type II water/Extended capacity
Productivity		10 ℓ / H	10 ℓ / H	20 ℓ / 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/cm ² , 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





YL Products are endorsed by Korean PPS (Public procurement Service) in recognition of their excellent technologies and the product quality.



Water Purification System



YL INSTRUMENT CO., LTD.

The iDEA makes iDEAL!  KOREA MADE

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