



aquaMAX™ - Basic 360 Series

aquaMAX™ - Ultra 370 Series

>> Water Purification System



## Various improved functions for superior performance in your laboratory

### aquaMAX™ - Basic 360 Series

with Reverse Osmosis Technology



Convenient Operation

Easy Maintenance

Refined Design

Quiet Operation

Alarm for Filter Replacement

### Features of aquaMAX™ - Basic 360 Series

#### ● The highest water quality

- Easy to upgrade by adding R.O 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.



#### ① RO Membrane Pack

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

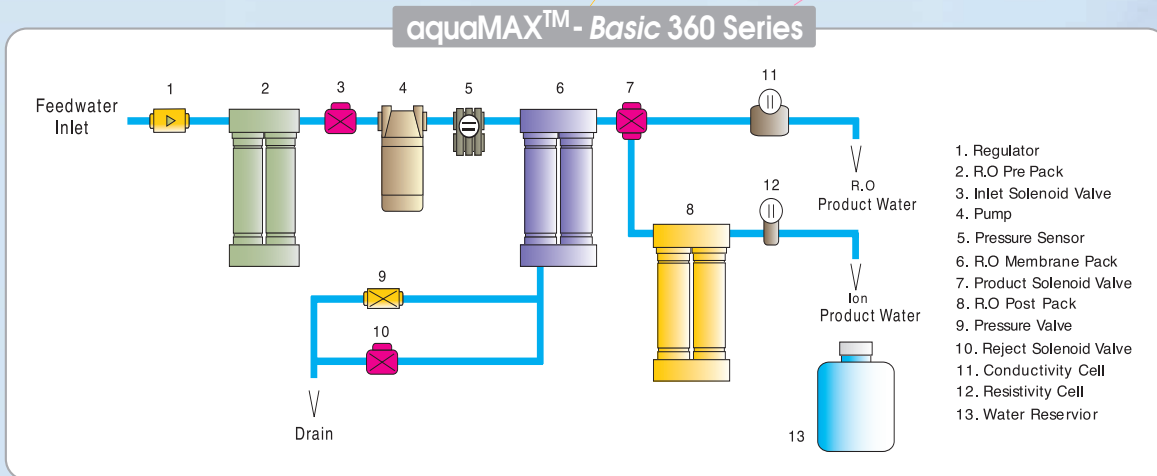
#### ② RO Pre Pack

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

#### ③ RO Post Pack

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

# aquaMAX™ - Basic Flow Diagram



**LED Lamp** Water quality and performance monitoring with alarm

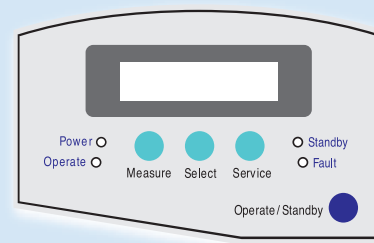
**Measure** Conductivity & Resistivity Monitoring

**Select** Run the selected operation

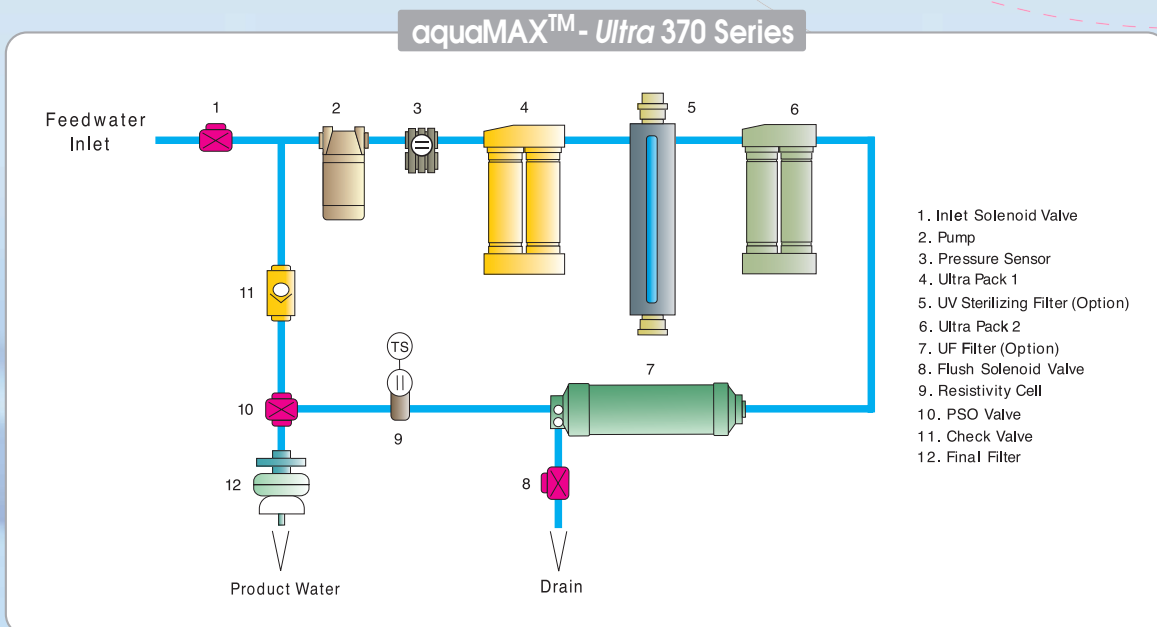
**Service** Service function run (filter replacement etc.,)

**Operate/Standby** Selection of Operate/Standby

**LCD Display** Display of text message and value



# aquaMAX™ - Ultra Flow Diagram



*The best choice for ideal water quality in your lab.*

## aquaMAX™ - Ultra 370 Series

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



### Features of aquaMAX™ - Ultra 370 Series

#### ● The highest water quality

- aquaMAX™ - Ultra produces Type I grade in electrical resistivity 18.2M $\Omega$ ·cm and TOC level to <10 ppb.
- The water quality aquaMAX™ - Ultra 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 at your fingertips

#### ● Ultra Pack

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

#### ● UF Filter

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

#### ● UV Filter

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

#### ● 0.2 $\mu$ m Final Filter

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



### Simple 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            |                 | 10L/H  | 10L/H  | 20L/H  | 20L/H  |
| Water Quality           |                 | <ul style="list-style-type: none"> <li>- Ion removal 95~99%</li> <li>- Particle removal 99%</li> <li>- Bacteria removal 99.99%</li> <li>- Pyrogen removal 99%</li> <li>- Organics removal 99%</li> </ul> | 1~15 M $\Omega$ ·cm  | <ul style="list-style-type: none"> <li>- Ion removal 95~99%</li> <li>- Particle removal 99%</li> <li>- Bacteria removal 99.99%</li> <li>- Pyrogen removal 99%</li> <li>- Organics removal 99%</li> </ul> | 1~15 M $\Omega$ ·cm  |
| Filter Type             | Pretreatment    | ✓  | ✓  | ✓  | ✓  |
|                         | Reverse Osmosis | ✓  | ✓  | ✓  | ✓  |
|                         | Ion exchange    |  | ✓  |  | ✓  |
| Feed water requirement  |                 | PH : 3~10, TDS : lower than 500ppm, Temp : 4~35°C, Pressure : 1~5Kg/cm <sup>2</sup> , Turbidity : 1.0 NTU  |  |  |  |
| Environment Requirement |                 | Temp : 5~40°C, Humidity : 20~80%   |  |  |  |
| Applications            |                 | <ul style="list-style-type: none"> <li>- Washing/Rinsing</li> <li>- Autoclaves</li> <li>- Steam Generators</li> </ul>  | <ul style="list-style-type: none"> <li>- Same as Basic 360</li> <li>- Buffer and Media Preparation, Electro-phoresis</li> <li>- Feed Water for Ultra-Pure Water</li> </ul> | <ul style="list-style-type: none"> <li>- Washing/Rinsing</li> <li>- Autoclaves</li> <li>- Steam Generators</li> </ul>  | <ul style="list-style-type: none"> <li>- Same as Basic 362</li> <li>- Buffer and Media Preparation, Electro-phoresis</li> <li>- Feed Water for Ultra-Pure Water</li> </ul> |

### 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  |
| Application          | 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°C) | 18.2M $\Omega$ ·cm  | 18.2M $\Omega$ ·cm  | 18.2M $\Omega$ ·cm   | 18.2M $\Omega$ ·cm  |
| TOC                  | 5~10 ppb  | 5~10 ppb  | 1~5 ppb  | 1~5 ppb   |
| Pyrogen              | -   | < 0.06 Eu/ml  | -  | < 0.06 Eu/ml  |
| Flow Rate(Max)       | 1.5L/min  | 1.5L/min  | 1.5L/min   | 1.5L/min  |

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

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



▶ aquaMAX™-Basic 361 or 363

Reservoir level sensor

Produced pure water



Feed water for ultra-pure water

PE Tank



▶ aquaMAX™-Ultra 370 Series



These products are manufactured in the Young Lin  
ISO 9001 - certified facility that is periodically  
audited by the registering body to ensure compliance

Date : March, 2007



**YOUNG LIN INSTRUMENT CO., LTD.**

Young Lin Bldg., 899-6 Hogye-dong, Anyang, 431-836, Korea  
TEL : +82-31-428-8700 FAX : +82-31-428-8779  
E-Mail : [younglin@younglin.com](mailto:younglin@younglin.com)  
Website : <http://www.younglin.com>