

# Water Purifying Device

**Cabinet-Type Purifying Device** Usage capacity up to 40 L/h-500 L/h

## PURELITE

PRO-0040/0100/0250/0500

### Usage

- Biochemical Analyzer
- Fade Meter
- Thermo-Hygostat
- Humidifier-Distillation
- Pharmaceuticals
- Manufacturing Water
- Various Cleaning
- Ultra-Pure Water Supply
- Analysis & Reagent Adjustment

### Features

- One Cabinet Compact Setting**  
Activated carbon to water purifying tank are stored in compact space. Attached wheels make it easy to move too.
- Lower Running Cost**  
As a result of its reverse osmosis (RO) membrane, Less usage Ion Exchange Resin
- Selection of goods. An abundant various of instrument such as environmental tester and biochemical. Analyzer with purifying pump ( which is option )**
- Visualized Control LCD Screen**

### Specification

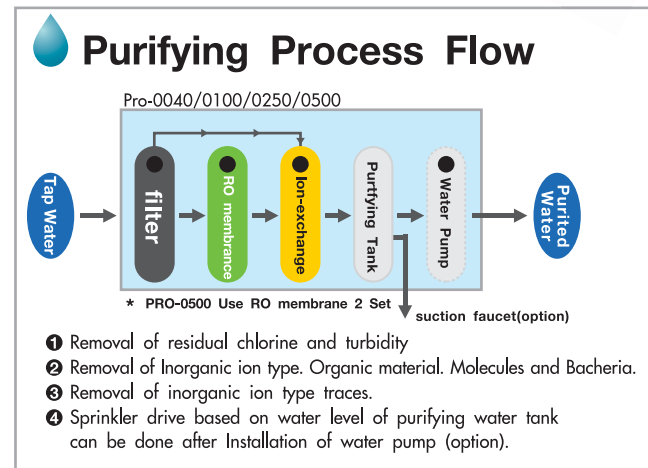
| Model                     | PRO-0040            | PRO-0100     | PRO-0250     | PRO-0500     |
|---------------------------|---------------------|--------------|--------------|--------------|
| Treated water supply(1)   | 40L/h(25°C)         | 100L/h(25°C) | 250L/h(25°C) | 500L/h(25°C) |
| Treated water quality(2)  | Less than 1µS/CM    |              |              |              |
| External Dimensions(mm)   | W350                | W400         | W500         | W700         |
|                           | D500                | D500         | D750         | D750         |
| Operating Mass            | H1,087              | H1,295       | H1,400       | H1,400       |
|                           | around 80kg         | around 130kg | around 230kg | around 280kg |
| Power Supply              | AC100V±10%(50/60Hz) |              |              |              |
| Maximum power Capacity(3) | 200VA               | 840VA        | 1,100VA      | 1,500VA      |
| Pure water tank capacity  | 20L                 |              | 100L         |              |

| Water Supply Conditions | Flow (50/60Hz)              | 200L/h       | 300/360L/h | 700/850L/h | 1,000/1,200L/h |
|-------------------------|-----------------------------|--------------|------------|------------|----------------|
|                         | Water Pressure              | 0.15~0.34MPa |            |            |                |
|                         | Water Temperature           | 10~30°C      |            |            |                |
|                         | Raw Water                   | Tap Water    |            |            |                |
| SDI                     | Under 4                     |              |            |            |                |
| Hardness                | 50mg/L CaCO <sub>3</sub> /L |              |            |            |                |
| Silica(4)               | 30mg/L CaCO <sub>3</sub> /L |              |            |            |                |

\*Varies depending temperature of supplied water and water quality. Able to change depending on quality of supplied water PRO-0250 and PRO-0500 have a high power capacity by connecting to a large outlet or power board is recommended in the event that water supply conditions do not apply to above, setting up of separate treatment device and pressure reducing valve (PRV) shall be necessary.

### Supplies

| Model                          | PRO-0040                           | PRO-0100 | PRO-0250 | PRO-0500 |
|--------------------------------|------------------------------------|----------|----------|----------|
| <b>Pump head</b>               |                                    |          |          |          |
| Product Code                   | 971078 <sup>replacement pump</sup> | 946314   | 946375   | 946321   |
| <b>Activated Carbon Filter</b> |                                    |          |          |          |
| Product Code                   | 151631                             | 151632   | 151633   |          |
| <b>RO Element</b>              |                                    |          |          |          |
| Product Code                   | 621652                             | 616347   | 616351   |          |



### Treated Water Quality

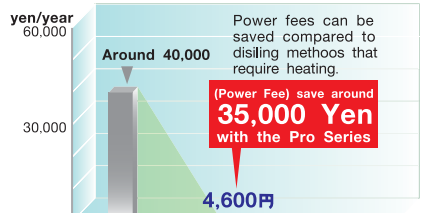
| Item                     | Unit                                | Treated Water | JIS A3 |
|--------------------------|-------------------------------------|---------------|--------|
| Power Conductivity       | µS/CM                               | <0.1          | ≤1     |
| Total Organic carbon:TOC | mgC/L                               | 0.07          | ≤0.2   |
| Zinc                     | µgZn/L                              | 0.04          | ≤0.1   |
| Silica                   | µgSiO <sub>2</sub> /L               | <2            | ≤0.1   |
| Chloride Ion             | µg Cl <sup>-</sup> /L               | <0.4          | ≤1     |
| Sulfate Ion              | µg SO <sub>4</sub> <sup>2-</sup> /L | <0.1          | ≤1     |

\*Treated water quality differs depending on raw water quality

### Decrease Power Consumption in an ecological way form Ion-Exchange resin and membranes.

■ Necessary Electricity charge to obtain 10cm of pure water daily 365 day a year is...

|                     |                      |               |
|---------------------|----------------------|---------------|
| General distiller   | Power Fee/(yen/year) | Around 40,000 |
| Purelite Pro Series |                      | Around 4,600  |



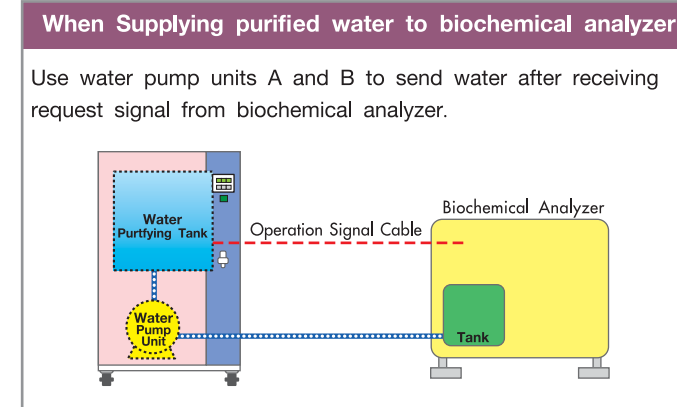
Approximately 1 ton of CO<sub>2</sub> can be reduced by pure water device

\*CO<sub>2</sub> amount based on Ministry of Environment and Ministry of Economy,Trade and Industry "Greenhouse Gas Emission Report Manual Ver 2.3 H20.5



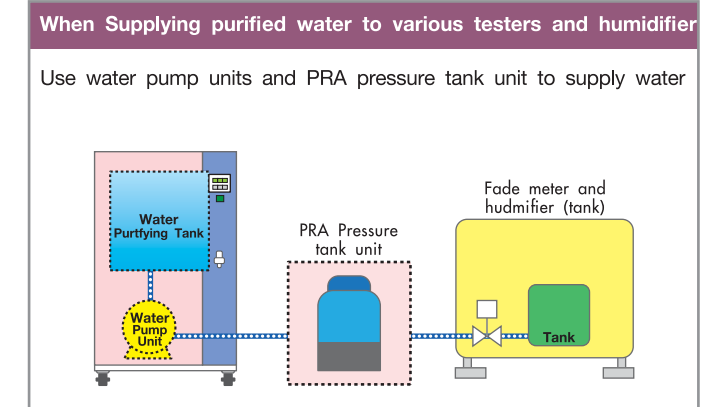
# ORGANO (THAILAND) CO.,LTD. WATER TREATMENT SYSTEM

## Usage and Combination Sample Water Purifying Device



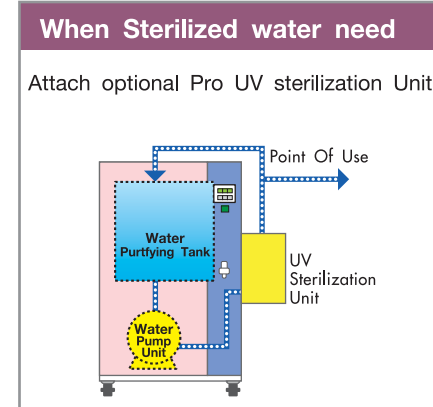
### Option Item

- Water Pump Unit
- Operation Signal Cable



### Option Item

- Water Pump Unit
- PRA Pressure Tank



### Option Item

- Water Pump Unit
- PRO UV Sterilization Unit

### Optional Item

| Item   | PRO-0040 | PRO-0100 | PRO-0250 | PRO-0500 |
|--|----------|----------|----------|----------|
| PRO Water Pump Unit A                        |          |          | ○        |          |
| PRO Water Pump Unit B                        |          |          | ○        |          |
| PRO Water Pump Unit C                        |          |          | ○        |          |
| PRO Water Pump Unit D                        |          |          | ○        |          |
| PRO Water Pump Unit E                        |          |          |          | ○        |
| PRO Water Pump Unit F                        |          |          | ○        |          |
| PURE LITE Non-Voltage Operation Signal Cable |          |          | ○        |          |
| Control Box TBX bundle alarm cable           |          | ○        |          | -        |
| PURELITE UV Sterilization Unit               |          |          | ○        |          |
| PRO 5 liter Tank Unit                        |          |          | ○        |          |
| PRO External Tank Water Level Switch         |          |          | ○        |          |
| PRO Noise filter                             |          |          | ○        |          |
| PRO Water Supply Solenoid Valve Set          |          |          | ○        |          |
| PRO Water Supply Tank Unit A                 |          |          |          | ○        |
| PRO Concentrated Water Retrieval Kit         |          |          | ○        |          |
| PRO Water Supply Tank Unit B                 |          |          | ○        |          |
| PRO Water Supply Tank Unit C                 |          |          | ○        |          |

### Capability Curves for Various Water Pumps

