

# Human Series

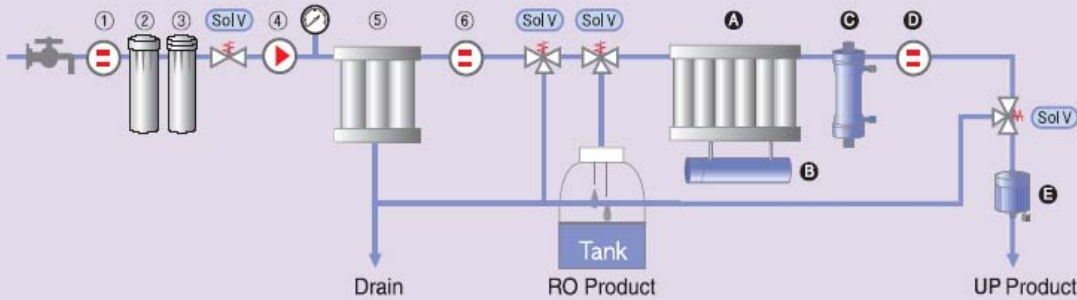
## New Human Power

### RO & UP System

Human is the global Standard in water system.



### Flow Schematic



<b>RO System</b>	① Feed water sensor ② Prefilter ③ A/C Filter ④ Pump ⑤ RO Pack ⑥ Conductivity sensor
<b>UP System</b>	A UP Pack B 254/185 UV Lamp C MW5000 UF Filter D Resistivity sensor E 0.2 µm Final filter

Selectable colors

## Advantages for Power System

New Human Power

- With combined in one system of RO(Reverse Osmosis) and UP (Ultra Pure), it can be produced the pure water and ultra pure water simultaneously at one compact system.
- Simply exchangeable the filter pack.
- Available to produce the world class of analytical grade water, such as ASTM type I , type II , type III from the tap water.

## Features

- Certified CE, ISO 9001
- Obtained GD, QD Mark (Good Design, Qualified Design)
- Awarded the Korean Excellent Products
- Awarded "Top 100 Excellent Patented Products"
- Auto calibration for water sensors
- Auto regular recycling every hour
- Standby function : Auto recycling lower than setting value.
- Programmable by 2 steps for the filter exchanges to maintain water quality.

## Applications

Refer to page . 19

## Specifications

	<i>New Human Power</i> ® I	<i>New Human Power</i> ® II	<i>New Human Power</i> ® III	
Product flow rate (RO.UP)	Max. 15L/Hr	Max. 25L/Hr	Max. 35L/Hr	
Water quality display	<ul style="list-style-type: none"> <li>• Feed water : 0 to 999 <math>\mu\text{S}/\text{cm}</math> (Optional)</li> <li>• Pure water : 0.0 to 250.0 <math>\mu\text{S}/\text{cm}</math></li> <li>• Ultra pure : 0.0 to 18.3 <math>\text{M}\Omega\text{-cm}</math></li> </ul>			
Controller	Microprocess one touch technology			
Display	16 $\times$ 2 characters backlight LCD digital display			
<b>Type</b>	<i>Scholar</i>	<i>Scholar-UV</i>	<i>Bio</i>	<i>Integrate</i>
Feature				
- 0.2 $\mu\text{m}$ Final filter	STD	STD	STD	STD
- 254/185 UV lamp		STD		STD
- MW 5000 UF filter			STD	STD
- PVDF $\frac{1}{4}$ Dispensing gun				STD
Included Filters & Accessories	<ul style="list-style-type: none"> <li>• Prefilter</li> <li>• Super A/C filter</li> <li>• Human RO Pack</li> <li>• Power UP Pack,</li> <li>• Level sensor</li> <li>• Manual,</li> <li>• Hand Lever</li> <li>• Power cord</li> </ul>			
Water Quality				
- TOC (ppb)	5 - 10	0 - 5	5 - 10	0 - 5
- Endotoxin (Eu/ ml)	NA	NA	< 0.001	< 0.001
- Bacteria (cfu/ ml)	< 1	< 1	< 1	< 1
- Particles (>0.22 $\mu\text{m}/\text{ml}$ )	< 1	< 1	< 1	< 1
Controller functions	<ol style="list-style-type: none"> <li>1. Self test : self -test for diagnosing operating conditions. (Internal/External)</li> <li>2. Auto cleaning functions ;               <ol style="list-style-type: none"> <li>① When it turns on : Auto extension cleaning</li> <li>② "Ready" display : Auto regular cleaning</li> <li>③ "Standby" display : Auto cleaning lower than setting value</li> </ol> </li> <li>3. Built-in auto sensor calibration</li> <li>4. Built-in auto reset function</li> <li>5. Filter exchange indicator (Programmable by 2 steps : 1st reminder &amp; 2nd exchange)               <ol style="list-style-type: none"> <li>① A/C filter</li> <li>② Human RO Pack</li> <li>③ Power UP Pack</li> <li>④ 254/185 UV Lamp</li> </ol> </li> </ol>			
Safety functions	<ol style="list-style-type: none"> <li>1. Low pressure of tap water : Auto/manual operating modes</li> <li>2. Automatic motor stop functions : ① Low pressure ② Tank full ③ Suspension of tap water supply</li> </ol>			
Optional accessories	<ul style="list-style-type: none"> <li>• PVDF <math>\frac{1}{4}</math> Dispensing gun</li> <li>• Pretreatment system</li> </ul>			
Dimensions (W $\times$ D $\times$ H)	400 $\times$ 567 $\times$ 500 mm			
Power	230 V, 50/60 Hz, 60W			