



**RWRO-800GPD**



**RWRO-1500~3000GPD**



**RWRO-4500~9000 GPD**

### RWRO-Type

- Combines high quality product water
- User-friendly controls durable construction
- Easy to installation

### Reverse Osmosis Machine Capacity

- RWRO-800G : Produce 125 liter per hour
- RWRO-1500G : Produce 250 liter per hour
- RWRO-3000G : Produce 500 liter per hour
- RWRO-4500G : Produce 750 liter per hour
- RWRO-6000G : Produce 1000 liter per hour
- RWRO-7500G : Produce 1250 liter per hour
- RWRO-9000G : Produce 1500 liter per hour

### Typical Applications:

- Safe drinking water
- Research and laboratory
- Pharmaceutical
- Boiler feed water
- Humidification system
- Rinse water
- Ion exchange pretreatment
- Commercial applications

### Standard Features:

- 5 micron Pre-filter
- Automatic inlet shut-off valve
- Pressure Adjustable valve
- High pressure pump
- Pressure gauge x 3
- Flow Meter x 2
- Auto-flush system
- Statue indicators
- Digital produce water monitor
- Mimic diagram with pilot lighs

### Operating Parameters

Operating Pressure.....12~15bar  
 Max. Recovery ..... 75%  
 Nominal Rejection ..... 95~98%  
 Design Temp. .... 25°C  
 Operating Temp. .... 20 to 40 °C  
 Minimum inlet pressure ... 2 bar ( 30 psi)

### Material of Construction

Frame ( Skid) .....Stainless  
 Membrane elements ..TFC Polyamide  
 Membrane housing....Stainless or FRP  
 Low pressure pipe.....SCH 80. PVC  
 High pressure pipe... Stainless  
 Pump ..... Stainless/ cast iron

# RWRO-TYPE

## Specification

RWRO-Type	800G	1500G	3000G	4500G	6000G	7500G	9000G
Permeate : L/hr	125	250	500	750	1000	1250	1500
Feed	167	333	667	1000	1333	1667	2000
Concentrate	42	83	167	250	333	417	500
Recovery ( Max.)	75%	75%	75%	75%	75%	75%	75%
Qty of membrane ( pcs)	4021 x 1	4040 x 1	4040 x 2	4040 x 3	4040 x 4	4040 x 5	4040 x 6
Connections : feed	3/8"	1/2"	3/4"	1"	1"	1"	1"
Connections : Perm.	3/8"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"
Connections : Conc.	3/8"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"
Volume : Depth ( cm)	35	70	70	70	70	90	90
Volume : Width ( cm)	75	70	70	80	80	80	80
Volume : Height ( cm)	110	170	170	170	170	170	170

There are more big capacity equipment, according to client request purpose to design and process .

### Feed water requirements:

The Reverse Osmosis machine require the following feed water conditions:

- Temperature : 20~ 40 °C
- PH : 5-10
- SDI : < 3
- TDS : < 1500ppm
- Metals-Fe, Mg : < 0.03
- Typical pretreatment to be considered shall be  
Multi-media filtration ( remove turbidity )  
Active carbon filtration ( remove organic matters, Chlorine )  
Softener or antiscalant dosing system ( remove hardness )

### Installation considerations

- The system should be installed on a firm, level surface
- A drain with suitable capability to handle the concentrate flow rate is required.
- Power source is required
- Min. feed water pressure 2 bar for proper system operation.

**For More Information: Contact us at :**

### **Beacons Equipment Sdb. Bhd.**

No.8, Jalan Utama 1/11, Taman Perindustrian Puchong Utama, 47100 Puchong, Selangor.

Tel: 03-8066 7127 Fax : 03-8066 3915 Mobile : 012-232 2052

Email: lawlh.beacons@gmail.com Website : www.beacons.net.my