



RWSRO – TYPE Reverse Osmosis Systems



RWRO-Type

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

Standard Features

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

Operating Parameters

- Operating Pressure..... 12~15bar
- Max. Recovery 75%
- Nominal Rejection 95~99%
- 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

RWSRO-TYPE

Specification

| | | | | | | | |
|------------------------|-----------------------|-----------------|------------------|------------------|------------------|------------------|----------------|
| RWRO-Type M3/ Hr | 2~5M ³ /Hr | 6~10 | 12~20 | 20~30 | 30~40 | 40~50 | 60~ up |
| Recovery (Max.) | 75% | 75% | 75% | 75% | 75% | 75% | 75% |
| Qty of membrane (pcs) | 8040 2~5pcs | 8040 6~10pcs | 8040 12~20pcs | 8040 20~30pcs | 8040 30~42pcs | 8040 42~54pcs | 8040 60~ up |

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
- **There is different design for various raw water analysis as clients request**
- 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 +886-4-7992169 or 886-927995143

 **REAL WATER TECH CO., LTD.**

No.48, Xingang Rd., Shengang Township, Changhua County 509, Taiwan
Tel: 886-4-7992169 fax: 886-4-7992185
Email: rwtr.water@msa.hinet.net info@rwtr.com <http://www.rwtr.com>



RW-RO-TYPE Reverse Osmosis Systems



RWRO-800GPD



RWRO-1500~3000GPD



RWRO-4500~9000 GPD

RWRO-Type

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

Typical Applications

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

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

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
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RW-RO-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 |

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REAL WATER TECH CO., LTD.

Pretreatment system Tank material by FRP or carbon steel with anti-rust painting



Multi-Media Filtration (automatic)



Multi-Media Filtration (Manual)



Whole pretreatment system (top open)



Whole pretreatment system (top& bottom)

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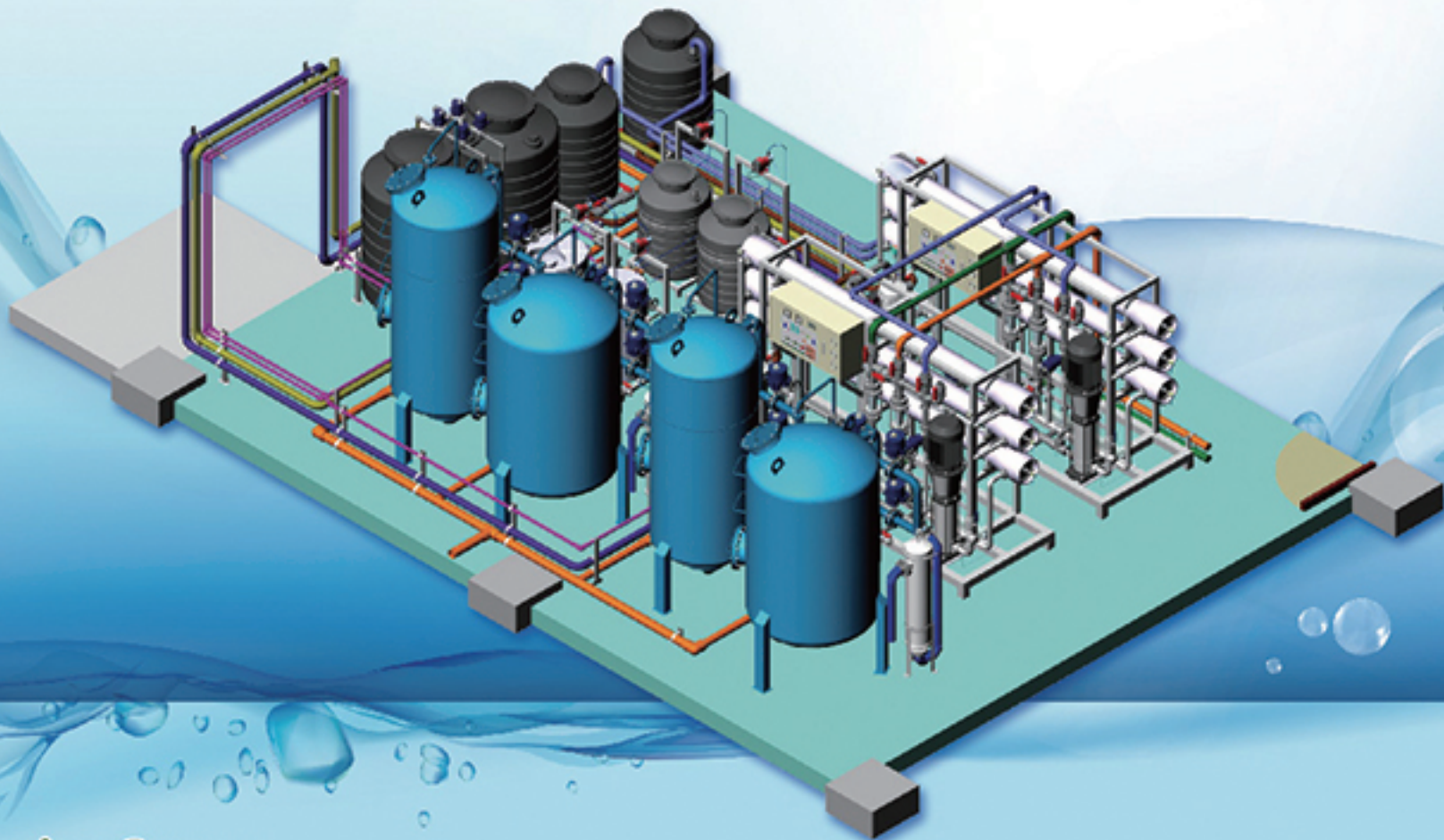
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REAL WATER TECH CO., LTD.

Professional manufacturer of water treatment equipment



Service Scope

- Design : according to different client request purpose to design the process.
- Assemble: follow design to assemble equipment.
- Installation : according to client location to install machine
- Maintain : follow equipment list record. Maintain regularly

Product list

- Pump –horizontal type pump , Vertical type pump
- Dose system - dose pump with dose liquid tank
- Oxide tower – material – PE or stainless (depend on flow rate)
- Multi-sand filtration- tank material – FRP or carbon steel with anti-rust painting. or stainless (regeneration by manual or automatic)
- Active carbon filtration- tank material – FRP or carbon steel with anti-rust painting. or stainless (regeneration by manual or automatic)
- Softener filtration- tank material – FRP or carbon steel with anti-rust painting and rubber cover inside. or stainless (regeneration by manual or automatic)
- Reverse Osmosis system – one pass or two pass
- UF system,MBR.
- UV sterilize system & Ozone generator
- Exact filtration – filter – 0.2 micron
- Polisher filtration – Filter Media: uniform particle size mixed bed ion exchange resin.
- EDI system – Electrodeionization.
- Bottling water plant



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REAL WATER TECH CO., LTD.

Accessories of water treatment (RO) equipment

Stainless housing of cartridge filter



Low pressure

large flow

stainless housing of filter bag

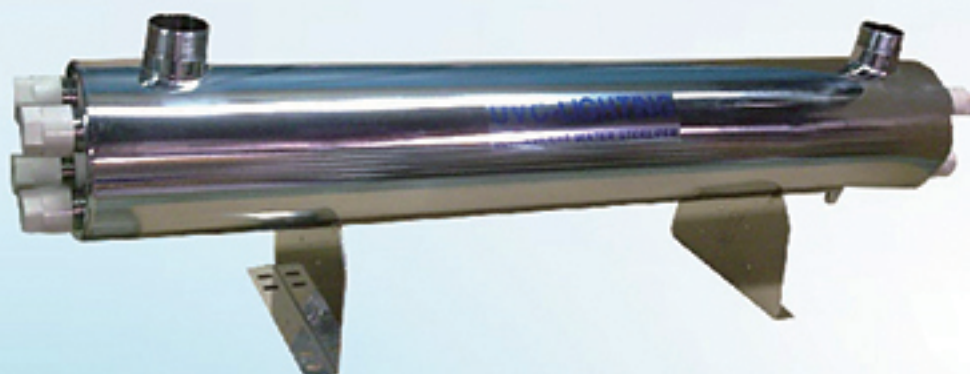


multi - filter bag



Control valve

UV sterilize system 1 GPM ~ 50 GPM



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Typical Application

- **SAFE DRINKING WATER**
Water station, food process, restaurant
- **RESEARCH AND LABORATORY**
School , laboratory..
- **PHARMACEUTICAL**
Cosmetics , hospital , pharmaceutical industry
- **BOILER FEED**
Cooling tower, air-condition , car wash ...
- **HUMIDIFICATION SYSTEM**
Green house ...
- **COMMERCIAL & INDUSTRY APPLICATIONS**
textile industry. Semi-conductivity industry . dyeing ,electroplate



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