



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
- Mimic diagram with pilot lights

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

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

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 +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: rwtro@water@msa.hinet.net info@rwtro.com <http://www.rwtro.com>



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)

For More Information: Contact us at +886-4-7992169 or 886-927995143

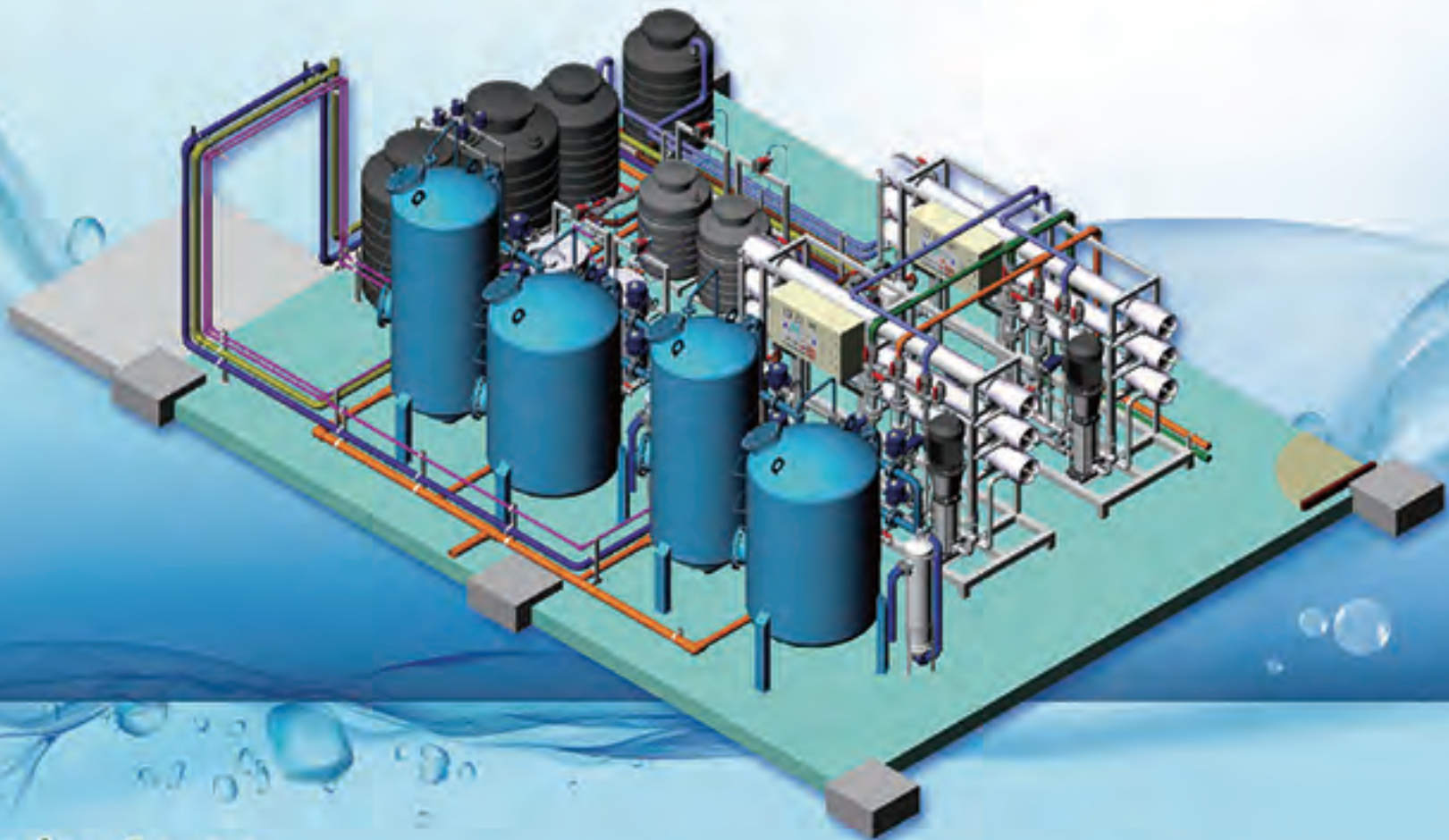


REAL WATER TECH CO., LTD.

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>



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



REAL WATER TECH CO., LTD.



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



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>



REAL WATER TECH CO., LTD.

Professional manufacturer of water treatment equipment



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



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>