

## Water Tech - Reverse Osmosis R24 Series

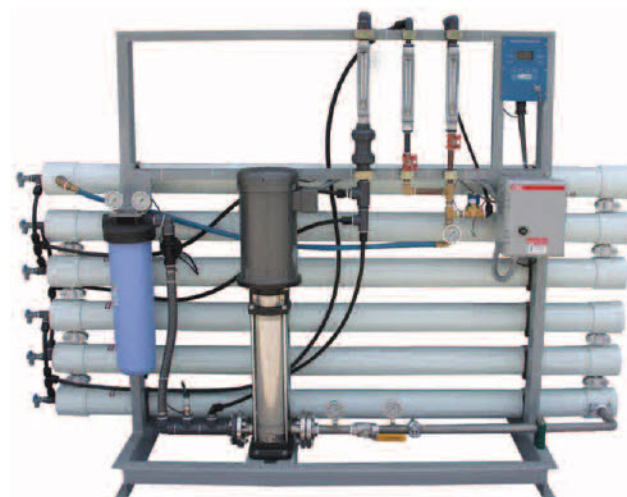
Three models and two design options  
for flow rates up to 15 GPM.

### Standard features (package #1)

- Powder coated steel frame
- FRP multi-port pressure vessels
- Pre-filter housing and cartridge (20" B-B)
- Vertical multi-stage centrifugal pump
- Automatic inlet valve
- Low-pressure shut-off with auto restart
- Tank level input
- Pretreatment interlock input
- Adjustable recycle line
- Pre-filter pressure gauges
- Pump discharge pressure gauge
- Membrane feed pressure gauge
- Reject pressure gauge
- Flow meter for product water
- Flow meter for reject water
- Flow meter for recycle water
- Check valve for product water
- Sample valves for product water
- On / off switch

### Additional features included with package #2

- CI-1000 electronic controller with product water conductivity meter and alarm output
- Programmable concentrate auto flush



R24 System

### Specifications

Feed water connection	1" FNPT
Product water connection	1" FNPT
Reject water connection	3/4" FNPT
Feed water pressure requirement (min.)	10 PSIG
Drain requirement (maximum)	17, 21, 25 GPM
Electrical requirement	230VAC/60hz
Phase	3
Amps	20

**Note:** Other voltages available, please contact us for details.

### Models

MODEL NO.	PACKAGE	GALLONS PER MINUTE	PUMP (H.P.)	RECOVERY (ADJ.)	MEMBRANE SIZE	MEMBRANE ARRAY	FEED WATER REQUIRED* (GPM)	TYPICAL REJECTION	DIMENSIONS	SHIP WT. (LBS.)
R24-08-1111000	1	10	7.5/TEFC	60%-75%	4" x 40"	2:1:1	17	98%	96"x24"x72"	800
R24-08-1131100	2	10	7.5/TEFC	60%-75%	4" x 40"	2:1:1	17	98%	96"x24"x72"	800
R24-10-1111000	1	12.5	7.5/TEFC	60%-75%	4" x 40"	2:2:1	21	98%	96"x24"x72"	900
R24-10-1131100	2	12.5	7.5/TEFC	60%-75%	4" x 40"	2:2:1	21	98%	96"x24"x72"	900
R24-12-1111000	1	15	7.5/TEFC	60%-75%	4" x 40"	3:2:1	25	98%	96"x24"x72"	1000
R24-12-1131100	2	15	7.5/TEFC	60%-75%	4" x 40"	3:2:1	25	98%	96"x24"x72"	1000

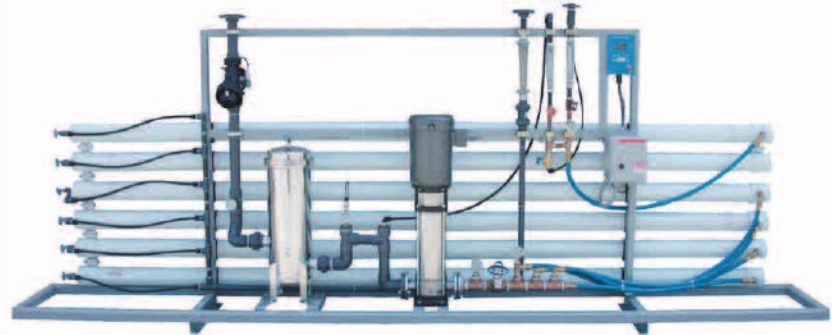
**Notes:** Performance specifications are based on 77°F feed water, 3 SDI or less, TDS below 1000 and pH of 8. Please see water temperature conversion charts to determine actual production rate for each installation. Chlorine reduction and other pretreatment may be required. Membrane rejection rates are based on membrane manufacturer's specifications. Pre-filter is 20" Full-Flow plastic housing and Watts WPC5FF20 synthetic pleated cartridge. Systems are designed for use with municipal and well water

# Water Tech - Reverse Osmosis R44 Series

Three models and two design options for flow rates up to 30 GPM.

## Standard features (package #1)

- Powder coated steel frame
- FRP multi-port pressure vessels
- Stainless steel pre-filter and cartridges
- Vertical multi-stage centrifugal pump
- Automatic inlet valve
- Low-pressure shut-off with auto restart
- Tank level input
- Pretreatment interlock input
- Adjustable recycle line
- Pre-filter pressure gauges
- Pump discharge pressure gauge
- Membrane feed pressure gauge
- Reject pressure gauge
- Flow meter for product water
- Flow meter for reject water
- Flow meter for recycle water
- Check valve for product water
- Sample valves for product water
- On / off switch



R44 System

## Additional features included with package #2

- CI-1000 electronic controller with product water conductivity meter and alarm output
- Programmable concentrate auto flush

## Specifications

Feed water connection	2" Flange
Product water connection	1.5" Flange
Reject water connection	1" Flange
Feed water pressure requirement (min.)	10 PSIG
Drain requirement (maximum)	31, 39, 46 GPM
Electrical requirement	230VAC/60hz
Phase	3
Amps	30

**Note:** Other voltages available, please contact us for details.

MODEL NO.	PACKAGE	GALLONS PER MINUTE	PUMP (H.P.)	RECOVERY (ADJ.)	MEMBRANE SIZE	MEMBRANE ARRAY	FEED WATER REQUIRED* (GPM)	TYPICAL REJECTION	DIMENSIONS	SHIP WT. (LBS.)
R44-16-1111000	1	20	10/TEFC	65%-75%	4" x 40"	2:2	31	98%	192"x26"x72"	1400
R44-16-1131100	2	20	10/TEFC	65%-75%	4" x 40"	2:2	31	98%	192"x26"x72"	1400
R44-20-1111000	1	25	10/TEFC	65%-75%	4" x 40"	3:2	39	98%	192"x26"x72"	1600
R44-20-1131100	2	25	10/TEFC	65%-75%	4" x 40"	3:2	39	98%	192"x26"x72"	1600
R44-24-1111000	1	30	10/TEFC	65%-75%	4" x 40"	4:2	46	98%	192"x26"x72"	1800
R44-24-1131100	2	30	10/TEFC	65%-75%	4" x 40"	4:2	46	98%	192"x26"x72"	1 800

**Notes:** Performance specifications are based on 77°F feed water, 3 SDI or less, TDS below 1000 and pH of 8. Please see water temperature conversion charts to determine actual production rate for each installation. Chlorine reduction and other pretreatment may be required. Membrane rejection rates are based on membrane manufacturer's specifications. Pre-filter is Flow-Max® FM4X3 filter housing, constructed using 316 stainless steel and 2" MNPT pipe fittings and Watts WPC5-2925 synthetic pleated cartridges. Systems are designed for use with municipal and well water.



# Water Tech - Reverse Osmosis R48 Series

Four models for flow rates up to 100 GPM.

## Standard features

- Powder coated steel frame
- FRP multi-port pressure vessels
- Stainless steel pre-filter and cartridges
- Vertical multi-stage centrifugal pump
- Automatic inlet valve
- Low-pressure shut-off with auto restart
- Tank level input
- Pretreatment interlock input
- Adjustable recycle line
- Pre-filter pressure gauges
- Pump discharge pressure gauge
- Membrane feed pressure gauge
- Reject pressure gauge
- Flow meter for product water
- Flow meter for reject water
- Flow meter for recycle water
- Check valve for product water
- Sample valves for product water
- On / off switch



R48 System

## Additional features included

- CI-2000 electronic controller with feed and product water conductivity meter with percent rejection
- Programmable concentrate auto flush

**Note:** Standard electrical requirement is 460 volts 3-phase 60 hz. Other voltages available, please contact us for details.

MODEL NO.	GALLONS PER MINUTE	FEED WATER CONNECTION	PUMP (H.P.)	RECOVERY (ADJ.)	MEMBRANE SIZE	MEMBRANE ARRAY	FEED WATER REQUIRED* (GPM)	TYPICAL REJECTION	DIMENSIONS	SHIP WT. (LBS.)
R48-08-3131100	40	2" Flange	15/TEFC	65%-75%	8" x 40"	1:1	62	98%	198"x42"x72"	2500
R48-12-3131100	60	2.5" Flange	20/TEFC	65%-75%	8" x 40"	2:1	93	98%	198"x42"x72"	2800
R48-16-3131100	80	3" Flange	25/TEFC	65%-75%	8" x 40"	2:2	123	98%	198"x42"x72"	3200
R48-20-3131100	100	3" Flange	30/TEFC	65%-75%	8" x 40"	3:2	154	98%	198"x42"x72"	3500
R48-24-3131100	120	3" Flange	30/TEFC	65%-75%	8" x 40"	3:2:1	185	98%	198"x42"x80"	3800

Notes: Performance specifications are based on 77°F feed water, 3 SDI or less, TDS below 1000 and pH of 8. Please see water temperature conversion charts to determine actual production rate for each installation. Chlorine reduction and other pretreatment may be required. Membrane rejection rates are based on membrane manufacturer's specifications. Pre-filter is Flow-Max® FM7x4 filter housing, constructed using 316 stainless steel and 2" MNPT pipe fittings and Flow-Max(R) FM-5-40 synthetic pleated cartridges. Systems are designed for use with municipal and well water.