

# Installation, Operation and Maintenance Manual for Model ZRO-4

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## **Warning**

Please read carefully before proceeding with installation. Your failure to follow any attached instructions or operating parameters may lead to the product's failure and possible damage to property.



System Tested and certified by NSF International Against ANSI/NSF Standard 58 for the reduction of claims specified on performance data sheet.



Refer to enclosed warranty for operating parameters to ensure proper use with your water supply.

### **CALIFORNIA PROPOSITION 65 WARNING**

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)

**For more information:** [www.wattsind.com/prop65](http://www.wattsind.com/prop65)

Watts Pure Water, Inc.  
1725 W. Williams Dr. #C-20  
Phoenix, AZ 85027  
Phone: 888-774-7405  
Fax: 602-588-0356  
[www.wattspurewater.com](http://www.wattspurewater.com)

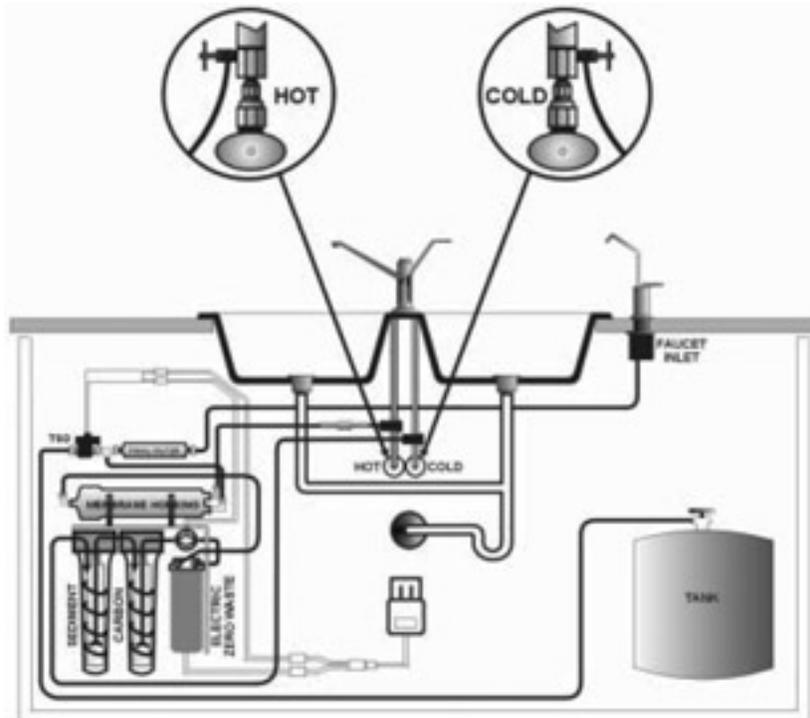
**WATTS®**  
PURE WATER

**Thank You!**

Thank you for your purchase of a Watts Reverse Osmosis system. With proper installation and maintenance, this system will provide you with high quality water for years to come. All of Watts water enhancement products are rigorously tested by independent laboratories for safety and reliability. If you have any questions or concerns, please contact our customer service department at 1-888-744-7405 (outside USA 623-505-1512).

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# Operational Parameters

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**Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.**

## Operating Temperatures

Maximum 100°F (37.8°C)

Minimum 40°F (4.4°C)

## Total Dissolved Solids

TDS < 1000 ppm

## Iron

Iron in incoming water: Maximum 0.2 ppm

## Hardness

**Not to exceed 7 grains per gallon or 120 ppm.**

**Note:** System will operate over 7 grains but membrane life may be shortened.

Addition of a water softener may lengthen membrane life.

## Operating Pressure

Maximum 100psi (7.43 g/cm<sup>2</sup>)

Minimum 40psi (2.80 kg/cm<sup>2</sup>)

If water pressure is over 80psi, Watts Pure Water recommends the installation of a pressure regulator.

## pH Parameters

Maximum 11

Minimum 3

## Turbidity

Turbidity < 5NTU

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## ZRO-4 System



### **System includes:**

RO module, 24 volt Pump, 3 gal Storage tank,  
Long reach faucet, Manual, Warranty Card, Parts  
Bags, (2 Water line fitting valves, 2 Washers, Transformer,  
2 Mounting screws, 1 Teflon® tape roll, 2 Brass inserts,  
2 Plastic sleeves, 1 Ball valve, one 1/4" Connector)

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## Tools Recommended for Installation



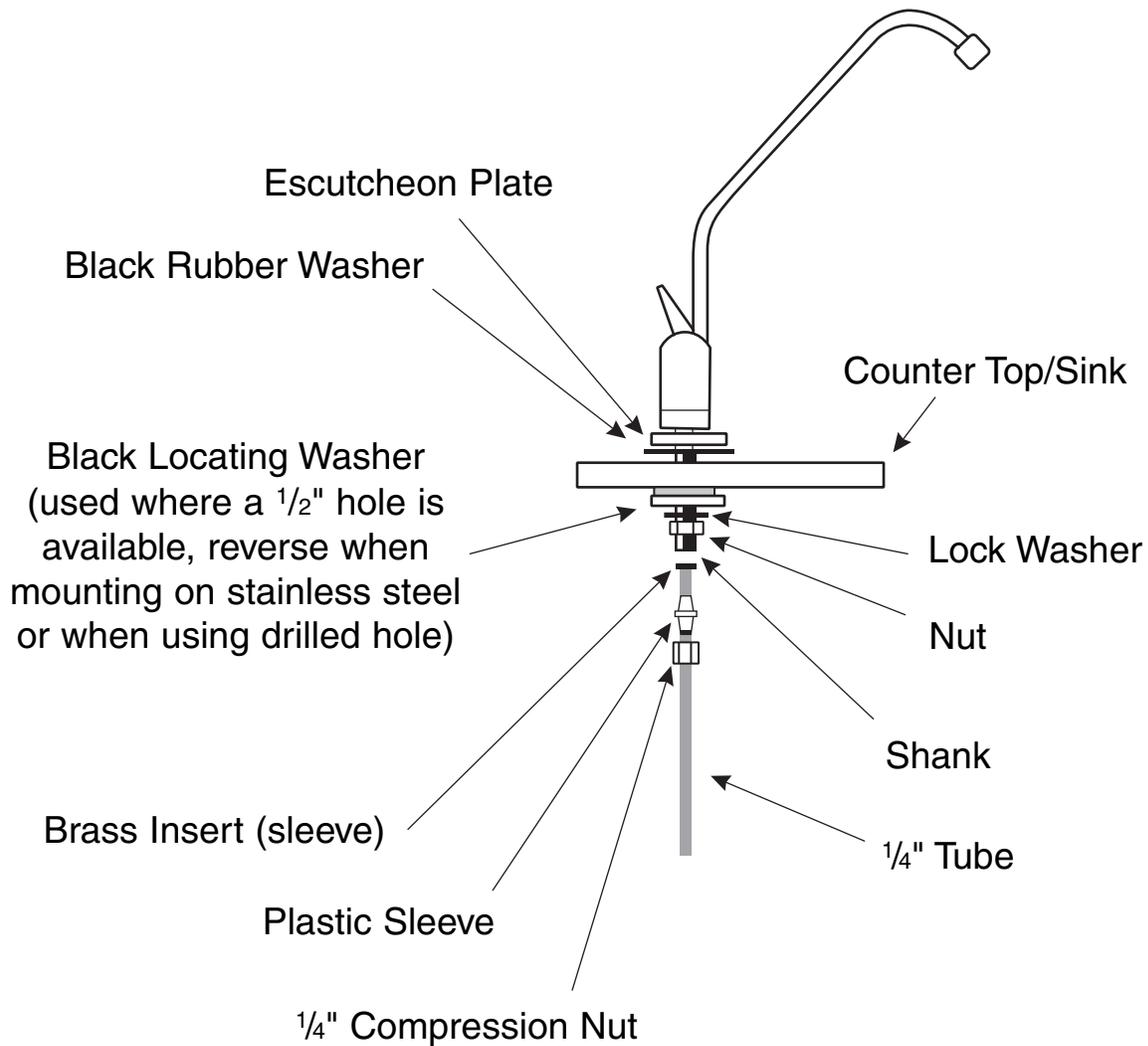
7/16" Drill bit for faucet  
Channel lock pliers  
Phillips Screw Driver  
1/2" - 5/8" Open End Wrench  
Adjustable Wrench  
Sharp knife, Electric Drill

***If any of the items are missing please contact Watts at 1-888-774-7405 prior to installing***

# Installation of Faucet

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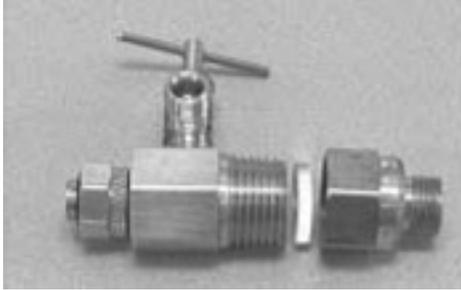
**Caution: Porcelain sink surface material is extremely hard and may crack or chip. Use extreme caution when drilling. Watts accepts no responsibility for damage resulting from the installation of the faucet.**



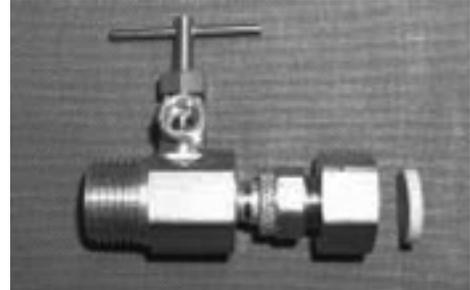
- Step 1** Determine desired location to drill a hole for the faucet on your sink.
- Step 2** Using a variable speed drill on the slowest speed, drill a  $\frac{7}{16}$ " hole for the faucet. Use water to keep the drill bit cool while drilling. (If the drill bit gets hot it may cause the porcelain to crack or chip).
- Step 3** Place the escutcheon chrome plate and the black rubber washer on the faucet shank. (Parts found in faucet parts bag).
- Step 5** From the underside of the sink slide on the locating washer, lock washer and brass nut onto the shank. Check orientation of faucet then tighten brass nut securely.

# Installation of hot and cold water supply line valves

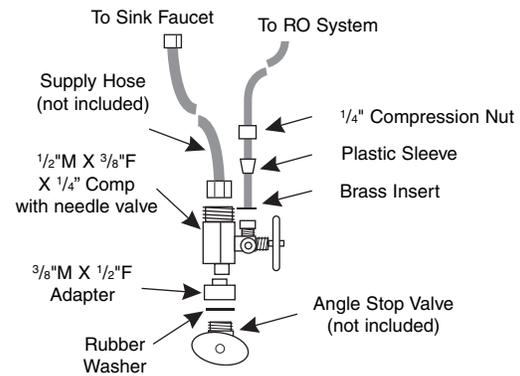
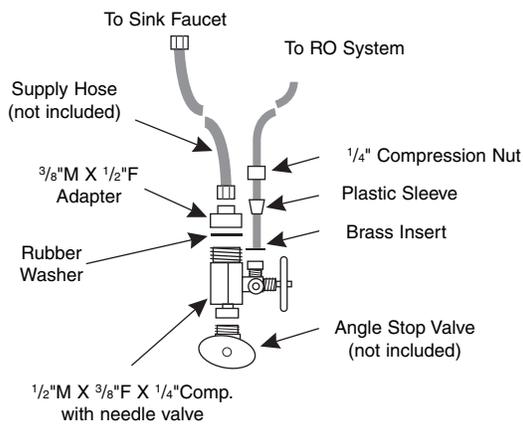
**For 3/8" plumbing**



**For 1/2" plumbing**



**Hand tighten brass nuts then apply 1/4 turn with a wrench.**



***RO Tubes will be connected on page 6.***

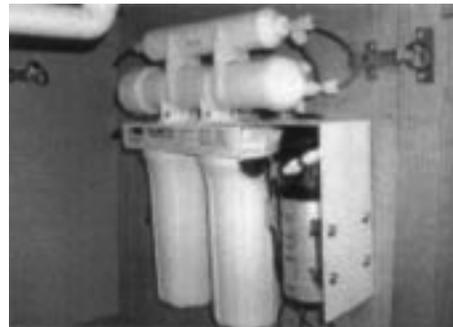
- Step 6** Turn off the hot and cold water supply to the faucet by turning the angle stop valves off.
- Step 7** Remove water supply line at faucet to the angle stop valves.
- Step 8** Attach the water supply line valves as illustrated in the drawings above.
- Step 9** Re-attach the water supply line to the fittings attached to the angle stop valves.

## Mounting the RO module

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**Step 10** Determine the best location for the RO Module to be mounted and allow for future system maintenance. Use a Phillips screwdriver and secure the screws 5 3/4" apart and 16" from the bottom of the cabinet.

**Note:** There will be (2) Blue, (1) Green and (1) Black coming from the module. Do not cut these tubes at this time.



## Connecting to the faucet

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### Step 11

Connect blue tube from in-line filter to faucet shank. Place the brass nut onto the tube, followed by the plastic sleeve (tapered end pointing to the end of tube) and then place the brass insert into the end of the tube.



### Step 12

Insert the blue tube into the end of the faucet shank and use a wrench to tighten the brass nut securely.



## Connecting hot and cold water supply lines

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**Step 13** Insert the Green tube into the Cold water needle valve fitting 1/4" tube compression fitting until it stops. Slide the Nut and Plastic Sleeve down to where you can thread them onto the male pipe threads. Use a 1/2" wrench to securely tighten.

**Step 14** Insert the Black tube into the Hot water needle valve fitting 1/4" tube compression fitting until it stops. Slide the Nut and the Plastic Sleeve down to where you can thread them onto the male pipe threads. Use a 1/2" wrench to securely tighten.



# Installation of Storage Tank

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## Step 15

Apply Teflon® tape in a clockwise direction around the male pipe threads on the tank.



## Step 16

Thread the ball valve (supplied in the parts bag) onto the stainless steel connector on the tank.

**Note:** Do not over tighten plastics connections.



**Step 17** Thread 1/4" plastic connector fitting (supplied in the parts bag) into the ball valve attached to the tank.

# Connecting the Tank

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**Step 18** Position the tank in the desired location. Stand it upright or using black plastic stand lay it on it's side. Connect remaining blue tube from the RO module to the tank ball valve connector.



**Step 19** Push blue tube into the connector on the end of ball valve until it stops. Use a wrench to securely tighten the nut on the connector.



# Start up Instructions

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## **Warning**

**To prevent the possibility of electrical shock, clean up any water on cabinet floor and dry all water from outside of RO unit.**

**Step 1** Turn on the incoming hot and cold water angle stop valves. Turn on the water line needle valves by turning counter clockwise. Check the system for leaks and tighten fittings as necessary.

**Note:** Check daily over the next week to ensure no leaks are present.



**Step 2** Plug the (24 volt) transformer power cord connector into the RO system wire harness connector (labeled transformer.)

**Step 3** Plug the transformer into the electrical outlet under the sink.

**Step 4** Ensure ball valve on tank is open.

**Step 5** Open the RO faucet and leave it open until water begins to drip. Then close the faucet. The tank will take 2 to 4 hours to fill completely.

**Note:** Water may be cloudy or milky due to air and carbon particles in the system. This conditions will resolve itself after a couple of tanks of water.

**Step 6** After the tank has filled once, open the RO faucet and drain the tank.

**Step 7** Close RO faucet and allow the tank to fill, (2-4 hours). System is now ready to use.

**Note:** This system may be connected up to an ice maker. Connect a tee between the final filter and faucet. It is recommended to install a ball valve on the ice maker line.

## Semi-annual maintenance

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**Step 1** Turn off the water supply line needle valves.

**Step 2** Close the ball valve on the tank.

**Step 3** Open the RO faucet to allow the system to depressurize for 20-30 seconds before attempting to remove housings.

**Step 4** Unplug transformer from electrical outlet.

**Step 5** Carefully remove the filter housings and pour water out of the housings. Dispose of the used filters.

**Step 6** Wash housings with mild soap and rinse thoroughly with water.

## Semi-annual maintenance continued

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- Step 7** Inspect O-rings for wear and replace them if needed (order part no. WP113029 from Watts.) Lubricate O-rings with a water soluble lubricant such as KY Jelly®, (petroleum based lubricants such as Vaseline® must not be used.) Be sure to properly seat the O-ring in the housing before threading the housings onto the lid assembly.

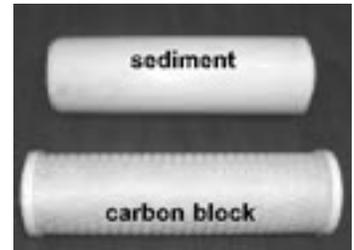
**Note:** Keeping the RO module in an upright position while re-attaching the housings will help ensure the O-ring stays properly seated and reduces the possibility of leaks.



- Step 8** The sediment filter has a cloth like appearance. It must be laced in the 1st housing on the left where the water inlet connects.

- Step 9** The carbon block filter has a mesh covering and has a gasket on each end. Replace the filter in the 2nd housing with the carbon block filter.

- Step 10** Visually inspect O-ring to be sure they are properly seated before threading the housing onto the lid assembly and hand tighten securely.



## Annual maintenance

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- Step 1** Perform Semi-annual Preventive Maintenance Steps on page 8.  
**Note:** For the annual maintenance drain the tank.
- Step 2** Replace the final filter by removing the white nuts from both ends of the filter. Remove the connectors from both ends (keep and reuse). Discard the old final filter and replace with new filter reusing the connectors  
**Note:** Flow arrow on final filter must be pointing in the direction of water flow to the faucet.
- Step 3** The tank shut off switch has quick-disconnect connectors. Remove the blue tube from the tank side of the tank shut-off switch. Depress the gray ring with the tip of your finger and pull the tube straight out.
- Step 4** Use a clean eye dropper to insert a teaspoon of 3% hydrogen peroxide or common household bleach into the blue tube. (This will flow into the tank once water is turned back on to unit.)
- Step 5** To reconnect insert tube into the connector and push firmly.
- Step 6** Follow Start Up procedure on page 8



# Membrane Maintenance

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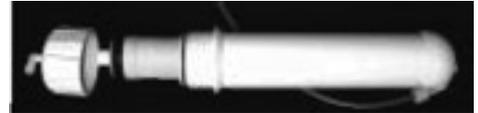
**Membranes have a life expectancy of between 2 and 5 years, depending on the incoming water conditions and the amount of use of the RO system.**

If at any time you notice a reduction in water production or a change in the taste of the RO water, it could be time to replace the membrane. A sample of water may be sent to Watts for a free test or a monitor can be purchased from Watts to test RO water.

To send a water sample include cup of tap water and cup of RO water in water tight clean containers. Clearly mark each container. Watts will test the water for TDS rejection and hardness and contact you with the results.

**Step 1** To change the membrane, use a  $\frac{5}{8}$ " wrench to remove the nut from the cap side of the membrane housing (the end with only one elbow). Remove the cap from the white horizontal membrane housing.

**Note:** To assist with the removal of cap a double sided wrench (part no. WP 164002) can be purchased from Watts.



**Step 2** Using a pair of pliers, grip and pull firmly on the membrane filter to remove it from the housing and discard the membrane.



**Step 3** Unwrap new membrane filter and lubricate the O-rings with water soluble lubrication such as KY Jelly®. Insert the end with the two black O-rings into the membrane housing



**Step 4** Once membrane filter has been inserted into the housing you must take your thumbs and give a firm push to properly seat the membrane. Replace membrane housing cap and tighten.

**Note:** To be properly seated the tip of the membrane filter must be below the housing edge.



**Step 5** Screw the membrane filter housing cap back on securely.

**Step 6** Connect the green tube back to the membrane cap fitting.



**Step 7** You must change the flow restrictor each time you change the Membrane filter. Replace the existing flow restrictor with the new one by removing the White compression nuts. Make sure the arrow is pointing toward the check valves and hot water line fitting.

**Step 8** Follow Start Up procedures on page 8.



# Troubleshooting

Problem	Cause	Solutions
Low/slow production	Excessive air pressure in tank	Relieve pressure at schrader valve on tank (set to 7psi with the tank empty)
	Pump not operating	Wiring connection broken (plug 110 AC wall plug back in at wall and/or reconnect the 24 VAC wire harness connectors) Replace pump if needed
	Fouled membrane	Replace membrane
	Plugged pre-filters	Replace filters
	Crimped tubing	Check tubes to make sure they are not kinked
	Angle stop or water line valve not fully opened	Ensure valves are opened by turning valve handle counter clockwise until it stops
Milky colored water	Air in the system	Air in the system is a normal occurrence with initial start up of the RO system. This milky look will disappear during normal use within 1-2 weeks. If condition reoccurs after filter changes, drain tank 1 to 2 times.
Faucet Dripping	Needs adjustment	see page 12
Pump short cycles	Ball valve on tank closed	Open the ball valve on the top of the tank
	Blue tube blocked between the tank and RO system	Remove kinked/damaged section and replace if necessary Call for technical support
	Faulty pressure switch	
Bowl leaks at the top after changing the filters	Damaged/Dry O-ring	Lubricate with water soluble lubricant or replace O-ring as necessary (Do not use Vaseline® or other petroleum based lubricants)
Pump constantly running	Electrical fault	Call for technical support. Close faucet and let tank fill for 2 to 3 hours.
	Faucet left on	
	Plugged pre-filters	Replace filters

## Checking air pressure in tank

**Note:** Check air pressure when tank is empty.

- Step 1** Open faucet and drain the tank.
- Step 2** Using a digital air gauge check the air pressure in the tank. There should always be between 5-7psi.
- Step 3** If you have more than 7psi release air and recheck. If you have less than 5psi, add air. Air can be added with a bicycle pump.



# Adjust Faucet

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If the faucet has developed a drip it can be corrected by following the steps outlined below.

## Step 1



Remove faucet Spout first. Position both thumbs on the back edge of the lever and push forward.

## Step 2



Lever will slide forward and completely off of the faucet base.

## Step 3



Small brass tee can be turned  $\frac{1}{2}$  turn counterclockwise, to adjust the tension on the black lever. This adjustment may be necessary to stop slow drips from tip of faucet. You may need to repeat the process until the faucet does not drip. Brass tee must always end up facing across body of faucet in order to slide black lever on.



# Replacement Filter Kits

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Ordering Code	Description	Case Qty/Wt.
WP500342	ZRO-4 (2 pack) <ul style="list-style-type: none"><li>• (1) 10" 5 micron sediment filter</li><li>• (1) 10" carbon block filter</li></ul>	2 lbs
WP500340	ZRO-4 (4 pack) <ul style="list-style-type: none"><li>• (1) 10" 5 micron sediment filter</li><li>• (1) 10" carbon block filter</li><li>• (1) 10" Inline final filter</li><li>• (1) 25 GPD thin film membrane</li></ul>	4 lbs



## Limited Warranty

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### What your Warranty Covers:

If any part of your WATTS PURE WATER Reverse Osmosis System is defective in workmanship (excluding replaceable filters and membranes), return unit after obtaining a return authorization (see below), less tank, within 3 years of original retail purchase. WATTS PURE WATER will repair or, at WATTS PURE WATER'S option, replace the system at no charge.

### How to obtain Warranty Service:

For warranty service, call 1-800-752-5582 for a return authorization number. Then, ship your Reverse Osmosis unit (less tank) to our factory, freight and insurance prepaid, with proof of date of original purchase. Please include a note stating the problem. WATTS PURE WATER will repair it, or replace it, and ship it back to you prepaid.

### What this warranty does not cover:

This warranty does not cover defects resulting from improper installation, (contrary to WATTS PURE WATER'S printed instructions), from abuse, misuse, misapplication, improper maintenance, neglect, alteration, accidents, casualties, fire, flood, freezing, environmental factors, or other such acts of God.

This warranty will be void if defects occur due to failure to observe the following conditions:

1. The Reverse Osmosis System must be hooked up to a potable municipal or well cold water supply.
2. The hardness of the water should not exceed 7 grains per gallon, or 120 ppm.
3. Maximum incoming iron must be less than 0.2 ppm.
4. The pH of the water must not be lower than 3 or higher than 11.
5. The incoming water pressure must be between 40 and 100 pounds per square inch.
6. Incoming water to the RO cannot exceed 105 degrees F (40 degrees C.)
7. Incoming TDS/Total Dissolved Solids not to exceed 1800 ppm.
8. Do not use with water that is micro-biologically unsafe or of unknown quality without adequate disinfection before or after the system.

This warranty does not cover any equipment that is relocated from the site of its original installation.

This warranty does not cover any equipment that is installed or used outside the United States of America.

### LIMITATIONS AND EXCLUSIONS:

WATTS PURE WATER WILL NOT BE RESPONSIBLE FOR ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. WATTS PURE WATER WILL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING TRAVEL EXPENSE, TELEPHONE CHARGES, LOSS OF REVENUE, LOSS OF TIME, INCONVENIENCE, LOSS OF USE OF THE EQUIPMENT, AND DAMAGE CAUSED BY THIS EQUIPMENT AND ITS FAILURE TO FUNCTION PROPERLY. THIS WARRANTY SETS FORTH ALL OF WATTS PURE WATER'S RESPONSIBILITIES REGARDING THIS EQUIPMENT.

### OTHER CONDITIONS:

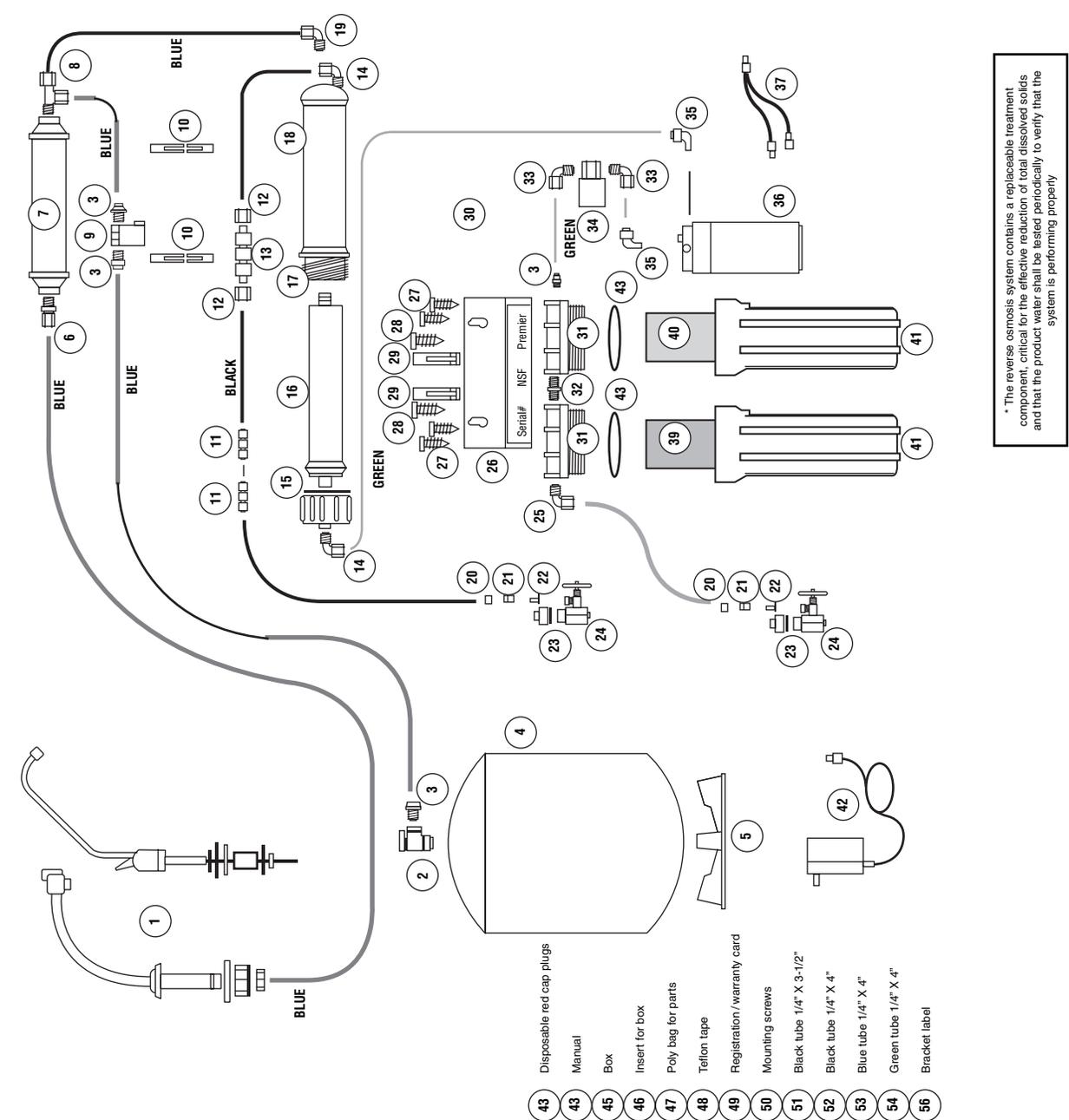
If WATTS PURE WATER chooses to replace the equipment, WATTS PURE WATER may replace it with reconditioned equipment. Parts used in repairing or replacing the equipment will be warranteed for 90 days from the date the equipment is returned to you or for the remainder of the original warranty period, whichever is longer. This warranty is not assignable or transferable.

### YOUR RIGHTS UNDER STATE LAW:

Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply. This warranty gives you specific legal rights, and you may have other legal rights which vary from state to state.

# 4 Stage Zero Waste Reverse Osmosis System

Item No.	Part No. Item	Description
1	116023	FAUCET-NON AG-CHROME (TF)
2	134029	VALVE-BALL-PLAS-ELB-1/4"X1/4"
3	125082	CON-1/4"X1/4"X1/4"X1/4"
3	125083	CON-JG-1/4"X1/4"X1/4"X1/4"
4	119007	TANK-PRES-3 GAL WHITE
5	119028	TANK STAND
6	125017	CON-PL-1/4"X1/4"X1/4"
7	100017	GAC-IL-10"-1/4" F
8	125064	TEE MALE RUN 1/4"X1/4"X1/4"X1/4" DMT WHT
9	152032	SWITCH, PRESSURE 60PSIG - TSO
10	164010	CLIP-DOUBLE-MEM TO IL
11	234014	VALVE-CHECK QUICK CON (0 WASTE)
12	125002	NUT-PL-1/4"X1/4"X1/4"X1/4" WHT-CELCON
13	222010	FLOW RESTRICTOR 550 ML
14	125031	ELB-PL-1/4"X1/4"X1/4"X1/4" 90
15	113038	O-RING SET FOR VESSEL
16	110005	MEM-TFM-25 GPD-DRY
17	113038	O-RING SET FOR VESSEL
18	113032	VESSEL-MEM-HOUSING-RES
19	134011	VALVE-CHECK-PLA-ELBOW 1/4"X1/4"
20	146032	NUT-3/16" STEEL
21	131012	DELRIIN SLEEVE - PLASTIC
22	131017	INSERT
23	146025	ADAPTA-VALVE WASHER
24	134007	VALVE ADAPTA PREMIER
25	125034	ELB-PL-1/4"X1/4"X1/4"X1/4" 90
26	137013	BRACKET-45V-STEEL-WHITE
27	146001	SCREW-#10-3/16" PHIL PANHEAD
28	146004	SCREW-#10-1" PHIL PANHEAD
29	164006	CLIP-MTG-MEM-VESSEL
30	337002	BRACKET 16 GAUGE CRS (0 WASTE)
31	113007	LID-WHITE 1/4" FPT UNASSEMBLED
32	131021	HEX NIPPLE-BR-1/4" HEAVY DUTY
33	125088	ELB-90-1/4"X1/4"X1/4"X1/4" DMT/White
34	152035	VALVE-SOLENOID ELEC 1/2" ESO
35	125089	ELB-90-1/4"X1/4"X1/4"X1/4" INSERT DMT WHT
36	152008	PUMP BOOSTER LOW FLOW 1/4"
37	152044	WIRE HARNESS FOR ESO
38	113029	ORING - FILTER HOUSING
39	104017	SED-SPUN-10"-5M-CTG (GM-10)
40	101009	CARBONBLOCK-10"-5M-CTG
41	113024	HOUSING-FILTER 10" WHITE
42	252004	TRANSFORMER 115V/60HZ 2AMP FOR
43	146024	SCREW #8X2 X 1/4" PANHEAD - MOUNTING
44	199348	MANUAL UNIVERSAL
45	199134	BOX MASTER
46	199120	BOX INSERT
47	199042	POLY BAG 7" X 15" .002 1000/CS
48	199055	TAPE TEFLON 1/2" X 60" SPOOL
48	199054	TAPE-TEFLON 3/16" X 0.0035X50YD
49	199353	WARRANTY CARD PINK PR-6
50	140031	CAP PLUG 1/4" RED
51	610115	TUBING 1/4" BLACK 3-1/2" - FR
52	610117	TUBING 1/4" BLACK 4" - FR
53	610113	TUBING 1/4" BLUE 4"
54	610109	TUBING 1/4" GREEN 4"
55	299007	LABEL WATTS PURE WATER RO SER#



\* The reverse osmosis system contains a replaceable treatment component, critical for the effective reduction of total dissolved solids and that the product water shall be tested periodically to verify that the system is performing properly

# For Technical Assistance Call Your Authorized Watts Agent.

Telephone # Fax #

			Telephone #	Fax #
	<b>WATTS PURE WATER</b>	1725 West William Drive, Suite C20, Phoenix, AZ 85027	623 505-1511	602 588-0356
North East	Edwards, Platt & Deely, Inc.	271 Royal Ave., Hawthorne, NJ 07506	973 427-2898	973 427-4246
	Edwards, Platt & Deely, Inc.	368 Wyandanch Ave., North Babylon, NY 11703	631 253-0600	631 253-0303
	W. P. Haney Co., Inc.	51 Norfolk Ave., South Easton, MA 02375	508 238-2030	508 238-8353
Mid Atlantic	J. B. O'Connor Company, Inc.	P.O. Box 12927, Pittsburgh, PA 15241	724 745-5300	724 745-7420
	RMI	Glenfield Bus. Ctr., 2535 Mechanicsville Tpk., Richmond, VA 23223	804 643-7355	804 643-7380
	The Joyce Agency, Inc.	8442 Alban Rd., Springfield, VA 22150	703 866-3111	703 866-2332
	Vernon Bitzer Associates, Inc.	980 Thomas Drive, Warminster, PA 18974	215 443-7500	215 443-7573
	WMS Sales, Inc. (Main office)	9580 County Rd., Clarence Center, NY 14032	716 741-9575	716 741-4810
South East	Billingsley & Associates, Inc.	2728 Crestview Ave., Kenner, LA 70062-4829	504 602-8100	504 602-8106
	Billingsley & Associates, Inc.	478 Cheyenne Lane, Madison, MS 39110	601 856-7565	601 856-8390
	Francisco J. Ortiz & Co., Inc.	Charlyn Industrial Pk., Road 190 KM1.9 - Lot #8, Carolina, Puerto Rico 00983	787 769-0085	787 750-5120
	Mid-America Marketing, Inc.	2776 B.M. Montgomery St., Birmingham, AL 35209	205 879-3469	205 870-5027
	Mid-America Marketing, Inc.	1364 Foster Avenue, Nashville, TN 37210	615 259-9944	615 259-5111
	Mid-America Marketing, Inc.	5466 Old Hwy. 78, Memphis, TN 38118	901 795-0045	901 795-0394
	Smith & Stevenson Co., Inc.	4935 Chastain Ave., Charlotte, NC 28217	704 525-3388	704 525-6749
	Spotswood Associates, Inc.	6235 Atlantic Blvd., Norcross, GA 30071	770 447-1227	770 263-6899
	Target Marketing Enterprises, Inc.	118 West Grant St., Building M, Orlando, FL 32806	407 245-7838	407 245-7833
North Central	Aspinall Associates, Inc.	6840 Hillsdale Court, Indianapolis, IN 46250	317 849-5757	317 845-7967
	Dave Watson Associates	1325 West Beecher, Adrian, MI 49221	517 263-8988	517 263-2328
	Disney-McLane-Woodcock, Inc.	428 McGregor Ave., Cincinnati, OH 45206	800 542-1682	877 476-1682
	Disney-McLane-Woodcock, Inc.	17610 S. Waterloo Rd., Cleveland, OH 44119	216 486-1010	216 486-2860
	Mid-Continent Marketing Services Ltd.	1724 Armitage Ct., Addison, IL 60101	630 953-1211	630 953-1067
	Soderholm & Associates, Inc.	7150 143rd Ave. N.W., Anoka, MN 55303	763 427-9635	763 427-5665
	Stickler & Associates	333 North 121 St., Milwaukee, WI 53226	414-771-0400	414-771-3607
South Central	Hugh M. Cunningham, Inc.	13755 Benchmark, Dallas, TX 75234	972 888-3808	972 888-3838
	Mack McClain & Associates	11132 South Towne Square, Suite 202, St. Louis, MO 63123	314 894-8188	314 894-8388
	Mack McClain & Associates, Inc.	1450 NE 69th Place, Ste. 56 Ankeny, IA 50021	515 288-0184	515 288-5049
	Mack McClain & Associates, Inc.	15090 West 116th St., Olathe, KS 66062	913 339-6677	913 339-9518
	Phoenix Marketing, Ltd.	2416 Candelaria N.E., Albuquerque, NM 87107	505 883-7100	505 883-7101
Western	Delco Sales, Inc.	1930 Raymer Ave., Fullerton, CA 92833	714 888-2444	714 888-2448
	Delco Sales, Inc.	111 Sand Island Access Rd., Unit I-10, Honolulu, HI 96819	808 842-7900	808 842-9625
	Fanning & Associates, Inc.	6765 Franklin St., Denver, CO 80229-7111	303 289-4191	303 286-9069
	Hollabaugh Brothers & Associates	6915 South 194th St., Kent, WA 98032	253 867-5040	253 867-5055
	Hollabaugh Brothers & Associates	3028 S.E. 17th Ave., Portland, OR 97202	503 238-0313	503 235-2824
	P I R Sales, Inc.	3050 North San Marcos Place, Chandler, AZ 85225	480 892-6000	480 892-6096
	R. E. Fitzpatrick Sales, Inc.	4109 West Nike Dr. (8250 South), West Jordan, UT 84088	801 282-0700	801 282-0600
	Zurier Company	6147 Industrial Way Unit A, Livermore, CA 94550	925 449-5858	925 449-7878
Canada	Watts Industries (Canada) Inc. (Watts Regulator Co. Division)	5435 North Service Road, Burlington, Ontario L7L 5H7	905 332-4090	905 332-7068
	Allan Forrest Sales Ltd.	#10, 4980 - 12A Street S.E., Calgary, Alberta T2G 5K9	403 243-7001	403 243-7353
	Allan Forrest Sales Ltd.	12514B - 128th St., Edmonton, Alberta T5L 1C8	780 452-8551	780 452-3486
	Hy-Line Sales Ltd.	1 - 19661-96th Ave., Langley, British Columbia V1M 3C9	604 888-3114	604 888-3070
	Hydro-Mechanical Sales, Ltd.	3700 Joseph Howe Dr., Ste. 1 Halifax, Nova Scotia B3L 4H7	902 443-2274	902 443-2275
	Hydro-Mechanical Sales, Ltd.	297 Collishaw St., Ste. 7 (shipping) Moncton, New Brunswick E1C 9R2	506 859-1107	506 859-2424
	Hydro-Mechanical Sales, Ltd.	85 Tolt Rd., St. Phillips, Newfoundland A1B 3M7	709 895-0090	709 895-0091
	Le Groupe B.G.T., Inc.	2800 Rue Dalton Ste. 3, Ste-Foy, Quebec G1P 3S4	418 657-2800	418 657-2700
	Le Groupe B.G.T., Inc.	86 des Entreprises #208, Boisbriand, Quebec J7G 2T3	450 434-9010	450 434-9848
	Mar-Win Agencies, Ltd.	1123 Empress St., Winnipeg, Manitoba R3E 3H1	204 775-8194	204 786-8016
	Palser Enterprises, Ltd.	1885 Blue Heron Dr., #4, London, Ontario N6H 5L9	519 471-9382	519 471-1049
	Palser Enterprises, Ltd.	160 Pennsylvania Avenue, Concord, Ontario L4K 4A9	905 738-5200	905 738-6111
	Mech-Tech Sales	1069 Gordon Ave., Sudbury, Ontario P3A 2V5	705 525-2543	705 525-0432
	RAM Mechanical Marketing	441 Quebec St., Regina, Saskatchewan S4R 1K8	306 525-1986	306 525-0809
	RAM Mechanical Marketing	#13 - 1100 7th. Avenue North, Saskatoon, Saskatchewan S7K 2V9	306 244-6622	306 244-0807
	Walmar Mechanical Sales	24 Gurdwara Rd., Nepean, Ontario K2E 8B5	613 225-9774	613 225-0673
0344	<b>EXPORT Hdqtrs.:</b> Watts Regulator Co.	815 Chestnut St., North Andover, MA 01845-6098 U.S.A.	978 688-1811	978 794-1848



Watts USA website: [www.wattspurewater.com](http://www.wattspurewater.com)

Watts Canada website: [www.wattscanada.ca](http://www.wattscanada.ca)