



# Ozmosis

Installation Instructions & Owner's Manual

## Commercial RO Reverse Osmosis Membrane Systems



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**PLEASE READ THE ENTIRE MANUAL BEFORE PROCEEDING WITH THE INSTALLATION AND STARTUP. YOUR FAILURE TO FOLLOW ANY INSTRUCTIONS OR OPERATING PARAMETERS MAY LEAD TO THE PRODUCT'S FAILURE, WHICH CAN CAUSE PROPERTY DAMAGE AND/OR PERSONAL INJURY.**

- DO NOT USE WHERE THE WATER IS MICRO-BIOLOGICALLY UNSAFE OR OF UNKNOWN QUALITY WITHOUT ADEQUATE DISINFECTION BEFORE OR AFTER THE SYSTEM.
- PRETREATMENT MUST BE SUFFICIENT TO ELIMINATE CHEMICALS THAT WOULD ATTACK THE MEMBRANE MATERIALS.
- ALWAYS TURN OFF THE UNIT, SHUT OFF THE FEED WATER, AND DISCONNECT THE ELECTRICAL POWER WHEN WORKING ON THE UNIT.
- NEVER ALLOW THE PUMP TO RUN DRY.
- NEVER START THE PUMP WITH THE CONCENTRATE VALVE CLOSED.
- NEVER ALLOW THE UNIT TO FREEZE OR OPERATE WITH A FEED WATER TEMPERATURE ABOVE 100°F.

Your Ozmosis Commercial RO Series is a precision built, high quality product. These units will deliver quality drinking water for many years to come, when installed and operated properly. Please study this manual carefully and understand the cautions and notes before installing. This manual should be kept for future reference. If you have any questions regarding your system, contact your local dealer or the manufacturer at the following:

**435 23rd St. NW    Naples, FL 34120**  
**Phone: 239-398-0967**  
**E-mail: [info@coastalwaterfilters.com](mailto:info@coastalwaterfilters.com)**

## INSTALLATION INSTRUCTIONS:

**For the installer**, the following must be adhered to:

- Proper pretreatment must be determined and installed prior to the RO system.
- The water supply and pretreatment equipment should be sufficient to provide a minimum of 45 psi at the maximum feed flow.
- Responsibility for meeting local electrical and plumbing codes lies with the owner/operator.
- Install indoors in an area protected from freezing. Space allowances for the removal of the membranes from the pressure vessels should be provided.

## PLUMBING CONNECTIONS:

**NOTE:** It is the responsibility of the end user to ensure that the installation is done according to local codes and regulations.

1. Connect the pre-treated feed water line to the pre-filter inlet. A feed water shutoff valve should be located within 10 feet of the system.
2. Temporarily connect the product water outlet to a drain. The product outlet is located on the back top of the permeate flow meter.
3. Connect the concentrate water outlet to a drain. The concentrate outlet is located on the back top of the concentrate flow meter or after the stainless steel needle valve. The concentrate drain line should never be restricted. An air gap must be located between the end of the drain line and the drain. The use of a standpipe or other open drain satisfies most state and local codes and allows for visual inspection and sampling.

## ELECTRICAL CONNECTIONS:

**NOTE:** It is the responsibility of the end user to ensure that the installation is done according to local codes and regulations.

1. Make sure the RUN/OFF/FLUSH switch on the front panel is in the **"OFF"** position.
2. Plug the unit into a properly sized and grounded receptacle or wire into a junction box power supply with an appropriately sized breaker following local electrical codes.
3. Additional switching control devices, such as a float or timer, can be hardwired into the on-board electrical box by breaking the incoming power supply. - **ALWAYS USE PROPER CONDUIT, FITTINGS, WIRE AND WIRING COMPONENTS ACCORDING TO STATE AND LOCAL CODES!**



# INSTALLATION AND STARTUP CHECKLIST

Please use the supplied checklists below to record the initial system hardware and site install conditions. Keep this copy for future reference. If you have additional systems to install, make a copy of this form first.

## STARTUP INSTALL/CONDITIONS

Installation Date: \_\_\_\_\_

Installer Name: \_\_\_\_\_

Site of Install: \_\_\_\_\_

WHRO System Model: \_\_\_\_\_

Water Source: \_\_\_\_\_

Pre-treatment Installed:  yes  no

If yes, explain: \_\_\_\_\_

### FEED WATER ANALYSIS

TDS: Design \_\_\_\_\_ Startup \_\_\_\_\_

Turbidity: \_\_\_\_\_

Total Iron: \_\_\_\_\_

Chlorine: \_\_\_\_\_

Hardness: \_\_\_\_\_

Feed Water Temp: \_\_\_\_\_

Pre-filter cartridge model: \_\_\_\_\_

Starting pre-filter inlet pressure: \_\_\_\_\_

• Pressure at startup: \_\_\_\_\_

### FLOW METER READINGS

• **Concentrate** Design \_\_\_\_\_ Startup \_\_\_\_\_

• **Recycle** Design \_\_\_\_\_ Startup \_\_\_\_\_

• **Permeate** Design \_\_\_\_\_ Startup \_\_\_\_\_

\_\_\_\_\_  
(Installer signature)

\_\_\_\_\_  
(date)

## INSTALLATION CHECKLIST

Installation Address: \_\_\_\_\_

- Pre-treatment is installed and is flushed and working.
- Installation location allows access to membrane(s).
- Listed components and fittings are present.
- Loose components assembled to system.
- Membranes and pre-filter installed.
- System securely in place.
- Plumbing connections are complete.
- Initial flush without leaks.
- Electrical power connected, single phase. \_\_\_\_\_ Volts \_\_\_\_\_ Hz
- System sanitized.
- Controller display working.
- Proper operation is verified.
- All checks above have been completed.

### INSTALLATION NOTES

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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# 2000 - 11600 GPD MEMBRANE SPECIFICATIONS

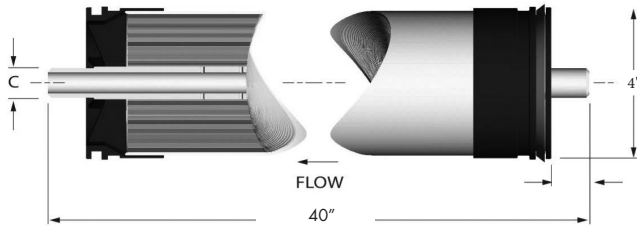
## OPERATING LIMITS:

Membrane Type	Polyamide Thin-Film Composite
Maximum Operating Temperature	100° F (38° C)*
Maximum Operating Pressure	250 psi (15.5 bar) System Limits
pH Range, Continuous Operation*	2-11
pH Range, Short Term Cleaning (30 min)	1-13
Maximum Feed Silt Density Index	5
Chlorine Tolerance	0 ppm

\*Maximum temperature for continuous operations above pH 10 is 95° F (35° C)

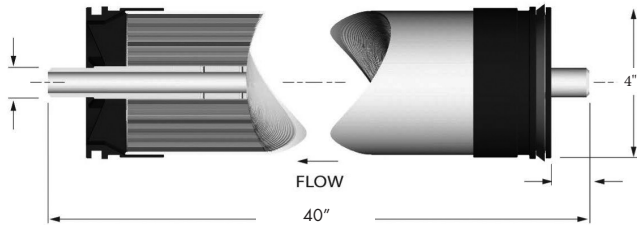
### ULP/LP-4040 Membrane - Product Specifications

Part Number	Description	Operating Pressure(psi)	Production Rate (gpd)	Flow Rate (gpm)	Salt Rejection Rate (%)	Quantities per Model
OZ-ULP-4040	Ultra Low Pressure	150 PSI	2900 GPD	2.0 GPM	99.7 %	EROLP-2900 - 1 membrane
						EROLP-5800 - 2 membranes
						EROLP-8700 - 3 membranes
						EROLP-11600 - 4 membranes



### BW-4040 Membrane - Product Specifications

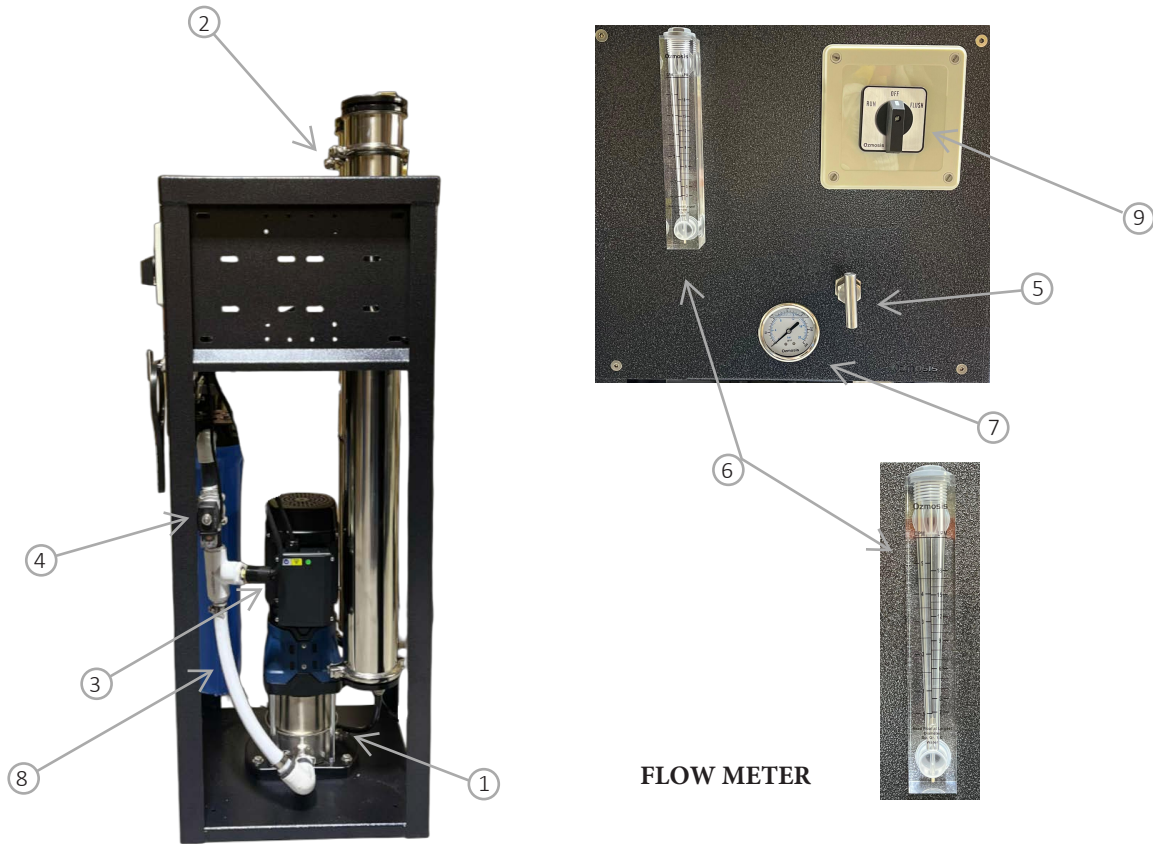
Part Number	Description	Operating Pressure(psi)	Production Rate (gpd)	Flow Rate (gpm)	Salt Rejection Rate (%)	Quantities per Model
OZ-BW-4040	Brackish Water	225 PSI	2500 GPD	1.8 GPM	99.6 %	EROHP-2000 - 1 membrane
						EROHP-4000 - 2 membranes
						EROHP-6000 - 3 membranes
						EROHP-8000 - 4 membranes



Under certain conditions, the presence of free chlorine and other oxidizing agents will cause premature membrane failure. Since oxidative damage is not covered under warranty, the manufacturer recommends removing residual free chlorine by pretreatment prior to membrane exposure. Wet tested membrane elements must be kept sealed and moist when in storage. Drying out may occur and damage the membrane permanently. Prevent elements from freezing or being exposed to direct sunlight. Wet tested elements are vacuum sealed in a polyethylene bag containing M100 Membrane Preservation and then packaged in a cardboard box. Discard the permeate for the first 24 hours of operation. The permeate flow (product water flow) varies with feed water temperature. For membrane warranty information, please contact the manufacturer.

The manufacturer believes the information and data contained herein to be accurate and useful. The information and data are offered in good faith, but without guarantee, as conditions and methods of use of products are beyond the manufacturer's control. The manufacturer assumes no liability for results obtained or damages incurred through the application of the presented information and data. It is the user's responsibility to determine the appropriateness of these products for the user's specific end uses.

# SYSTEM IDENTIFICATION



**Models: 2900/5800/8700/11600/2000/4000/6000/8000**

Item Number	Description	Part Number	Model
1	Pump, Booster, 1 HP, 115/230V, .75KW, CVLA1-9, Vertical	CVL-V-.75KW	2900
1	Pump, Booster, 1.5 HP, 230V, 1.1KW, CVLA2-6, Vertical	CVL-V-.1.1KW-230v	2000/5800
1	Pump, Booster, 2 HP, 230V, 1.5KW, CVLA1-17, Vertical	CVL-V-.1.5KW	4000
1	Pump, Booster, 3 HP, 230V, 2.5KW, CVL2-11/CVL3-13, Vertical	CVL-V-.2.2KW	6000/8000/8700/11,600
2	Membrane Housing, FRP Fiberglass, 4040 , 1/2" x 1/2"	MH4040-FRP-050-050	ALL
2	Membrane Housing, SS Stainless Steel, 4040 (Alternative)	MH4040-SS-050-050	ALL
2	Membrane, ULP-4040, (see page 5 for qty. requirements)	OZ-ULP-4040	ALL EROLP
2	Membrane, BW-4040, (see page 5 for qty. requirements)	OZ-BW-4040	ALL EROHP
3	Reverse Action, Pressure Switch, 15-30 psi, 1/4" FNPT	OZ-RA-PS	ALL
4	3/4" SS Solenoid Valve 115v/230v	SSN-CV075	2000/2900/4000/5800
4	1" SS Solenoid Valve 230v	SSN-CV100230	6000/8000/8700/11,600
5	Valve, Needle, SS 316L, 1/2" FNPT	NVPM-05-SS316	2000/2900/4000/5800
5	Valve, Needle, SS 316L, 1" FNPT	NVPM-100-SS316	6000/8000/8700/11,600
6	Meter, Flow, .5-5 GPM, 1/2" MNPT x 1/2" MNPT	L-FM-0.5-5	2000/2900/5800
6	Meter, Flow, 1.5 -9 GPM, 1/2" MNPT x 1/2" MNPT	L-FM-1.5-9	4000
6	Meter, Flow, 2-10 GPM, 1/2" MNPT x 1/2" MNPT	L-FM-2-10	6000/8000/8700/11,600
6	Meter, Flow, 5-20 GPM, 1/2" MNPT x 1/2" MNPT	L-FM-5-20	EROLP-8000-240-V-FRP-2FM
7	Gauge, Pressure, SS, Back Mount 0-300 PSI, 1/4" NPT	PG-YTN-60Z-025-0-300	ALL
8	2.5" x 20" Slim Blue 3/4" Filter Housing	SB-FH-2.5x20-NB	2000/2900/4000/5800
8	4.5" x 20" Big Blue 3/4" Filter Housing	BB-FH-4.5x20-NB	6000/8000/8700/11,600
8	Cartridge, Sediment, 5 Micron Filter, Melt-Blown Poly, 2.5" x 20"	L-F-MB-2.5x20-5	2000/2900/4000/5800
8	Cartridge, Sediment, 5 Micron Filter, Melt-Blown Poly, 2.5" x 20"	L-F-MB-4.5x20-5	6000/8000/8700/11,600
9	Cam Switch , RO, On/Off/ Flush, Weatherproof 20A	RCS-20A-4C-2P	ALL

# STARTUP PROCEDURES

## PURGE:

1. Verify incoming pressure is between 40 and 80 psi
2. Verify that the pretreatment equipment is installed and working properly. Pre-filtration must be flushed and sediment free.
3. Direct permeate water to drain temporarily.
4. Verify that the FLUSH/OFF/ON cam switch is in the "OFF" position.
5. Fully open the concentrate valve. (Counter clockwise)
6. Fully close the concentrate recycle valve. (Clockwise - If equipped)
7. Fully open the globe valve on pump end. (Counter clockwise - If equipped)
8. Slowly turn on feed water supply
9. Re-verify incoming pressure is between 40 and 80 psi
10. Turn cam switch to "FLUSH" mode to open solenoid (this is a momentary position).
11. Allow the unit to pressurize completely and check for any leaks, purge all the air out of the system and observe the concentrate flow meter for air to be expelled. Return cam switch to "OFF" position.
12. Verify incoming pressure is between 40 and 80 psi on filter in gauge. Pressure reducing valve will be required if pressure is greater than 80 psi.

## INITIAL STARTUP:

1. Fully open needle valve (counter clockwise)
2. Turn the cam switch on the front panel to the "**Flush**" position. A red led light will illuminate on the solenoid valve wiring harness indicating power is to the solenoid. **Flush for 5 minutes.**
3. Turn the cam switch to the RUN position. System pump should turn on and boost pressure to the system.
4. Allow the unit to run for 15-30 minutes to flush the air and preservative from the membrane(s). **NOTE:** Do not exceed 250 psi on the pump pressure gauge
5. Adjust the concentrate, concentrate recycle valve (if equipped), until the desired flows are achieved. Lower concentrate (waste) flow rates can reduce membrane life drastically in certain applications. **NEVER CLOSE THE CONCENTRATE VALVE (NEEDLE VALVE) COMPLETELY.**
6. Allow the product water to flow to drain for an additional 15-30 minutes.
7. Test and verify unit performance. Turn off the system and re-direct the product line to the point of use.
8. Restart the system and check for system leaks.

# OPERATION AND MAINTENANCE

The reverse osmosis process causes the concentration of impurities. The impurities may precipitate (come out of solution) when their concentration reaches saturation levels.

**NOTE: Precipitation can scale or foul membranes and must be prevented.**

Check your feed water chemistry and pre-treat the water and/or reduce the system's recovery as required. If necessary, consult with your local dealer or distributor.

***PRE-FILTER PRESSURE GAUGES (Optional):***

These gauges measure the feed water pressure when it enters and exits the pre-filters. A pressure differential of 10-15 psi or more on the two pressure gauges indicates that the pre-filter requires servicing. For example, if the inlet pressure is 40 psi, the filter should be changed when the outlet pressure is 30 psi or below. **Failure to maintain filter will result in system damages.**

***CHANGING THE PRE-FILTER:***



**WARNING: All pressure gauges must be read zero before proceeding. Before attempting, disconnect the power from the system and bleed all water pressure from the system.**

The system comes with a standard 5 Micron 2.5"x20" or 4.5"x20" Sediment Pre-Filter that is located inside the filter housing.

1. To remove the filter, turn off the power and then the water supply to the system. Press the pressure relief located on the top of the pre-filter housing to release residual pressure.
2. Turn the filter housing counterclockwise using the filter wrench supplied with the system.
3. Remove and replace sediment cartridge with similar size 5 micron sediment filter. Dispose of old filter properly. Check o-ring located at top of filter housing sump and re-lube or replace if necessary before re-installing on system. Re-install housing, turn hand tight (clockwise) and check for leaks after system is turned back on.

***MEMBRANE INSTALLATION, REMOVAL AND REPLACEMENT:***

Installing and replacing membranes in the pressure vessels is an easy process if you have the proper information and tools at hand. Please refer to the following instructions when removing and replacing membrane elements:



**WARNING: All pressure gauges must be read zero before proceeding. Before attempting, disconnect the power from the system and bleed all water pressure from the system.**

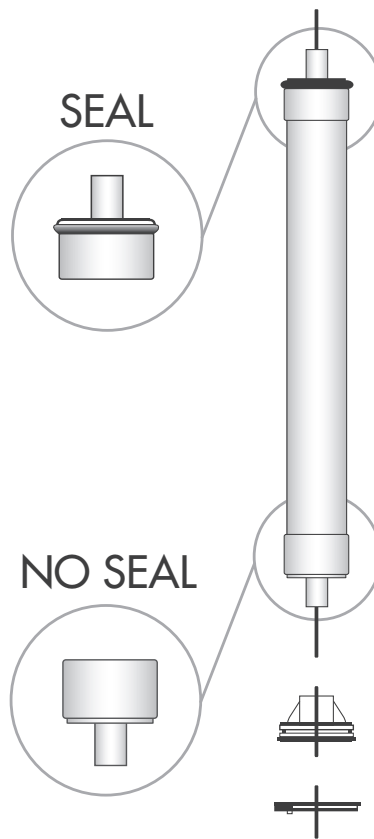
1. Remove the end caps from the top of the pressure vessels. This is done by removing the two half-moon retaining disks using a #5 allen wrenches on FRP membrane housings, or by removing the retaining clamps on Stainless Steel housings using two wrenches or sockets. The end caps should then freely slide out of the pressure vessel. **If tools are used to remove the end caps be careful not to damage the end caps.**
2. Remove the replacement membrane element(s) from the shipping box; the membrane(s) should be contained within a plastic oxygen barrier bag

**NOTE: Wear gloves for the following steps in order not to contaminate the membrane.**

3. Cut the bag open as close as possible to the seal at one end of the bag, so the bag may be re-used if necessary



4. Remove membrane from bag. Make sure that all parts of the membrane are clean and free from dirt. Examine the brine seal and permeate tube for nicks or cuts. Replace the o-rings or brine seal if damaged.
5. Load membranes into pressure vessels according to the concentrate flow direction. Note the position of the brine seal placement on the membrane. Each housing has an arrow indicating the direction of flow for that housing. The brine seal must be at the water inlet of the housing.
6. Use Dow #7 silicone grease, Molykote EM-30L POA grease, or similar product on the o-rings and brine seal before installing the membrane.
7. Install the new membrane in direction as shown in diagram:

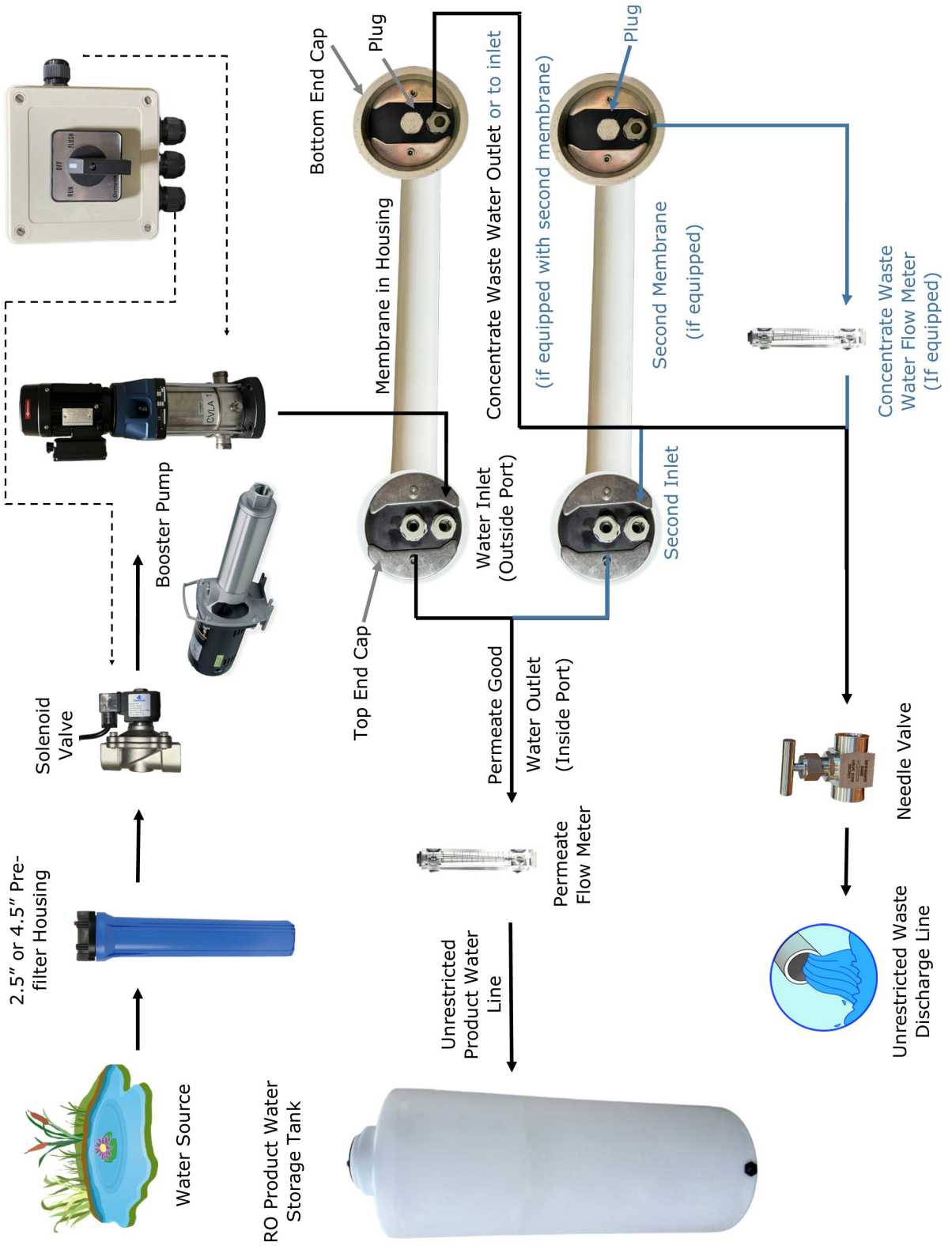


8. Inspect O-rings inside end caps, (replace if damaged) and lubricate.
9. Re-install the black end caps and tighten retaining screws.
10. Change is complete.

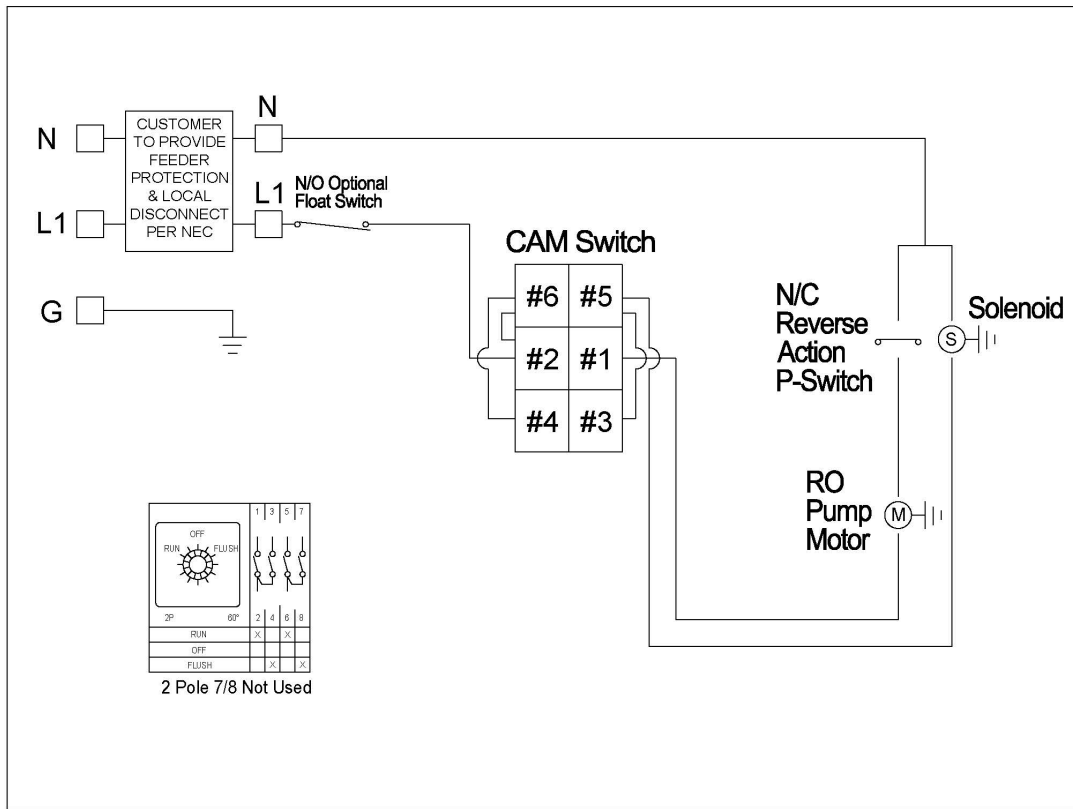
# TROUBLESHOOTING GUIDE

<b>1. Low inlet pressure</b>	A. Low supply pressure	A. Increase inlet pressure
	B. Cartridge filters plugged	B. Change filters
	C. Solenoid valve malfunction	C. Clean or replace solenoid valve and/or coil
	D. Leaks	D. Fix any visible leaks
<b>2. Low permeate flow</b>	A. Low inlet flow	A. Adjust concentrate valve
	B. Cold feed water	B. See temperature correction sheet ( <i>page 12</i> )
	C. Low operating pressure	C. See low inlet pressure
	D. Defective membrane brine seal	D. Inspect and/or replace brine seal
	E. Fouled or scaled membrane	E. Clean membranes
<b>3. High permeate flow</b>	A. Damaged product tube o-rings	A. Inspect and/or replace o-rings
	B. Damaged or oxidized membranes	B. Replace membrane
	C. Exceeding maximum feed water temperature	C. See temperature correction sheet ( <i>page 12</i> )
<b>4. Poor permeate quality</b>	A. Low operating pressure	A. See low inlet pressure
	B. Damaged product tube o-rings	B. Inspect and/or replace o-rings
	C. Damaged or oxidized membranes	C. Replace membrane
<b>5. Membrane fouling</b>	A. Metal oxide fouling	A. Improve pretreatment for colloid removal. Clean with acid cleaners.
	B. Colloidal fouling	B. Optimize pretreatment for colloid removal. Clean with high pH anionic cleaners.
	C. Scaling (CaSO <sub>4</sub> , CaSO <sub>3</sub> , BaSO <sub>4</sub> , SiO <sub>2</sub> )	C. Increase acid addition and antiscalant dosage for CaVO <sub>3</sub> and CaCO <sub>4</sub> . Reduces recovery. Clean with acid cleaners.
	D. Biological fouling	D. Shock dosage of Sodium Bisulfate. Continuous feed of Sodium Bisulfate at reduced pH. Chlorination and de-chlorination. Replace cartridge filters.
	E. Organic fouling	E. Activated carbon or other pretreatment. Clean with high pH cleaner.
	F. Chlorine oxidation	F. Check chlorine feed equipment and de-chlorination system.
	G. Abrasion of membrane by crystalline material	G. Improve pretreatment. Check all filters for media leakage.

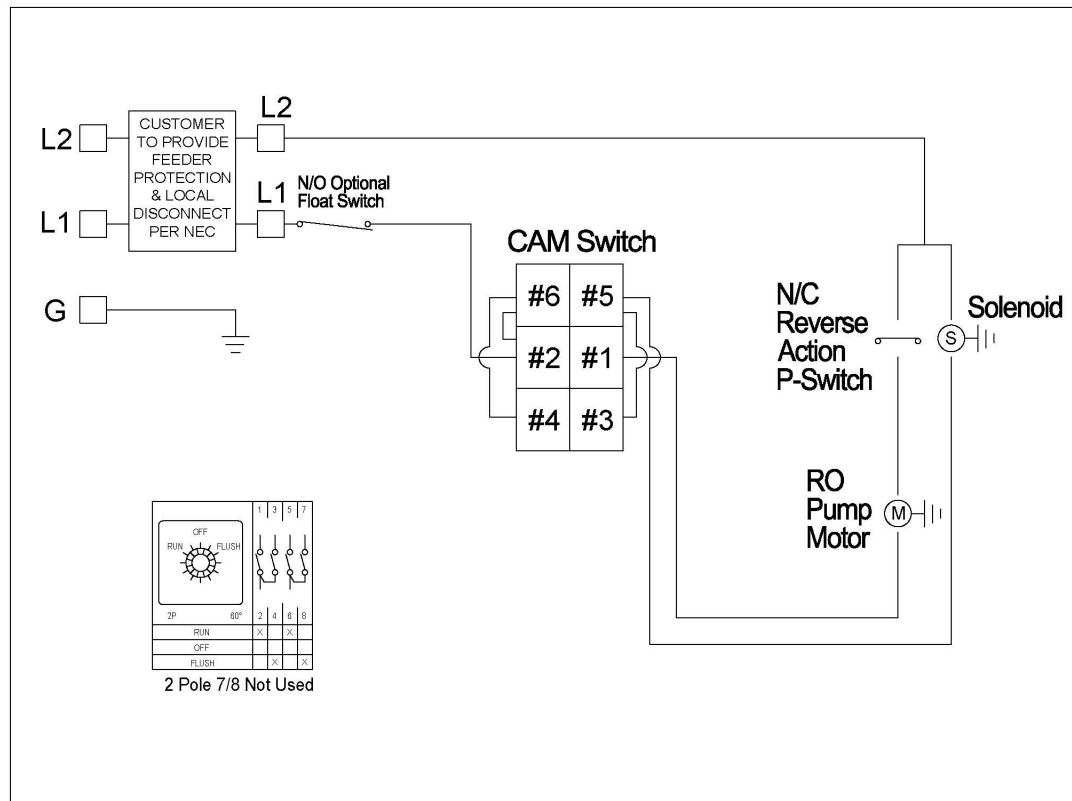
# RO SYSTEM FLOW CHART



# ELECTRICAL DRAWING - 120 VOLT



# ELECTRICAL DRAWING - 240 VOLT



# MEMBRANE TEMPERATURE CORRECTION:

Temperature °F (°C)	Temperature Correction Factor	Temperature °F (°C)	Temperature Correction Factor	Temperature °F (°C)	Temperature Correction Factor	Temperature °F (°C)	Temperature Correction Factor	Temperature °F (°C)	Temperature Correction Factor
50.0 (10.0)	1.711	57.2 (14.0)	1.475	64.4 (18.0)	1.276	71.6 (22.0)	1.109	78.8 (26.0)	0.971
50.2 (10.1)	1.705	57.4 (14.1)	1.469	64.6 (18.1)	1.272	71.8 (22.1)	1.105	79.0 (26.1)	0.968
50.4 (10.2)	1.698	57.6 (14.2)	1.464	64.8 (18.2)	1.267	72.0 (22.2)	1.101	79.2 (26.2)	0.965
50.5 (10.3)	1.692	57.7 (14.3)	1.459	64.9 (18.3)	1.262	72.1 (22.3)	1.097	79.3 (26.3)	0.962
50.7 (10.4)	1.686	57.9 (14.4)	1.453	65.1 (18.4)	1.258	72.3 (22.4)	1.093	79.5 (26.4)	0.959
50.9 (10.5)	1.679	58.1 (14.5)	1.448	65.3 (18.5)	1.254	72.5 (22.5)	1.090	79.7 (26.5)	0.957
51.1 (10.6)	1.673	58.3 (14.6)	1.443	65.5 (18.6)	1.249	72.7 (22.6)	1.086	79.9 (26.6)	0.954
51.3 (10.7)	1.667	58.5 (14.7)	1.437	65.7 (18.7)	1.245	72.9 (22.7)	1.082	80.1 (26.7)	0.951
51.4 (10.8)	1.660	58.6 (14.8)	1.432	65.8 (18.8)	1.240	73.0 (22.8)	1.078	80.2 (26.8)	0.948
51.6 (10.9)	1.654	58.8 (14.9)	1.427	66.0 (18.9)	1.236	73.2 (22.9)	1.075	80.4 (26.9)	0.945
51.8 (11.0)	1.648	59.0 (15.0)	1.422	66.2 (19.0)	1.232	73.4 (23.0)	1.071	80.6 (27.0)	0.943
52.0 (11.1)	1.642	59.2 (15.1)	1.417	66.4 (19.1)	1.227	73.6 (23.1)	1.067	80.8 (27.1)	0.940
52.2 (11.2)	1.636	59.4 (15.2)	1.411	66.6 (19.2)	1.223	73.8 (23.2)	1.064	81.0 (27.2)	0.937
52.3 (11.3)	1.630	59.5 (15.3)	1.406	66.7 (19.3)	1.219	73.9 (23.3)	1.060	81.1 (27.3)	0.934
52.5 (11.4)	1.624	59.7 (15.4)	1.401	66.9 (19.4)	1.214	74.1 (23.4)	1.056	81.3 (27.4)	0.932
52.7 (11.5)	1.618	59.9 (15.5)	1.396	67.1 (19.5)	1.210	74.3 (23.5)	1.053	81.5 (27.5)	0.929
52.9 (11.6)	1.611	60.1 (15.6)	1.391	67.3 (19.6)	1.206	74.5 (23.6)	1.049	81.7 (27.6)	0.926
53.1 (11.7)	1.605	60.3 (15.7)	1.386	67.5 (19.7)	1.201	74.7 (23.7)	1.045	81.9 (27.7)	0.924
53.2 (11.8)	1.600	60.4 (15.8)	1.381	67.6 (19.8)	1.197	74.8 (23.8)	1.042	82.0 (27.8)	0.921
53.4 (11.9)	1.594	60.6 (15.9)	1.376	67.8 (19.9)	1.193	75.0 (23.9)	1.038	82.2 (27.9)	0.918
53.6 (12.0)	1.588	60.8 (16.0)	1.371	68.0 (20.0)	1.189	75.2 (24.0)	1.035	82.4 (28.0)	0.915
53.8 (12.1)	1.582	61.0 (16.1)	1.366	68.2 (20.1)	1.185	75.4 (24.1)	1.031	82.6 (28.1)	0.913
54.0 (12.2)	1.576	61.2 (16.2)	1.361	68.4 (20.2)	1.180	75.6 (24.2)	1.028	82.8 (28.2)	0.910
54.1 (12.3)	1.570	61.3 (16.3)	1.356	68.5 (20.3)	1.176	75.7 (24.3)	1.024	82.9 (28.3)	0.908
54.3 (12.4)	1.564	61.5 (16.4)	1.351	68.7 (20.4)	1.172	75.9 (24.4)	1.021	83.1 (28.4)	0.905
54.5 (12.5)	1.558	61.7 (16.5)	1.347	68.9 (20.5)	1.168	76.1 (24.5)	1.017	83.3 (28.5)	0.902
54.7 (12.6)	1.553	61.9 (16.6)	1.342	69.1 (20.6)	1.164	76.3 (24.6)	1.014	83.5 (28.6)	0.900
54.9 (12.7)	1.547	62.1 (16.7)	1.337	69.3 (20.7)	1.160	76.5 (24.7)	1.010	83.7 (28.7)	0.897
55.0 (12.8)	1.541	62.2 (16.8)	1.332	69.4 (20.8)	1.156	76.6 (24.8)	1.007	83.8 (28.8)	0.894
55.2 (12.9)	1.536	62.4 (16.9)	1.327	69.6 (20.9)	1.152	76.8 (24.9)	1.003	84.0 (28.9)	0.892
55.4 (13.0)	1.530	62.6 (17.0)	1.323	69.8 (21.0)	1.148	77.0 (25.0)	1.000	84.2 (29.0)	0.889
55.6 (13.1)	1.524	62.8 (17.1)	1.318	70.0 (21.1)	1.144	77.2 (25.1)	0.997	84.4 (29.1)	0.887
55.8 (13.2)	1.519	63.0 (17.2)	1.313	70.2 (21.2)	1.140	77.4 (25.2)	0.994	84.6 (29.2)	0.884
55.9 (13.3)	1.513	63.1 (17.3)	1.308	70.3 (21.3)	1.136	77.5 (25.3)	0.991	84.7 (29.3)	0.882
56.1 (13.4)	1.508	63.3 (17.4)	1.304	70.5 (21.4)	1.132	77.7 (25.4)	0.988	84.9 (29.4)	0.879
56.3 (13.5)	1.502	63.5 (17.5)	1.299	70.7 (21.5)	1.128	77.9 (25.5)	0.985	85.1 (29.5)	0.877
56.5 (13.6)	1.496	63.7 (17.6)	1.294	70.9 (21.6)	1.124	78.1 (25.6)	0.982	85.3 (29.6)	0.874
56.7 (13.7)	1.491	63.9 (17.7)	1.290	71.1 (21.7)	1.120	78.3 (25.7)	0.979	85.5 (29.7)	0.871
56.8 (13.8)	1.486	64.0 (17.8)	1.285	71.2 (21.8)	1.116	78.4 (25.8)	0.977	85.6 (29.8)	0.869
57.0 (13.9)	1.480	64.2 (17.9)	1.281	71.4 (21.9)	1.112	78.6 (25.9)	0.974	85.8 (29.9)	0.866

°F = (°C × 9/5) + 32

Corrected Flow Rate = (Measured Flow Rate) \* (TCF @ Feed Water Temp.)



# Ozmosis

## Commercial Reverse Osmosis Water System Limited Warranty

Congratulations! You have purchased one of the finest reverse osmosis water systems available! In the unlikely event of a problem due to defects in material and workmanship, we proudly warranty our reverse osmosis water system to the original owner, at the original installation location, when installed within recommended parameters from the date of original installation as follows:

**For a period of ONE YEAR: The entire reverse osmosis water system, with the exception of the expendable filter cartridges and membranes used in the system.**

**ALL SYSTEMS MUST BE REGISTERED AT THE TIME OF INSTALLATION BY GOING TO: [www.coastalwaterfilters.com/product-registration](http://www.coastalwaterfilters.com/product-registration) and filling out the required information.**

Any part found defective within the terms of this warranty will be repaired or replaced by the dealer at the manufacturer's discretion. You pay only freight from our factory and local dealer charges. To obtain local warranty service, contact your original dealer. If original dealer is unknown, contact Coastal Water Filters for authorized service dealer in your area. If no authorized dealer is located in your area, please obtain a Return Merchandise Authorization (RMA) by contacting customer service at +1-239-398-7651 and then ship the defective part or component freight prepaid to:

Coastal Water Filters,  
Inc. 435 23rd St. NW  
Naples, Florida 34120

Coastal Water Filters, at its discretion, will repair or replace the part or component at its expense and return part freight collect.

Our product performance specifications are furnished with each system. The above provisions of the warranty are valid as long as the system is connected in compliance with local plumbing codes and in an equivalent manner and condition of the original installation and is owned by the original owner. We do not know the characteristics of your water supply or the purpose for which you are purchasing this system. Please understand that the quality of water supplies may vary seasonally or over a period of time, and that your water usage rate may vary as well.

This warranty does not cover damages due to accident, fire, flood, freezing, or any other Act of God. CWF is not responsible for damages due to change in water conditions, misapplication, misuse, neglect, vacuum, oxidizing agents, alteration, or lack of maintenance. No responsibility is assumed for loss of use of the system, inconvenience, loss or damage to real or personal property or any incidental or consequential damages. Furthermore, we assume no liability and extend no warranties, express or implied, for the use of this product with a non-potable water source.

**To the extent permitted by law, CWF disclaims all implied warranties, including without limitation warranties of merchantability and fitness for particular purpose; to the extent required by law, any such implied warranties are limited in duration to the aforementioned period specified above.**

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





# Ozmosis Comercial RO

MODEL #: \_\_\_\_\_

SERIAL #: \_\_\_\_\_

PUMP SERIAL #: \_\_\_\_\_

HP: \_\_\_\_\_ VOLT: \_\_\_\_\_

DATE: \_\_\_\_\_



**COASTAL WATER FILTERS**  
WHOLESALE ONLY



## Ozmosis

Manufactured by:  
Coastal Water Filters, Inc  
435 23rd St. NW  
Naples, FL 34120  
Phone: 239-398-0967  
E-mail: [info@coastalwaterfilters.com](mailto:info@coastalwaterfilters.com)

