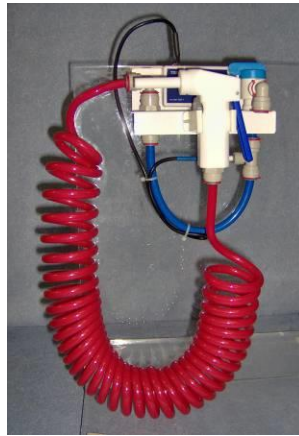




User's Guide for DWSP-406
DOMINATOR COMPLETE Dental Water Supply
With Obliterator Waterline Purge System



DOMINATOR COMPLETE (DWSP-406)

INSTALLATION, OPERATION & SERVICE MANUAL



Question or comments? Contact O-SO Pure at (800) OSO-PURE or support@osopure.com.

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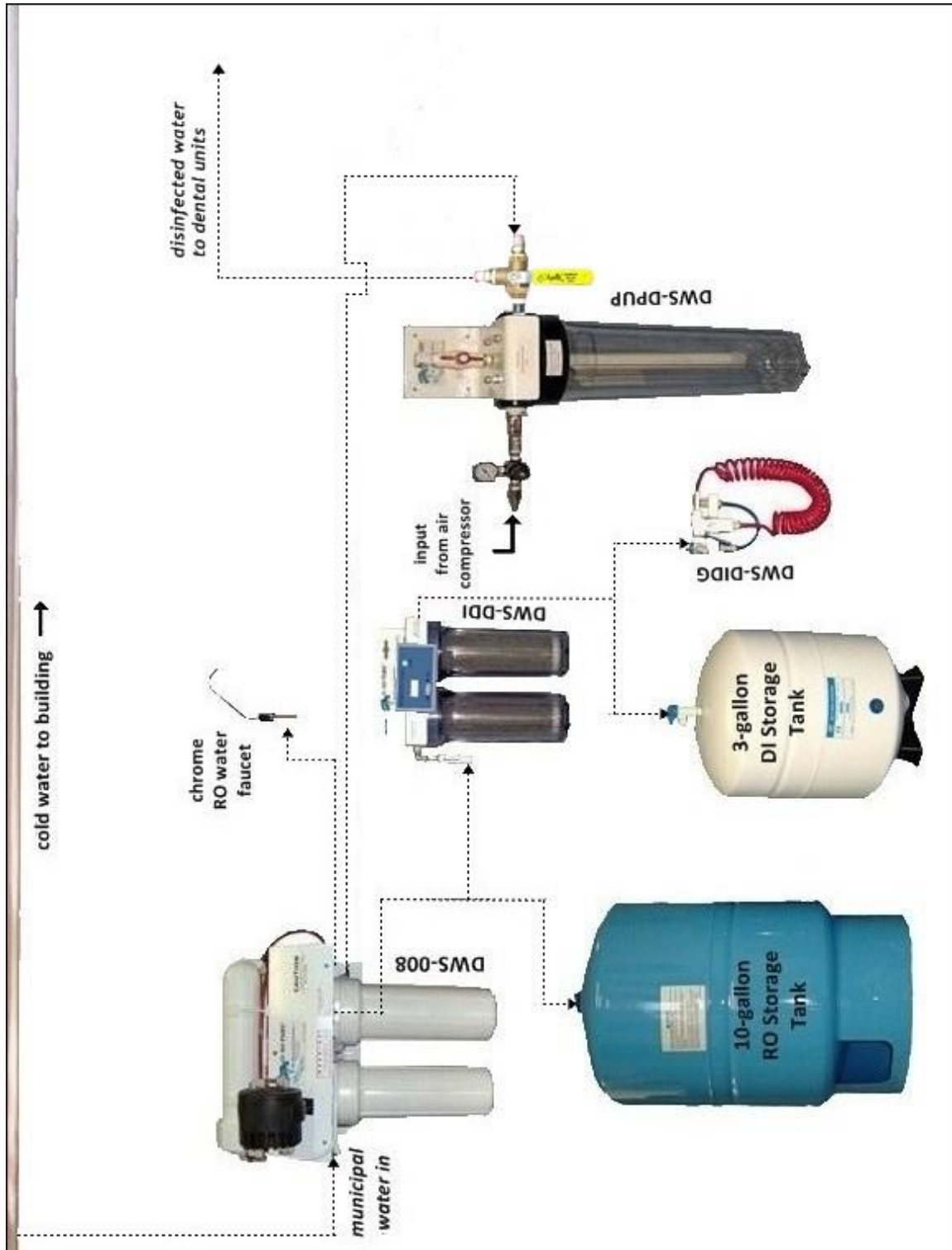
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Plumbing Diagram Overview



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Installing the DOMINATOR COMPLETE components

Installing the individual components

Before you begin

1. The main components to identify include:
 - the DWS-008 and its associated RO Storage Tank and CHROME faucet.
 - the DWS-DDI and its associated DI Storage Tank.
 - the DWS-DIDG remote bracket coiled hose DI dispensing gun.
 - the Installation Kit, a plastic bag of parts required for installation.
 - the DWS-DPUP and its associated components.
2. Some fittings have a RED locking clip in place. These clips **MUST** be removed before installing the tubing and must be re-installed after the new length of tubing is put into place. Please refer to the attached John Guest Super Speedfit instruction sheet.

Locate the DWS-008

3. Mount the DWS-008 back panel on a wall that will provide access to change the filters.
4. Place the RO storage tank close to the DWS-008.

Install plumbing modifications

5. Turn OFF the cold water supply **BEFORE** installing the angle stop valve.
6. Install the angle stop valve using the installation instructions (*see photo on page 15*). Leave the angle stop valve in the CLOSED position.
7. Install the drain line adapter. (*see photo on page 15*)

Connect the DWS-008 to plumbing

8. Connect the DWS-008's RED ¼" tube to the water inlet on the angle stop valve. Tube is to be cut to length following the instruction diagram for plastic tubing connections. (*see photo on page 14*)
9. Connect the DWS-008 to the RO Storage Tank using the DWS-008's tube marked "pure water to tank". This tube will be BLUE if 3/8".
10. Connect the supplied BLUE 3/8" tube length from the CHROME RO faucet to the 3/8" output fitting on the right side of the DWS-008 and cut to required length (*see photos on page 16*)
11. Turn the DWS-008's power switch to the OFF position. Plug the DWS-008's power cord into a customer-provided 120 VAC – 60 HZ power source.



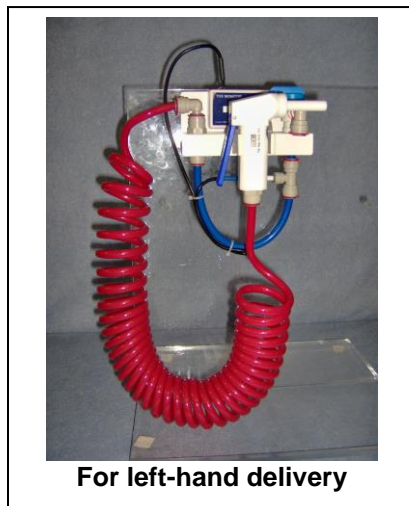
Install the DWS-DDI

12. Take a moment to decide where to best mount the DWS-DDI and where the DWS-DIDG will be installed. Be sure to provide enough space to service filter cartridges in the DWS-DDI filter housings.
13. Attach the second WHITE ¼" tube from the DWS-008's tank tee to the WATER INPUT connector of the DWS-DDI. *(see photo on page 16)*
14. Run a new length of 3/8" BLUE tube from the John Guest output divider (or 'Y') fitting on the DWS-DDI output (either of the two unoccupied holes is acceptable) to the DWS-DIDG after cutting the tube to proper length.
15. Run a new length of 3/8" BLUE tube from the remaining unoccupied hole of the DWS-DDI's output divider (or 'Y') fitting to the top of the DI Storage Tank.

Install the DWS-DIDG

***NOTE:** *Since the distance from the unit supplying D.I. water out to the Remote D.I. Dispensing Bracket will be a different length unique to the practice which this equipment will be installed in, the plumber or installer must provide 3/8" tubing from the DI unit's water OUTPUT to the INPUT of the DWS-DIDG.*

***NOTE:** When installing on the inside of a cabinet door, this bracket may be configured for left **or** right side delivery so that it can be installed in the left or right side of a cabinet without inhibiting the coiled hose and gun due to its placement. *(see the two images below)*. The following instructions are for a **right-hand or right side** delivery install.



For left-hand delivery

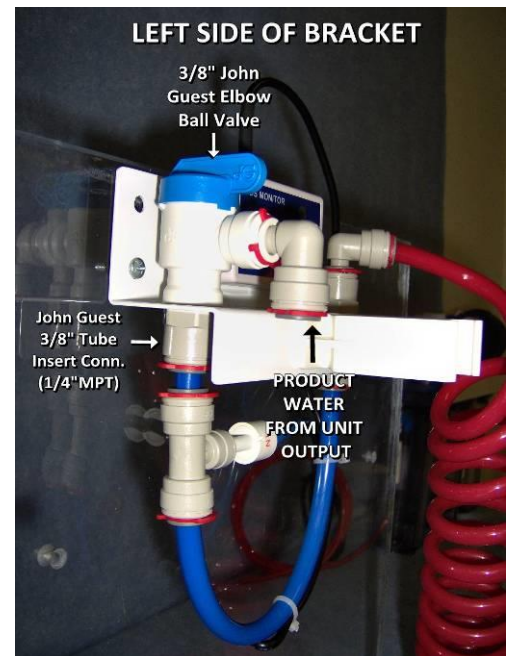
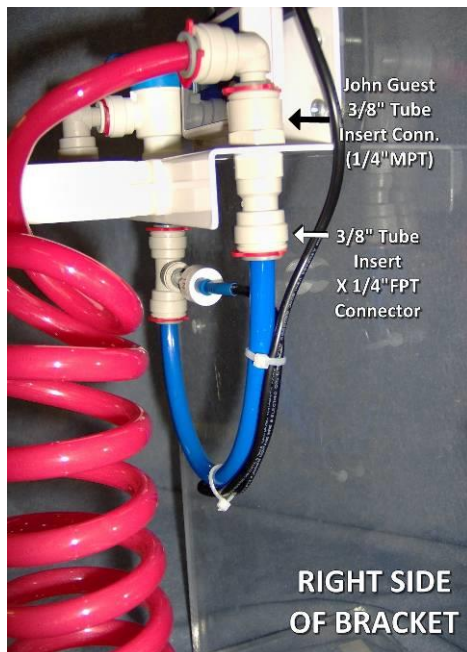


For right-hand delivery

1. Find the preferred location of Remote D.I. Dispensing Bracket, taking into account for the amount of reach required for the coiled hose to your sterilization equipment, as well as the amount of sag the coiled hose will have when holstered.



2. Hold the empty bracket up to the desired mounting location and use the mounting holes to mark where you want to mount the bracket.
3. Install wall anchors and bolt the bracket to the chosen mounting location.
4. Place the **John Guest 3/8" elbow ball valve** on top of the bracket on the outside hole of the **LEFT SIDE*** and screw in one of the **John Guest 3/8" tube insert x 1/4"mpt connectors** into it through the bottom of the bracket (*see image at right*). Tighten the two fittings together using a 13/16" deep-well socket on the connector side.

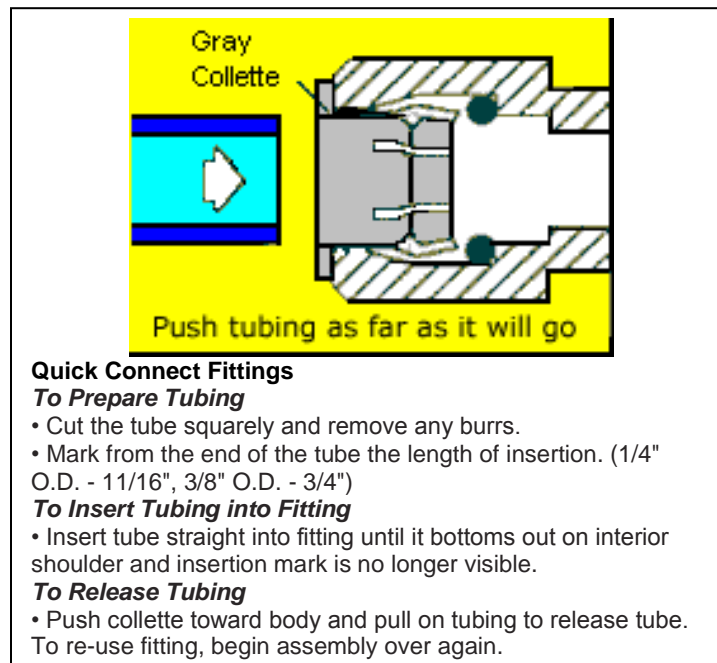


5. On the bracket's **RIGHT SIDE***, push the other **John Guest 3/8" tube insert x 1/4"mpt connector** fitting through the outside hole on top of the bracket and screw and tighten it into the **John Guest 3/8" tube insert x 1/4"ft connector** on the bottom. To

- tighten, use an 11/16" open-end wrench on the bottom fitting and a 13/16" deep-well socket on the top one (*see image at left*).
6. Mount the DI Dispensing Gun plastic holster clip to the front lip of the bracket using the 8/32" x 1/2" machine screw, flat-washer and 8/32" nut provided.
 7. Insert the interconnecting 3/8" blue tube plumbing assembly as shown in the two photos on this page. Make sure the end with the tee on it is inserted into the connector on the bottom of the **LEFT SIDE*** of the bracket. Insert the other end into bottom fitting on the **RIGHT SIDE***.
 8. Insert the 3/8" John Guest push-in elbow attached to the Coiled Hose Assembly into the 3/8" fitting on top of the **RIGHT SIDE*** of bracket (*as shown in photo @ left on previous page*).
 9. Insert the 3/8" blue tubing coming from the O-SO PURE unit's output to the John Guest elbow marked '**PRODUCT WATER FROM UNIT OUTPUT**' in the photo above.



10. Turn the **John Guest 3/8" elbow ball valve** to the '**OFF**' position until ready to dispense D.I. water.
11. Find the TDS monitor and insert its single probe into the open 1/4" port on the John Guest Tee located underneath the remote bracket.
12. Remove the backing from the Velcro strips on the back of the TDS monitor and secure monitor to the back of the remote bracket or other preferred location nearby with a smooth surface.
13. Use the supplied zip ties to dress the cable coming from the probe up to the monitor. (see photo titled *RIGHT SIDE OF BRACKET* on previous page).
14. Install 3/8" John Guest Red Clips to all John Guest fittings to ensure that proper seal will be maintained.





Install the DWS-DPUP

Before you begin

16. The main components to identify include the following:
- the Biofilm Obliterator (**DWS-DPUP**).
 - the **Installation Kit**, which contains:
 - 1) Spanner Wrench; 1) Blue Funnel; 1) Copper 3-Way Ball Valve Subassembly; 1) Brass Compressed-Air Subassembly; 1) Quick-Disconnect Air Hose for Valve 'A'.

Locate and Mount the Biofilm Obliterator (DWS-DPUP)

17. Locate the desired location where the Obliterator is to be installed. Many practices install the Obliterator in the equipment room; wherever you choose to mount the unit, you **must** allow for the following clearances around the unit:

- a minimum of **18"** both above and below the unit.
- a minimum of **6"** to both the left and the right sides of the unit (with both subassemblies attached).

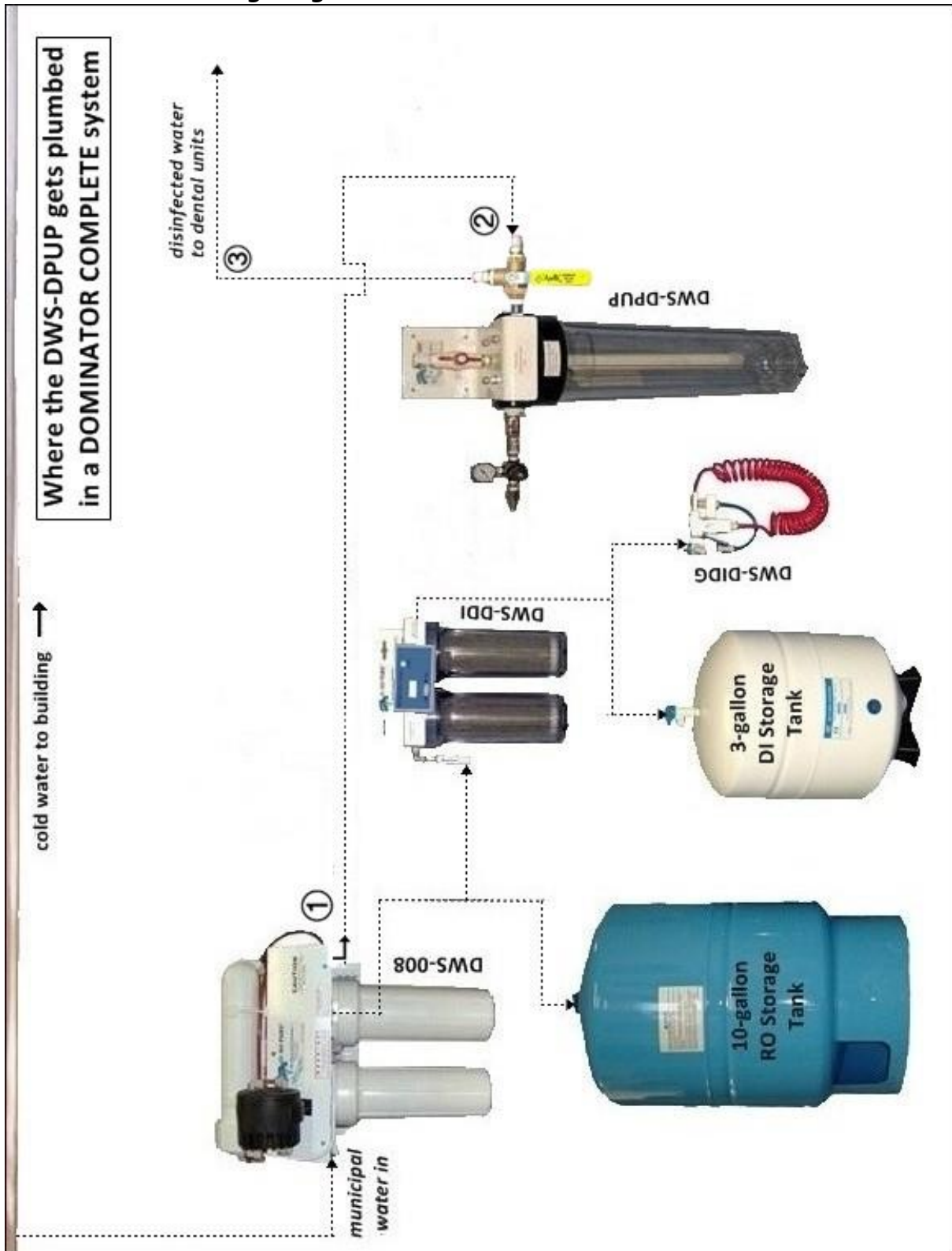
Plumb the Obliterator

**(use the plumbing diagram on page 9 in reference to these instructions)*

18. run a new length of 3/8" BLUE tube from the OUTPUT line of the DWS-008 from point ① on the diagram to point ②, the INPUT side of the three-way valve.
19. from point ③, plumb the OUTPUT side of the 3-way valve to the primary waterline running out to the operatories. *(to be provided by installer or plumber)

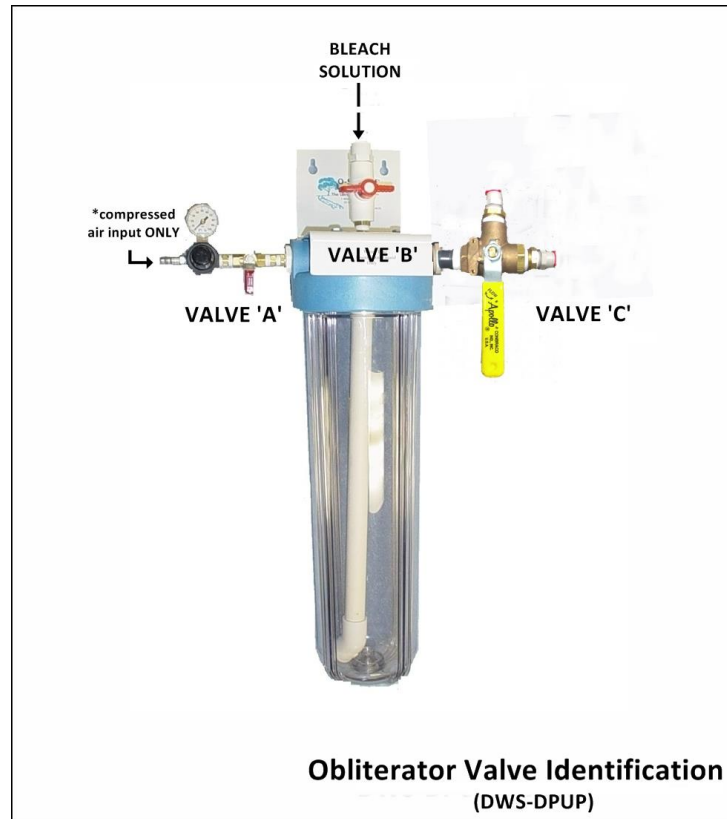


Obliterator Plumbing Diagram



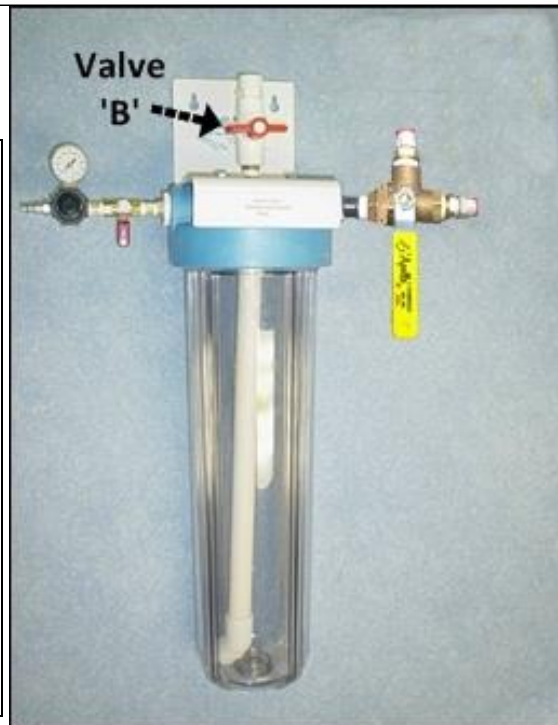
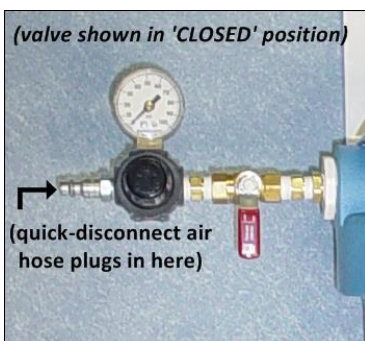


Unit Valve Identification & Functions



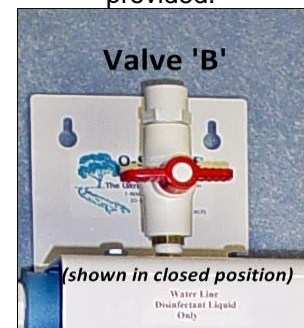
VALVE 'A'

This is the open/close input valve for the practice's air compressor.



VALVE 'B'

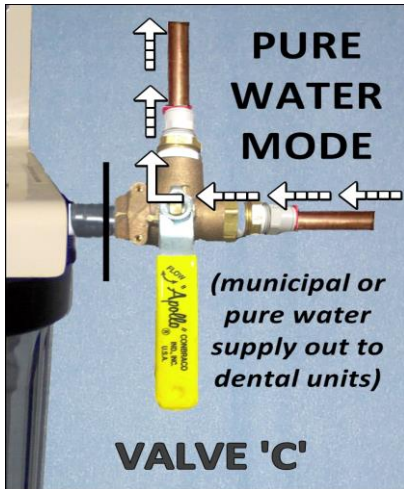
This valve is the port where bleach solution is manually poured into the 20" clear housing, using the blue funnel provided.





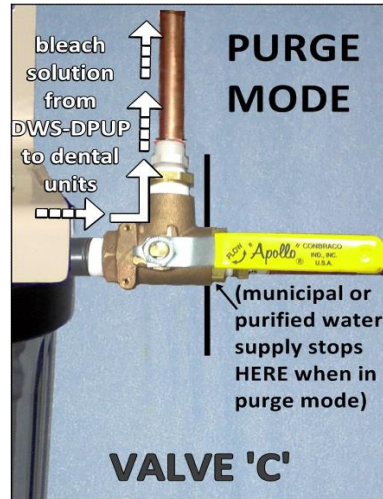
Unit Valve Identification & Functions (cont.)

VALVE 'C' (PURE WATER MODE)



When in **PURE WATER MODE** pure water is being sent from the O-SO PURE system out to the operatories. In this mode, the DPUP is isolated from the waterlines altogether.

VALVE 'C' (PURGE MODE)



When in **PURGE MODE**, the O-SO PURE system is isolated from the waterlines, and disinfection fluid from the DPUP can flow from the unit out to the operatories.

INDIVIDUAL COMPONENT STARTUP PROCEDURE

DWS-008 Startup

20. Turn **ON** the RO Storage Tank's valve (located on top or bottom of the tank).
21. Turn **OFF** the DI Storage Tank's valve (located on top or bottom of the tank).
22. Turn the power switch to the ON position. The AMBER lens should be glowing, which indicates a "LAMP-ON" condition.
23. Turn on the cold water supply and turn the saddle valve to the ON position.
24. Check the DWS-008, DWS-DDI and their respective tanks for leaks.
25. Allow the RO Storage Tank to fill. (2-3 hours for a 4 gallon tank, 5-6 for a 10 gallon tank, 6-7 hours for a 14 gallon tank).

Initial Flush

26. The first tank must be flushed as it contains residue from new filters.
27. Turn OFF the water supply to the DWS-008 by turning the saddle valve to the OFF position.
28. Using the DI dispensing gun, allow 1 gallon of water to flush down the drain. Water flows through the DWS-DDI at the rate of one gallon in 5 minutes. There will likely be a bit of sputtering as air is expelled from the DWS-DDI. Close the RED faucet.

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29. Open the CHROME faucet and allow the remainder of the water to flush from the DWS-008. Close the CHROME faucet.

DWS-DDI Startup

30. Remove and dump the water from the DWS-DDI's clear filter housings and install the two DI filters. Make sure the housings are snug but do not over tighten.
31. Turn **ON** the valve located on top of the DI Storage Tank.
32. Turn ON the water supply to the DWS-008 by turning the saddle valve to the ON position.
33. Allow both water storage tanks to fill.
34. Open the RED faucet and allow 1 gallon of water to flush down the drain. There will likely be a bit of sputtering as air is expelled from the DWS-DDI. This time the flow should be faster as it is fed directly by the DI Storage Tank. Close the RED faucet.

Test water with the autoclave

35. The deionized water produced by the DWS-DDI should be at an acceptable TDS level for use with autoclaves. Test this by using water from the DWS-DIDG to run the autoclave through a cycle. If the autoclave rejects the water, an additional flush of the DWS-008 will be necessary. Empty the DWS-DDI's water by opening the DWS-DIDG and repeat these instructions beginning at **DWS-008 Startup**.

DWS-DPUP Startup

After installation of the Obliterator is complete, an initial disinfection purge of the waterlines should be performed (*see the **'OBLITERATOR DISINFECTION PROTOCOL'** on the following page for instructions on how to perform a purge of the dental waterlines*).



OBLITERATOR DISINFECTION PROTOCOL

REMOVE WATER FROM ATTACHED PLUMBING USING COMPRESSED AIR

- Turn Valve 'C' to **PURGE MODE** (horizontal position) to open up the Obliterator to the dental waterlines. A little water may drain into the Obliterator's clear housing while you are turning the handle.
- Close Valve 'B' (horizontal position).
- If not already in place, connect supplied red air hose to input of Valve 'A'. Open Valve 'A' (horizontal position).
- Use the air pressure from the compressor (40 lbs.) to purge all water from the waterlines, starting by opening the hand-piece, valve or faucet furthest away from the Obliterator. Do this with every hand-piece, valve or faucet, working your way back to the Obliterator. All connected plumbing should be free of water now. When finished, close Valve 'A' (vertical position).

FILL ATTACHED PLUMBING WITH DISINFECTANT

- Open Valve 'B' (vertical position). Insert the blue funnel into the liquid fill port at the top of the valve. Fill the Obliterator's clear sump with 1-1/2 gallons/6 liters of disinfectant. If you are mixing a bleach solution, pour in 2 cups of 6% bleach and fill the remainder of the sump with tap water. Close Valve 'B' (horizontal position).
- Open Valve 'A'. Much like before, open up the farthest hand-piece, valve, or faucet away from the Obliterator and allow the disinfectant to flow. When the disinfectant appears, close the hand-piece, valve or faucet and move on to the next closest one to the Obliterator, repeating this process until there is disinfectant at each hand-piece, valve or faucet.
- Contact time: Follow the disinfectant manufacturer's recommendation. If using bleach solution, allow to stand in the waterlines overnight, at least 8 hours.
- Close Valve 'A'.

REMOVE DISINFECTANT FROM ATTACHED PLUMBING USING COMPRESSED AIR

- Open Valve 'A'.
- Use the air pressure from the compressor (40 lbs.) to purge disinfectant from the waterlines, starting by opening the hand-piece, valve or faucet furthest away from the Obliterator. Do this with every hand-piece, valve or faucet, working your way back to the Obliterator. All connected plumbing should be free of disinfectant now. When finished, close Valve 'A' (vertical position).
- Turn Valve 'C' to **PURE WATER MODE** (vertical position).
- For the last time, open up the farthest hand-piece, valve, or faucet furthest to the Obliterator and allow pure water to flow. *Be certain to allow the pure water to run long enough to ensure that ALL of the disinfectant has been flushed from the lines.* Repeat for each hand-piece, valve or faucet.



Valve A-
(compressed air only)



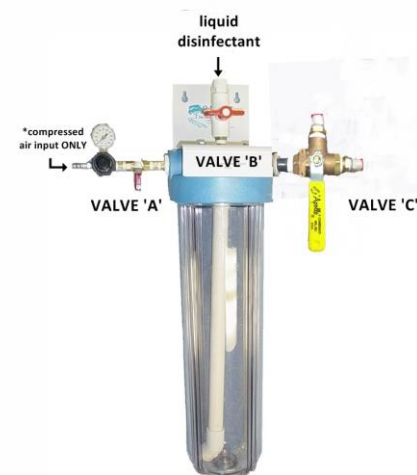
Valve A
(connect air hose)



Valve C- PURE WATER
MODE
(pure water to operatories)



Valve C- PURGE MODE
(DPUP to operatories)



Obliterator Valve Identification
(DWS-DPUP)



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**NOTE: TURN OFF THE
WATER LINE SUPPLY
PRIOR TO INSTALLING
UNIT!**

ON/OFF SWITCH

**120V AC
POWER CORD**



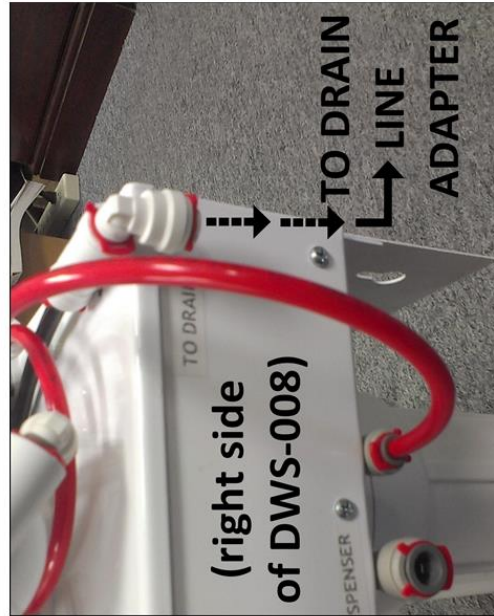
60 PSI PRESSURE
REGULATOR

**CITY WATER INPUT
INTO RO WATER
UNIT**

NOTE: A 60 PSI pressure regulator has been added in front of the 1/4" check valve on the RED Water Input to protect the unit from water hammer or other pressure-related issues.



ANGLE STOP VALVE & DRAIN LINE ADAPTER INSTRUCTIONS



INSTALLING DRAIN LINE ADAPTER

*Install drain line adapter to either 'S' trap below a sink, or on a standpipe drain in the equipment room



*black 1/4" tubing from elbow on right side of DWS-008 (see above photo) plumbs to the drain line adapter.



The Push-fit solution for Plumbing and Heating Systems

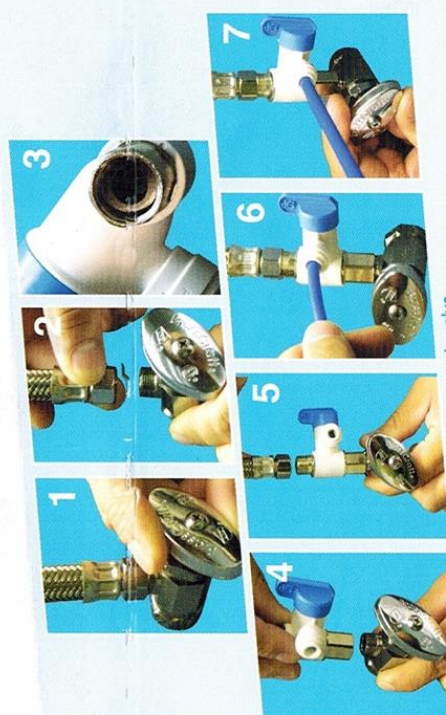
ANGLE STOP VALVE (ASVPP1 & ASVPP2)

Installation User Instructions

Introduction. The John Guest Angle Stop Valve connects between the supply valve and riser, to the main water supply line, for applications in Reverse Osmosis, Filtration Systems, Automatic Coffee Brewers, Ice-makers, and many more.

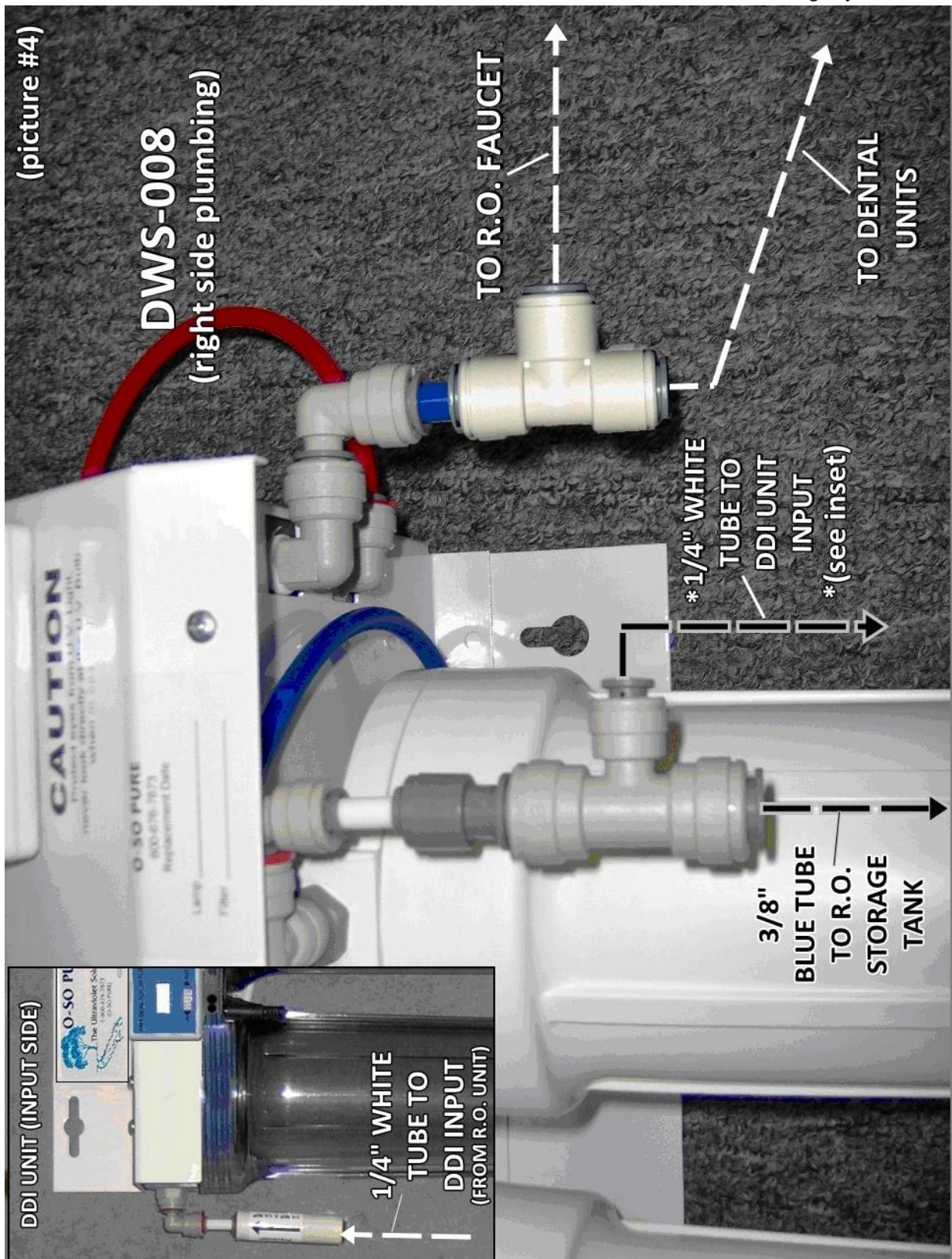
Please read these instructions carefully before installing this product.

Please refer to the John Guest Speedfit Installation Guide and Technical Check List for all other information or visit our website at www.johnguest.com.



1. Shut off water supply at brass/chrome supply valve.
2. Disconnect riser from brass/chrome supply valve.
3. Ensure that the sealing gasket is fully seated into the Angle Stop Valve female thread.
4. Install Angle Stop Adapter Valve on supply valve.
5. Connect the riser to the Angle Stop Adapter Valve.
6. Fully insert tubing into the Speedfit side of the valve.
7. Open valves and check for leaks.









WARRANTY

Congratulations on your purchase of the **O-SO PURE** dental water system.

O-SO PURE 1-YEAR LIMITED WARRANTY

For the following systems: (DWS-008, DWS-DDI, DWS-POE, DWS-SADI, DWS-HERO)
O-SO PURE warrants this device to be free from defects in workmanship and material under normal usage and service from date of purchase as follows: All components are warranted for a period of (1) year, with the following exceptions:

- ❖ Filters
- ❖ UV lamp

This Warranty excludes damages that, in the opinion of O-SO PURE, have been caused by improper installation, alteration, misuse, accident or negligence. Repairs must be performed by an O-SO PURE authorized agent with parts obtained from O-SO PURE.

O-SO PURE will not warrant component parts supplied by manufacturers who provide separate warranties for their merchandise. However, O-SO PURE will contact the representative manufacturer on your behalf.

O-SO PURE reserves the right to make revisions to the design or manufacturing of this model without obligation to owners of this product.

O-SO PURE will not be liable to perform its obligations under this Warranty if such obligations result from:

1. Improper installation or unauthorized alteration.
2. Misuse or negligence.
3. Accident or excessive wear..
4. Damage or use with any products not intended for its use.
5. Exposure to the elements, including: direct sunlight, excessive heat, freezing temperatures, humidity or rainfall.
6. Are the result of, but not limited to, acts of God, labor disputes, transportation strikes, or any conditions beyond control of **O-SO PURE**.

If a defect in material or workmanship is discovered within the warranty period, O-SO PURE's sole obligation will be to repair or replace, at its election, the unit **FREE OF CHARGE** on receipt of the unit (charges pre-paid if mailed or shipped) with proof of date of purchase satisfactory to O-SO PURE at the following address:

O-SO PURE
2323 W Mescal St, Suite 204
Phoenix, AZ 85029

****IMPORTANT: It is recommended that you replace all filters once a year and the UV lamp once a year (if applicable) to insure proper treatment of drinking water. O-SO PURE will not guarantee a kill rate above 80% without properly maintaining your filters and UV lamp. Failure to change UV lamp and filters WILL void the manufacturer warranty, or if filters or UV lamps are purchased from another source other than O-SO PURE, ANY and ALL CLAIMS WILL NOT BE BACKED BY THE MANUFACTURER. Should the UV Water System fail due to use of incorrect filtration or UV lamp, O-SO PURE WILL NOT BE HELD RESPONSIBLE OR HELD LIABLE.**

DATE OF PURCHASE: _____ SERIAL NUMBER _____

Question or comments? Contact O-SO Pure at (800) OSO-PURE or support@osopure.com.

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Certificate of Referral

Please let your professional network know how this system assists in your practice. Give them a copy of this page and they will receive a \$50 rebate on the purchase of an eligible O-SO Pure system. We'll send you a \$25 referral fee when they purchase using this certificate.

This certificate entitles the holder to a \$50 rebate on the purchase of an O-SO Pure water system.

Purchaser Info

Referring Party Info

Name _____ Name: _____

Practice Name: _____ Practice Name: _____

Address: _____ Address: _____

City/State/Zip: _____ City/State/Zip: _____

Email: _____ Email: _____

Phone: _____ Phone: _____

Redemption Instructions & Restrictions

- **Purchaser**
 - Fill out the Purchaser information above. This also registers you for making future referrals. We will contact you for your SSN/TIN.
 - Present this certificate to your dealer at time of order. Rebate will not be applied retroactively.
 - Only one (1) certificate may be redeemed per eligible O-So Pure water system.
- **Dealer**
 - Dealer and dealer employees are not eligible for referral fee.
 - When submitting your purchase order to O-SO Pure
 - include an image of this certificate, clearly showing the purchaser information
 - rebate will be sent by O-So Pure directly to the purchaser identified above.
 - Certificate must be accompanied by a purchase order..
- **Referring party**
 - One (1) referral fee will be paid per eligible O-SO Pure water system.
 - Referring party must own O-SO Pure equipment.
 - To register,
 - FAX this sheet with Referring Party Information filled out.
 - email address is required for communication.
 - O-SO Pure will email IRS form W-9 to be completed and submitted.
 - 1099 will be issued according to IRS rules in effect.
 - O-SO Pure reserves the right to determine form of disbursement (e.g. check, cash, gift card).
 - Disbursements will be distributed quarterly, after receipt of payment from the dealer.
 - Should the purchaser return the water system for a refund, O-SO Pure reserves the right to deduct the referral fee from future disbursements.

Disclaimer

O-SO Pure reserves the right to modify or discontinue this program upon notification to registered referring parties. Such notification will occur via referring party's email address. Referring party shall keep O-SO Pure informed of registration information changes at support@osopure.com. Be sure to include the unique serial # on this page. Referring party is responsible for monitoring email address on file including SPAM filter settings.

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