Redwood Package
Instructions
and Parts Glossary

For a digital version, please visit
www.promolife.com/rwguide

EQUIPMENT

O3Elite Single Ozone Generator

A1 (if selected)

O3Arc Ozone Generator

A2 (if selected)

Industrial Oxygen Tank

B-1

Optional, included if ordered

Medical Oxygen Tank

B-2

Optional, included if ordered

Industrial O2 Tank Regulator

C-1

Medical O2 Tank Regulator

C-2

Only the regulator chosen during purchase is included.

If you have trouble getting access to high quality oxygen, we have prefilled tanks available as an option.

ACCESSORIES

200ml Insufflation Syringe

D

Ozone Earscope

E

Water Bubbler/Humidifier

F

Insufflation Bag x 3

G

Ozone Destruct System

H

2" Ozone Cupping Funnel

I

Insufflation Catheter x 10
Rectal & Vaginal

J

TUBING AND CONNECTORS

Oxygen Tubing 5’

K

Ozone Tubing 5’

L

Ozone Tubing 2’

M

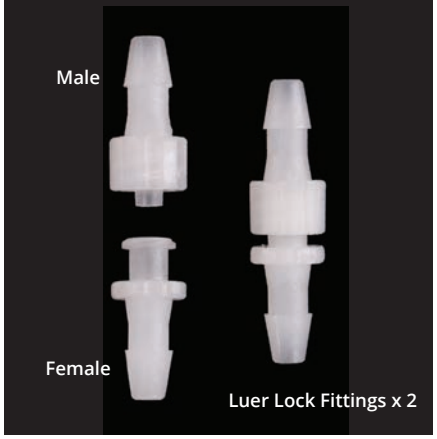
Ozone Tubing 3’

N

Tubing w/Check Valve

O

Fittings and Connectors



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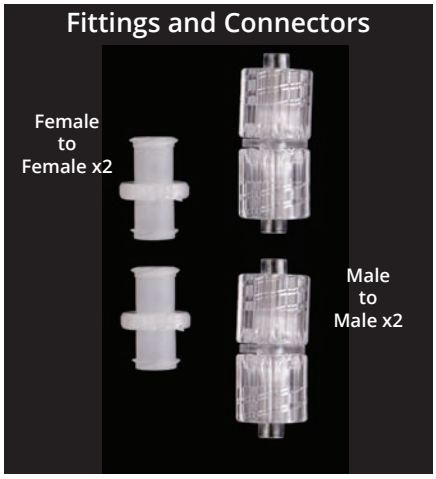
Fittings and Connectors



P (continued)

Ozone Line Filter

Q

NOTES

1. Extra Luer Lock Fittings are included in case one needs to be replaced or you need to connect cut pieces of tubing.

2. Female to Female connectors can be used to connect two male Luer Locks together or to connect the insufflation bag to the earscope or the insufflation bag to the cupping funnel.

3. Male to Male connectors can be used to connect two female connectors together.

4. The ozone line filter is included for advanced ozone therapy uses. The filter is intended to be used with a syringe.

SETTING UP YOUR OXYGEN TANK

540 Industrial (shown with parts B-1 and C-1)

870 Medical (shown with parts B-2 and C-2)

1. Attach the oxygen regulator (industrial or medical) to your oxygen tank as shown.

2. Connect the end of tubing (K) without the fitting to the barbed fitting on the oxygen tank regulator.

3. Connect the other end of the tubing with the fitting to the Oxygen IN port on the ozone generator.

If using an O3Arc, the Oxygen In port is on the left side of the unit.

IMPORTANT instructions on use and lengthening the life of your regulator:

1. **For 540 (industrial) regulator**: To connect, it is important to insert the regulator into the valve connection of the cylinder at a perpendicular angle before tightening the nut. You can hand-tighten the nut initially, but the last ¼ to ½ turn needs to be wrench-tightened.

For **870 (medical) regulator**: To connect, simply use the two guide pegs to align and then tighten the T-handle of regulator.

2. Be sure the regulator is in the "off" position by rotating the knob counterclockwise to the "0" position.

3. For safety, be sure you are not directly in front of or behind the regulator when opening the cylinder valve until you are sure it is fully secured.

4. SLOWLY turn the cylinder valve on (counterclockwise) about one full turn.

5. If you can hear a hissing sound, there is a leak in the system. Turn the cylinder off and turn the regulator on to relieve any built-up pressure. Try tightening the regulator to the cylinder and opening the cylinder again. If this is an industrial (540) regulator, it is important to note that it does need to be wrench-tightened. If this does not help, shut the system down again and contact a service representative. NEVER attempt to repair a regulator or cylinder yourself.

6. Adjust the flow rate setting by truning the knob clockwise until the desired setting shows through the window on the regulator.

7. To turn off the system, close the cylinder valve, and wait for the oxygen to flow out of the regulator. At this point you should begin to see the gauge on the regulator decrease. To expedite this process, you can set the regulator to a whole number. Once the gauge has decreased, set the regulator dial back to "0".

8. NEVER try to remove the regulator unless the cylinder is off and pressure has been released.

9. If the cylinder pressure falls below 300 PSI, you should exchange the cylinder for a full one.

HOW TO USE THE INSUFFLATION BAG WITH NON-HUMIDIFIED OZONE

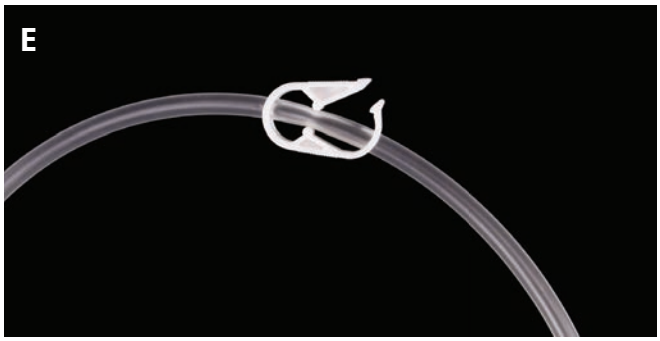
Before you start, make sure you have your oxygen source hooked up properly (see page 4). Make sure to familiarize yourself with the tubing and connectors (see page 3).

Attach the 3-foot segment of ozone tubing (N) to the Ozone Out of the ozone generator as shown above. You can now turn on the oxygen tank and regulator.

Turn on your ozone generator to the appropriate concentration (ex. oxygen flow 1/8LPM, ozone set to 4). Attach the insufflation bag (G) to the end of the 3-foot segment of ozone tubing. Make sure the clamp on the bag is in the open position (see figure E).

Once the bag is filled to the desired amount, disconnect from the ozone tubing and clamp the tubing as shown above. Make sure to turn off your ozone generator. If you won't be creating more ozone, turn off your oxygen tank as well.

Attach the catheter (J) to the insufflation bag.



Once the catheter is inserted rectally or vaginally, unclamp the tubing and begin your insufflation by slowly pushing on the bag.

Note: Once you have completed your insufflation, try to hold the ozone gas for five minutes. If you are doing a vaginal insufflation this way there is no need to hold the gas.

Note: If you plan to reuse the ozone catheter it is recommended to clean the ozone catheter. Simply rinse with soap and water and then use hydrogen peroxide to sterilize.

For a visual on how to do this, please watch our video on YouTube titled "A Visual Guide to Rectal Insufflation."

HOW TO USE THE OZONE CUPPING FUNNEL WITH NON-HUMIDIFIED OZONE

Before you start, make sure you have your oxygen source hooked up properly (see page 4). Make sure to familiarize yourself with the tubing and connectors (see page 3).

Attach the 5-foot segment of ozone tubing (L) to the Ozone Out of the ozone generator as shown above. You can now turn on the oxygen tank and regulator. (Tubing not shown to scale)

Attach the ozone cupping funnel (I) to the end of the 5-foot segment of tubing as shown. Turn on your ozone generator to the appropriate concentration (ex. oxygen flow 1/8LPM, ozone set to 4). You can now use the ozone cupping funnel. Average time is 5 to 10 minutes.

HOW TO USE THE OZONE EARSCOPE WITH NON-HUMIDIFIED OZONE

Before you start, make sure you have your oxygen source hooked up properly (see page 4). Make sure to familiarize yourself with the tubing and connectors (see page 3).

OPTION ONE

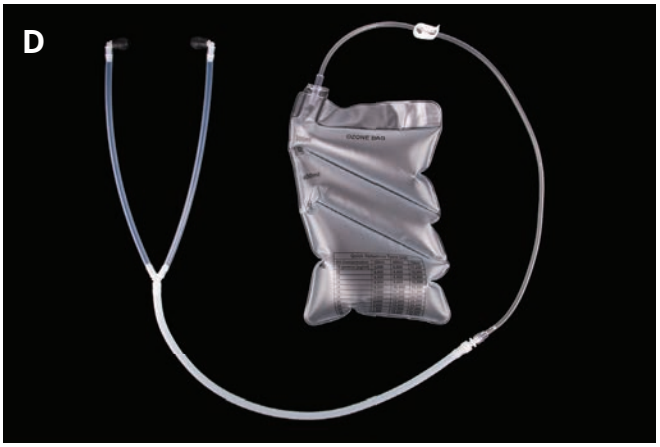
Attach the 5-foot segment of ozone tubing (L) to the Ozone Out of the ozone generator as shown above. You can now turn on the oxygen tank and regulator. (Tubing not shown to scale)

Attach the ozone earscope (E) to the end of the 5-foot segment of tubing as shown. Turn on your ozone generator to the appropriate concentration (ex. oxgyen flow 1/8LPM, ozone set to 4). You can now perform an ear insufflation. Average time is 5 minutes.

OPTION TWO

Follow the steps for filling the insufflation bag as shown on page 5. Once the bag is filled and disconnected from the ozone generator, you will use the female to female Luer connector (P) to attach the earscope to the bag as shown in the two photos above.

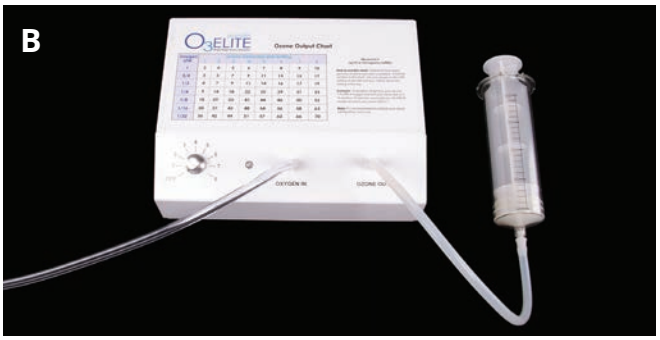
You can now begin an ear insufflation. Average time is 5 minutes.



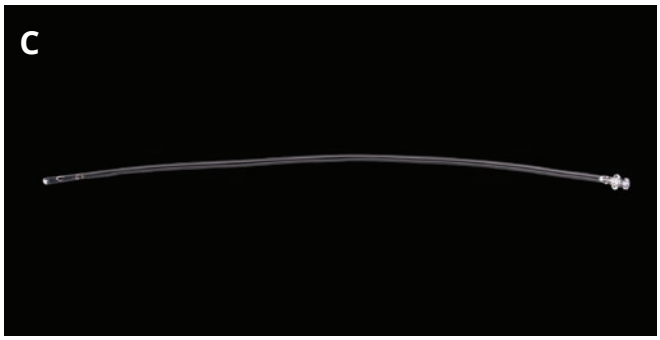
HOW TO USE THE INSUFFLATION SYRINGE WITH NON-HUMIDIFIED OZONE

Before you start, make sure you have your oxygen source hooked up properly (see page 4). Make sure to familiarize yourself with the tubing and connectors (see page 3).

Attach the 3-foot segment of ozone tubing (N) to the Ozone Out of the ozone generator as shown above. You can now turn on the oxygen tank and regulator.



Turn on the ozone generator to the appropriate concentration (ex. oxygen flow 1/8LPM, ozone set to 4). Attach the ozone syringe (D) to the end of the 3-foot segment of tubing. **Make sure the syringe is lightly lubricated** with coconut or a similar oil so it will fill easily.



Once the syringe is filled to the desired amount, disconnect from the ozone tubing and hold the syringe vertically so ozone will not escape. Turn off the ozone generator. If you will not be using more ozone, turn off the oxygen tank as well.

Attach the catheter (J) to the ozone syringe. You can now insert the catheter rectally or vaginally and begin your insufflation by slowly depressing the plunger on the syringe.

Note: Once you have completed your insufflation, try to hold the ozone gas for five minutes. If you are doing a vaginal insufflation this way there is no need to hold the gas.

Note: If you plan to reuse the ozone catheter it is recommended to clean the ozone catheter. Simply rinse with soap and water and then use hydrogen peroxide to sterilize.

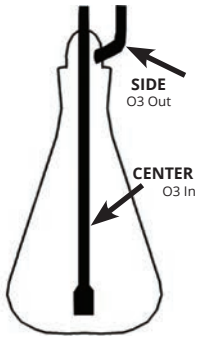
For a visual on how to do this, please watch our video on YouTube titled "A Visual Guide to Rectal Insufflation."

HOW TO SETUP THE WATER BUBBLER/ HUMIDIFIER COMBO

This will allow you to make ozonated water or humidify ozone. Before you start, make sure you have your oxygen source hooked up properly (see page 4). Make sure to familiarize yourself with the tubing and connectors (see page 3). *Shown using 500ml Water Bubbler. Your 1000ml Bubbler does not come with a stand.*

Attach the 3-foot segment of ozone tubing (N) to the Ozone Out of the ozone generator as shown above.

Attach the tubing with check valve (O) to the end of the 3-foot segment of tubing.

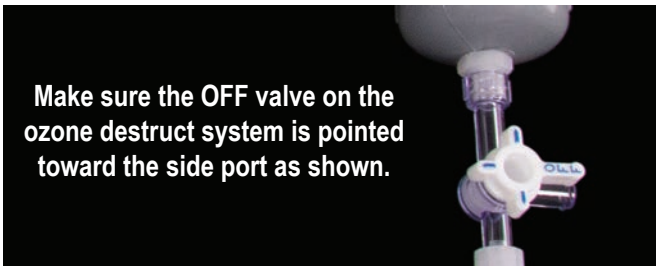


Fill the bubbler with the desired amount of water. Connect the end of the check valve to the CENTER straw on the water bubbler (the straw that goes all the way into the water).

Attach the 2-foot segment of ozone tubing (M) to the SIDE straw of the water bubbler.

Connect the other end of tubing (M) to the base of the ozone destruct system (H).

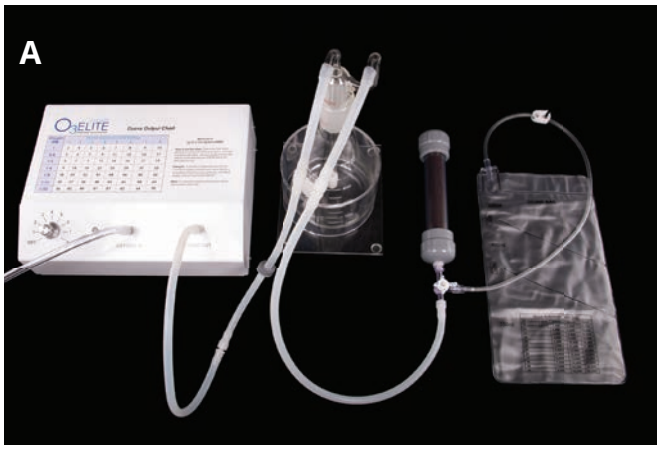
*** Distilled water is recommended.**



You can now turn on your oxygen and ozone. You will notice the ozone is diffusing into the water and as long as the OFF is pointed toward the side you will not smell ozone. Allow the water to saturate for several minutes before using ozone accessories.

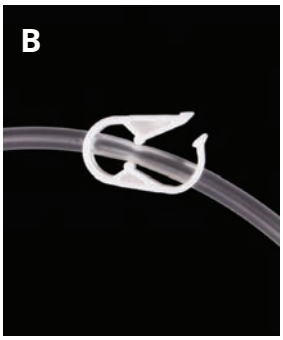
If you want to make ozonated water, we recommend bubbling the ozone at 1/8LPM for 10 to 20 minutes.

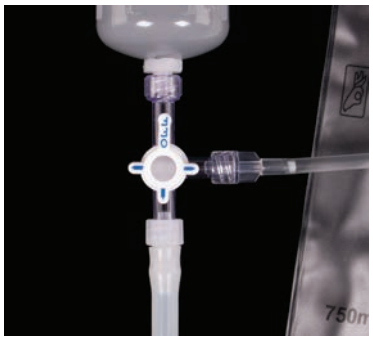
HOW TO USE THE INSUFFLATION BAG WITH HUMIDIFIED OZONE



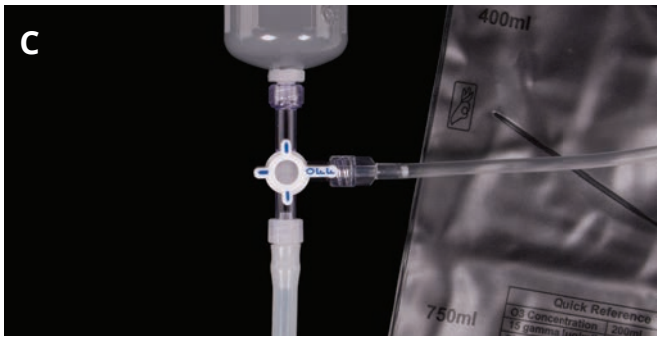
When you are ready to fill your insufflation bag, attach the bag (G) to the side port of the ozone destruct system.

Make sure to follow the steps to set up the water bubbler/humidifier combo on page 9. It's best to allow the water to saturate for several minutes before filling the insufflation bag.

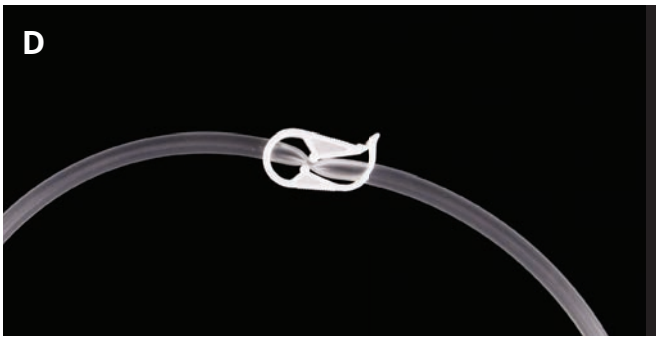




Make sure the tubing is not clamped. Set your oxygen flow rate and ozone concentration to the desired output. Turn the valve on the ozone destruct system as shown to fill the bag.



When the bag is filled to the desired amount, turn the OFF valve back toward the side port as shown.



You will then want to clamp the tubing on the insufflation bag.

Remove the insufflation bag and attach the catheter (J).
Once the catheter is inserted rectally or vaginally, unclamp the tubing and begin your insufflation by slowly pushing on the bag.

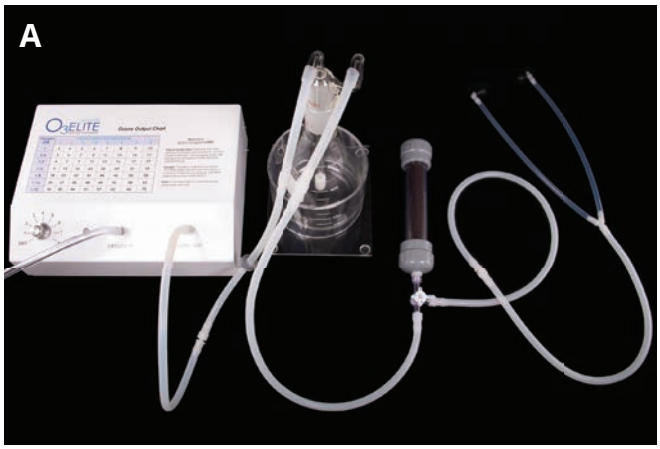
Shown using 500ml Water Bubbler. Your 1000ml Bubbler does not come with a stand.

Note: Once you have completed your insufflation, try to hold the ozone gas for five minutes. If you are doing a vaginal insufflation this way there is no need to hold the gas.

Note: If you plan to reuse the ozone catheter it is recommended to clean the ozone catheter. Simply rinse with soap and water and then use hydrogen peroxide to sterilize.

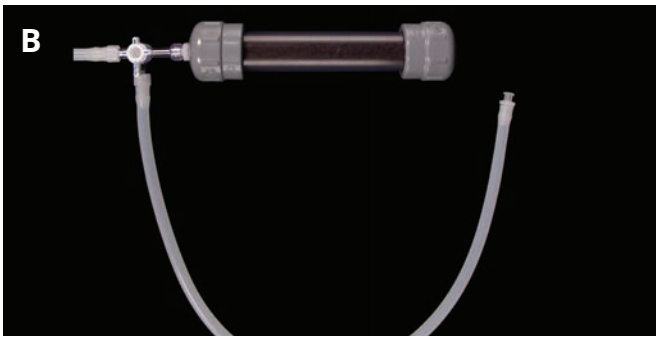
For a visual on how to do this, please watch our video on YouTube titled "A Visual Guide to Rectal Insufflation."

HOW TO USE THE OZONE EARSCOPE WITH HUMIDIFIED OZONE

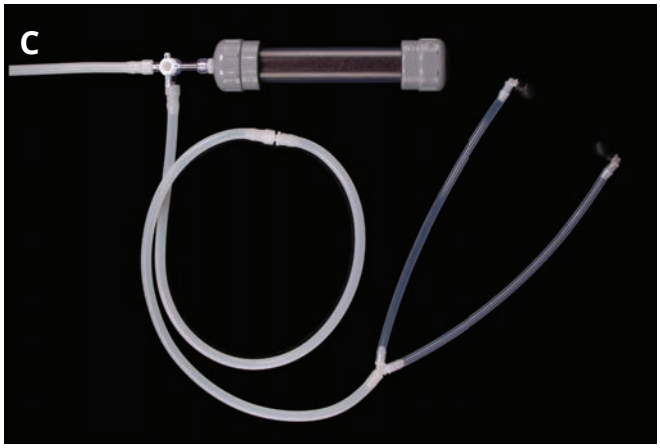


Complete setup shown above.

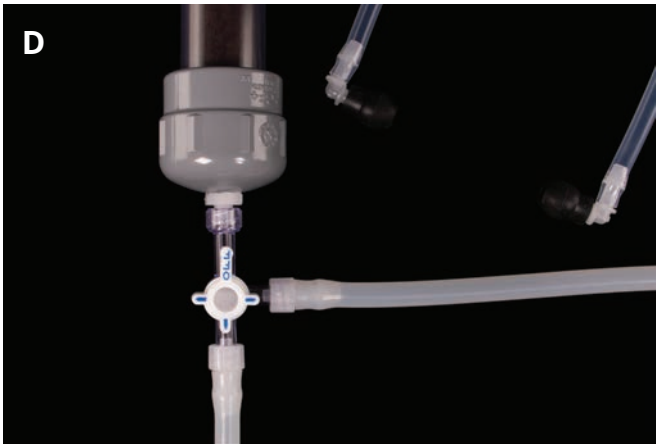
Make sure to follow the steps to set up the water bubbler/humidifier combo on page 9. **It's best to allow the water to saturate for several minutes before using the earscope.**



Attach the 5-foot segment of tubing (L) to the side port of the ozone destruct system.



Attach the earscope to the other end of the 5-foot segment of tubing.



When you are ready, put the earscope up to your ears and turn the OFF valve on the ozone destruct as shown.

When you are done, turn the OFF valve toward the side port of the ozone destruct system.

Shown using 500ml Water Bubbler. Your 1000ml Bubbler does not come with a stand.

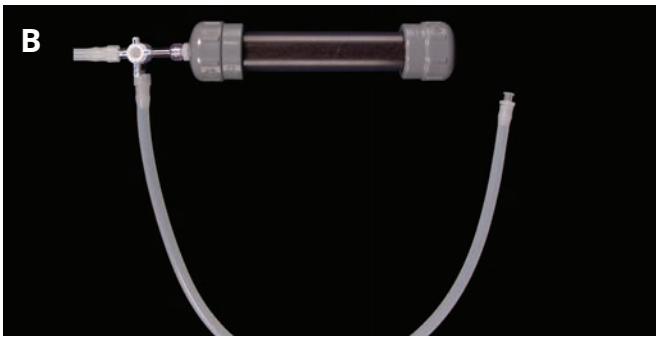
Make sure you turn off your ozone and oxygen when you are done using them.

Note: An average ozone and oxygen setting for ear insufflations is 1/8LPM with the ozone dial set to 4. Average time is 5 minutes.

HOW TO USE THE OZONE CUPPING FUNNEL WITH HUMIDIFIED OZONE

Complete setup shown above.

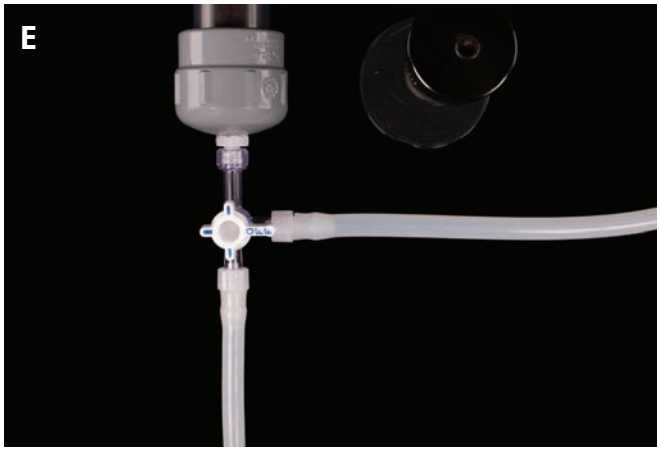
Make sure to follow the steps to set up the water bubbler/humidifier combo on page 9. **It's best to allow the water to saturate for several minutes before using the ozone cup.**



Attach the 5-foot segment of tubing (L) to the side port of the ozone destruct system.

Attach the ozone cup (I) to the other end of the 5-foot segment of tubing.

When you are ready to use the cupping funnel, turn the OFF valve toward the ozone destruct system as shown above.



When you are done, turn the OFF valve toward the side port of the ozone destruct system.

Shown using 500ml Water Bubbler. Your 1000ml Bubbler does not come with a stand.

Make sure you turn off your ozone and oxygen when you are done using them.

Note: An average ozone and oxygen setting for ear insufflations is 1/8LPM with the ozone dial set to 4. Average time is 5 to 10 minutes.

HOW TO ADJUST YOUR OZONE CONCENTRATION USING O3ELITE SINGLE

For Dual, see next page. The ozone gamma chart below is an example. Your ozone generator and oxygen regulator are calibrated with each other. For precise numbers for your specific setup, **consult the custom gamma chart that came with your ozone generator**.

Oxygen LPM	Ozone Generator Dial Setting							
	1	2	3	4	5	6	7	8
1/2	6	9	13	17	19	20	21	22
1/4	12	16	24	29	33	36	37	38
1/8	25	35	45	53	58	60	61	63
1/16	31	39	54	61	67	71	73	75
1/32 *Approximate	56	74	84	85	86	87	88	90

Oxygen Regulator

O3Elite Dial

To set your ozone concentration, look up the desired output on your custom chart. Using the Oxygen LPM column on the left, turn the dial on your oxygen regulator to the proper setting (1/2, 1/4, 1/8, etc). Using the Ozone Generator Dial Setting options, adjust the dial on your ozone generator to the proper setting.

Example: In the chart above, to obtain 53 gamma of ozone output, you would set your oxygen regulator to 1/8 LPM and your ozone dial to 4. Use the custom gamma chart provided with your generator for outputs that match your calibration.

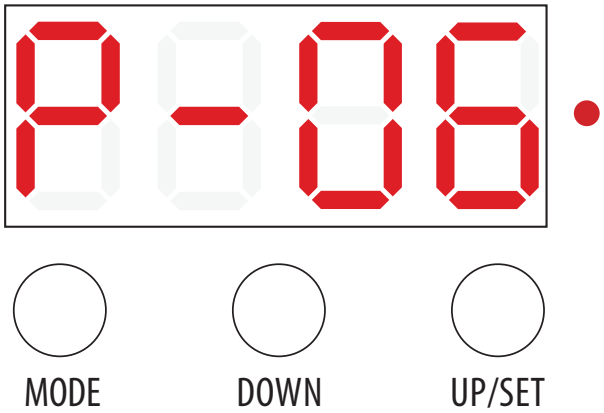
HOW TO ADJUST YOUR OZONE CONCENTRATION USING O3ARC

The ozone gamma chart below is an example. Your ozone generator and oxygen regulator are calibrated with each other. For precise numbers for your specific setup, **consult the custom gamma chart that came with your ozone generator**.

Oxygen (LPM)	Power Mode									
	1	2	3	4	5	6	7	8	9	10
1	7	8	9	11	12	13	14	15	16	17
3/4	9	11	13	15	16	17	18	20	21	23
1/2	14	17	20	22	24	26	27	29	30	32
1/4	25	30	34	39	42	45	48	51	53	56
1/8	41	47	52	56	60	63	66	69	70	73
1/16	57	64	68	73	77	79	81	83	85	88
1/32	71	75	78	82	86	88	91	93	95	100

Oxygen Regulator

O3Arc Display



To set your ozone concentration, look up the desired output on your custom chart. Using the Oxygen LPM column on the left, turn the dial on your oxygen regulator to the proper setting (1/2, 1/4, 1/8, etc). Using the Ozone Generator Power Mode Setting options, adjust the power setting on your ozone generator. See your O3Arc Manual for more specific information.

Example: In the chart above, to obtain 60 gamma of ozone output, you would set your oxygen regulator to 1/8 LPM and your power setting to 5. Use the custom gamma chart provided with your generator for outputs that match your calibration.