

AIO₃ Systems

with *Enhanced Oxidation Generator*



AIO₃ Ozone Installation & Programming Guide

Installing the EOG (Enhanced Oxidation Generator)

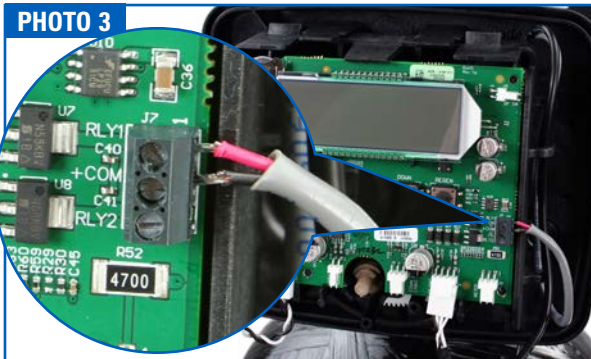
Unplug the control valve and install the EOG unit to the Control valve with the SS worm clamp around the injector cap as shown in **PHOTO 1**.



Unsnap the top of the control board bracket to expose the backplate and route the gray EOG wire through the hole as shown in **PHOTO 2**. Fit both wires into the wire chase and snap the bracket back into place. *(Do Not Press on Control Board, use the bracket to snap into place.)*



Make sure the EOG unit is not plugged in, connect the EOG unit's 2 wire leads to Relay 1 on the control valve. The black wire connects to **COM** and the red wire connects to **RLY1**. See **PHOTO 3** inset.



Remove the Domed Screen from the Brine Fitting and remove the Brine Fitting from the Control Valve. Remove the white Check Valve from the Brine Fitting and install the Black Ozone Compatible



Determine the directional flow of the Barbed Check Valve, there are two arrows pointing in the direction of flow, they are hard to see and are highlighted in **PHOTO 6**. If you cannot see the arrows, blow or suck air through the valve to determine flow.

Next, cut off approximately 1-1/2" off of the end of the black tubing. Insert the short section of tubing on the end of the check valve the arrows point to.



Insert the other end of the Barbed Check Valve into the tubing connected to the EOG unit. Re-install the Brine Fitting on the valve and connect the tubing to the Brine Fitting.



Connect the power supply to the EOG unit and plug in the EOG and the Control Valve.

AIO Controller - Ozone Configuration Settings

Step 1

Press **NEXT** and **DOWN** simultaneously and release.



Press **NEXT** and **DOWN** simultaneously for 5 seconds and release. If the screen in **Step 2** does not appear, the lock on the valve is activated.



To unlock, press **DOWN**, **NEXT**, **UP** and **CLOCK** in sequence, then press **NEXT** and **DOWN** simultaneously for 5 seconds and release. Press **NEXT** and **DOWN** simultaneously for 5 seconds and release.

Step 2

Use **UP** or **DOWN** to select **FILTERING REGEN**.



Press **NEXT** to go to **Step 3**.

Press **REGEN** to exit Configuration Settings.



Step 3

Use **UP** or **DOWN** to adjust backwash time.



Press **NEXT** to go to **Step 4**.

Press **REGEN** to return to *previous step*.



Step 4

Step 4 alternates between the two displays shown.



Use **UP** or **DOWN** to adjust brine time.



Press **NEXT** to go to **Step 5**.

Press **REGEN** to return to *previous step*.



Step 5

Use **UP** or **DOWN** to set 2nd backwash to **OFF**.



Press **NEXT** to go to **Step 6**.

Press **REGEN** to return to *previous step*.



Step 6

Use **UP** or **DOWN** to set **RINSE** to **OFF**.



Press **NEXT** to go to **Step 7**.

Press **REGEN** to return to *previous step*.



Step 7

Use **UP** or **DOWN** to set **FILL** to **OFF**.



Press **NEXT** to go to **Step 8**.

Press **REGEN** to return to *previous step*.



Step 8

Use **UP** or **DOWN** to set **REGEN** to **OFF**.



Press **NEXT** to go to **Step 9**.

Press **REGEN** to return to *previous step*.



Step 9

Step 9 alternates between the two displays shown.



Use **UP** or **DOWN** to set **RELAY 1** to **ON**.

Press **NEXT** to go to **Step 10**.

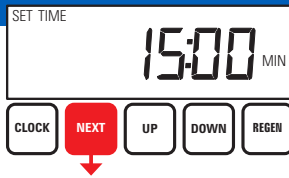
Press **REGEN** to return to *previous step*.



AIO Controller - Ozone Configuration Settings

Step 10

Step 10 sets Relay Actuation Time, when the EOG unit turns on.



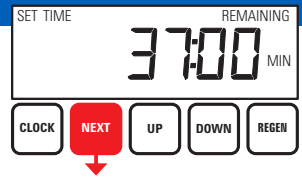
Relay activates after the beginning of regeneration cycle and then deactivates after a set period of time. The start of the regeneration is defined as the first backwash cycle or DN brine cycle, whichever comes first.

Set for 15 minutes or 1 minute after the time set in Step 3. This means the relay will turn on the EOG unit 1 minute after the air/ozone draw starts.

Use **UP** or **DOWN** to set RELAY 1 to 15.
Press **NEXT** to go to *Step 11*.
Press **REGEN** to return to *previous step*.

Step 11

Step 11 indicates the length of time the EOG unit is activated.

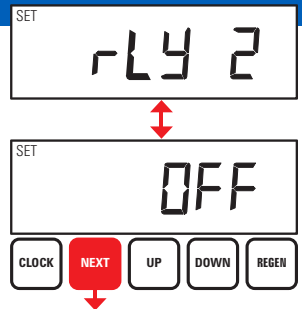


Use **UP** or **DOWN** to adjust the amount of time to 37:00 minutes.

Press **NEXT** to go to *Step 12*.
Press **REGEN** to return to *previous step*.

Step 12

Step 12 alternates between the two displays shown.



Use **UP** or **DOWN** to set RELAY 2 to OFF.
Press **NEXT** to EXIT Configuration Settings.
Press **REGEN** to return to *previous step*.

Maintaining the EOG Unit

The EOG ozone generator is delivered factory tested, calibrated, and adjusted for maximum efficiency and long life. Simple maintenance and appropriate operating conditions are the only requirements to keep the unit functioning within manufacturer's specifications.

The EOG CD (Corona Discharge) cell should be cleaned every 12 months. Refer to the Ozotech Service Manual for in-depth instructions for proper cleaning. A cleaning kit is also available.

Check Valves - Both check valves, OZONE-BARB CV and OZONE-BRINE CV, need to be changed every 12 months. Failure to do so increases chances of a check valve failing and possible water leakage.

Maintenance Parts

OZONE-BARB CV Ozone 3/16" X 3/16" Barb Check Valve

OZONE-BRINE CV Ozone Brine Check Valve

OZONE-CLEANING KIT Ozone CD Cell Cleaning Kit

EOG Important Safeguards



WARNING - DO NOT install the EOG unit on any system using Birm® filter media. Ozone will strip the properties from the media rendering it useless.



WARNING - DO NOT install the EOG unit on any other control valve other than specialty Clack based controls. Internal components may not be compatible with Ozone.



CAUTION - When re-installing electronic control board in the valve, make sure the wiring is fully seated in the wire chase. Wires that are not fully seated will prevent control board bracket from seating in the valve and covers not fitting correctly.