



OZO-PEN Series Ozone Generators

Benefits of OZO-PEN Water Treatment

- *Disinfects water – eliminating harmful bacteria and viruses*
- *Produces bottled water quality drinking water*
- *Can produce high ozone concentrations – use to disinfect fruits, vegetables, utensils, etc.*
- *Eliminates bad taste and odour from water*
- *Reduce environmental waste resulting from drinking bottled water*



Ozomax Ozone purity in every glass !

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OZO-PEN Point-of-Use Ozone Water Treatment System

Single stage under-the-counter system with Pressure Switch



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OZOMAX³

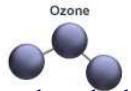
OZO-PEN Series Ozone Generators

OZO-PEN POU for home/office



Features:

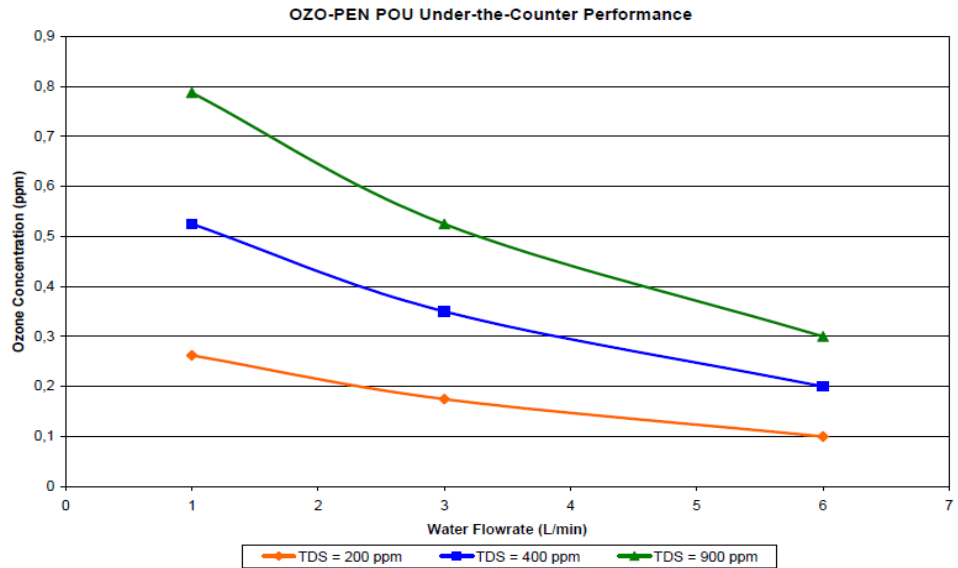
- Generates ozone and mixed oxidants INSITU – *produces ozone from water itself!*
- Produces ozone when water demand exists and cuts-off automatically when faucet is closed.
- Adjustable pressure switch is included



The OZO-PEN-POU produces ozone from water as well as other powerful oxidants such as hydrogen peroxide and hydroxyl radicals which work together to destroy harmful water-borne bacteria and viruses. In addition, these powerful oxidizing agents rid the water of colour, offensive odour and bad taste... The process is so quick and effective that anyone can produce clean, safe drinking water right in their own kitchen.

Typical Performance

The residual ozone produced by OZO-PEN POU system is a function of the water conductivity (or TDS) and the level of water contamination (iron, manganese, colour, odour, bacteria, etc). The graph below shows typical ozone residuals measured in clean water at different TDS levels. Note that a residual of 0.1 ppm will kill 99.99% of microbial contamination after 1 minute.



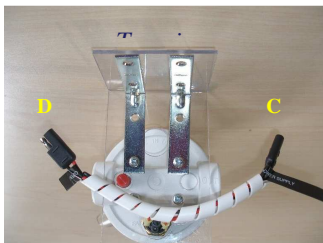
Parts Description

A – Adjustable Pressure Switch

B – OZOPEN

C - Power supply connector

D - OZOPEN connector
(see below)



Installation

- Step 1: Install OZO-PEN POU under the sink by securely screwing it to the wall
- Step 2: Pierce a 1/2'' hole in the sink perimeter and install a POU faucet (not provided)
- Step 3: Install the self-piercing needle valve on the COLD water line.
- Step 4: Connect the needle valve to the OZO-PEN POU inlet
- Step 5: Connect the POU outlet to the secondary faucet inlet
- Step 6: Connect the POU power cord to a 120V or 220V electrical outlet
- Adjust the pressure switch setpoint as described on the following page

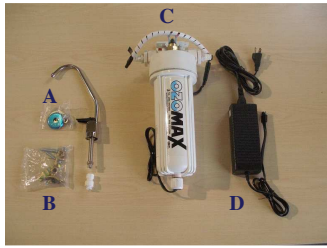
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OZO-PEN POU Installation Kit



OZO-PEN POU
Water Treatment System
Under-the-Counter

Parts Description

A – POU faucet kit

B – Self-piercing needle valve kit

C – OZOPEN POU

D – Power Adapter

Notes on Installation

- Install OZO-PEN POU under the sink on the cold water line.



Identify cold water line



Install self-piercing needle valve on cold water line

- Verify the pressure switch operation (done after installation is complete)

The OZO-PEN POU contains a pressure switch which will detect when water is flowing through the system. When the POU faucet is open, the pressure switch will turn the OZO-PEN ozone generator ON. When the faucet is closed, it will turn OFF the OZO-PEN ozone generator. To verify that the pressure switch is working properly, perform the following test once the system has been installed and the power cord has been plugged into a 120V or 220V electrical outlet.

- 1- Ensure that the needle valve is open allowing water to enter the OZO-PEN POU system.
- 2- Open the POU faucet
- 3- Locate the connector labelled OZOPEN. This is the *OZOPEN connector*.
- 4- Disconnect the *OZOPEN connector* from the OZOPEN
- 4- Open the faucet, ensure that 19-20VDC is measured on the *OZOPEN connector*.
- 6- Close the POU faucet
- 7- Ensure that 0VDC is measured at the *OZOPEN connector*
- 8- If when the faucet is closed, > 0VDC is measured at the *OZOPEN connector* then the pressure switch setpoint must be adjusted.
- 9- Close the faucet and adjust the pressure switch setpoint such that the power to the OZOPEN is cut-off (ie 0VDC is measured at the OZOPEN connector.) To adjust the pressure switch setpoint, use a flat bladed screwdriver to turn the screw clockwise to increase the setpoint and counterclockwise to decrease the setpoint.

If the OZO-PEN POU power supply does not turn on and off as described above, verify the following:

- 1- Main power cord is plugged in to a working electrical outlet.
- 2- Power cord is well inserted into the OZO-PEN POU power supply
- 3- There are no water leaks in the system
- 4- The air vent is in the OPEN position

If all above is OK and power supply does not turn on and off as described, please contact your local distributor or Ozomax for further assistance

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OZO-PEN POU for home/office



Maintenance

- **Clean OZO-PEN on a monthly basis as described below**
 - Close the inlet needle valve
 - Open the POU faucet to relieve any pressure found inside the system
 - Disconnect the OZO-PEN from the power supply.
 - Unscrew the OZO-PEN ozonation chamber.
 - Fill the chamber with a 50% vinegar solution
 - Let stand for 30 - 60 minutes
 - Empty the chamber
 - Using a soft, non-abrasive cloth, wipe off the hardness layer from the surface of the OZO-PEN
 - Rinse with water thoroughly.
 - Reinstall OZO-PEN ozonation chamber in the system
 - Reconnect the OZO-PEN to the power supply.
 - Open the inlet water needle valve
 - Let the system fill with water.
 - Close the POU faucet

Warranty:

Ozomax Inc warrants all the ozonators to be free from defects in components and workmanship to the original purchaser for (12) months from date of invoice under conditions of intended use.