



# OZOMAX

*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*

*Under-the-Counter Model*

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## OZO-PEN Series Ozone Generators

### OZO-PEN POU for home/office



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

### Parts Description

- A – Water Inlet
- B – Flow switch
- C – Air vent
- D – Power supply
- E – Water Outlet
- F – Pre-filter  
(carbon or sediment)
- G – OZO-PEN ozonation chamber
- H – Post-filter (sediment or none)
- I – Electrical Quick Connect

### Features:

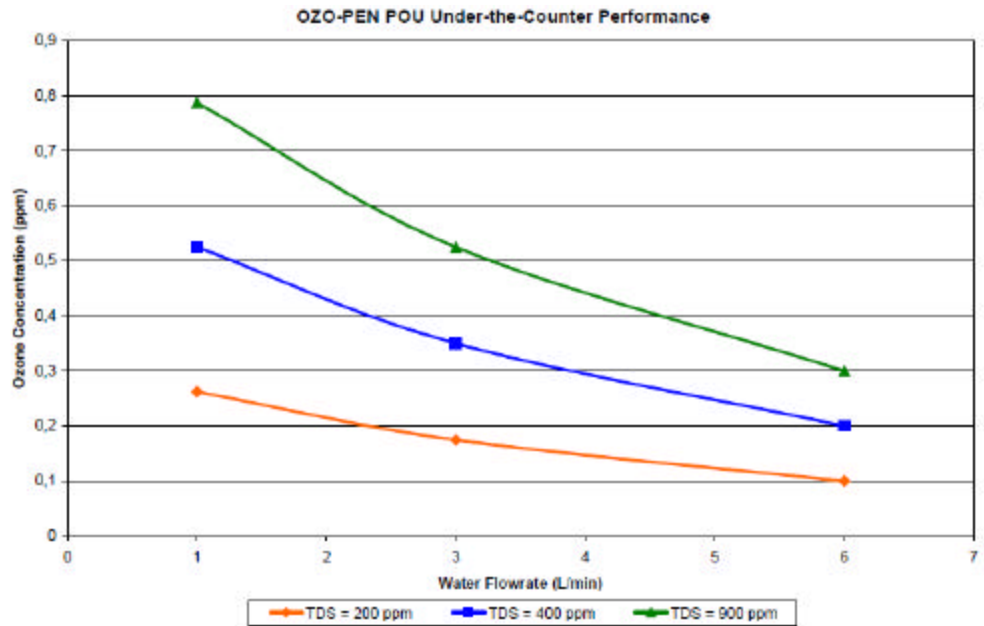
- Generates ozone and mixed oxidants INSITU – *produces ozone from water itself!*
- Produces ozone when water demand exists and cuts-off automatically when faucet is closed.
- Carbon pre-filter and sediment post-filter are included.
- Ozone production controls are included



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.



### Installation

- Step 1: Install OZO-PEN POU under the sink by securely screwing it to the wall
- Step 2: Pierce a ½" hole in the sink perimeter and install the POU faucet 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 using the hose provided
- Step 5: Connect the POU outlet to the secondary faucet inlet using the hose provided
- Step 6: Make sure that the air vent is in the OPEN position
- Step 7: Connect the POU power cord to a 120V or 220V electrical outlet

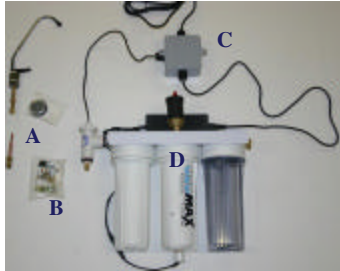
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### OZO-PEN POU Installation Kit



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

### Parts Description

**A** – POU faucet kit

**B** – Self-piercing needle valve kit

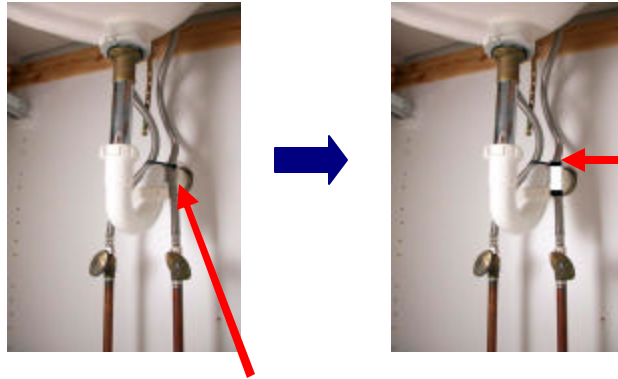
**C** – Control box

**D** – OZO-PEN POU

**E** – Inlet and outlet hoses  
(not shown)

### 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 flow switch operation (done after installation is complete)

The OZO-PEN POU contains a flow switch which will detect when water is flowing through the system. When the POU faucet is open, the flow 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 flow 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 air vent is in the OPEN position. If not, twist air vent body such that it is open (see labelling on air vent).
- 2- Ensure that the needle valve is open allowing water to enter the OZO-PEN POU system.
- 3- Open the POU faucet
- 4- You should here air escaping from the air vent at first. If not make sure that it is in the OPEN position. Once all of the air which was initially trapped inside the system has escaped through the air vent, this sound will disappear.
- 5- Verify that the green light found on the OZO-PEN POU power supply is ON.
- 6- Close the POU faucet
- 7- Verify that the green light found on the OZO-PEN POU power supply is OFF.

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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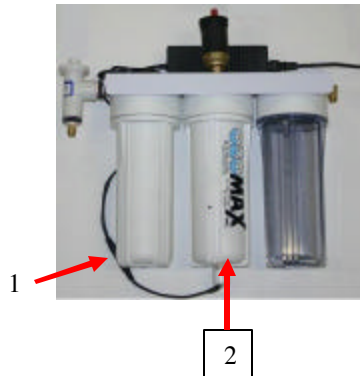
**G** – OZO-PEN ozonation  
chamber

**H** – Post-filter (sediment or  
none)

**I** – Electrical Quick Connect

### 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 . See (1) in picture below.
  - Unscrew the OZO-PEN ozonation chamber. See (2) in picture below.
  - Fill the chamber with a 50% vinegar solution
  - Let stand for 30 - 60 minutes
  - Empty the chamber
  - Using a 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. See (1) in picture below.
  - Change pre-filter and post-filter cartridge if necessary.
  - Open the inlet water needle valve
  - Let the system fill with water.
  - Close the POU faucet



- 1- OZO-PEN connection to power supply.
- 2- OZO-PEN ozonation chamber

### 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.