

# O<sub>3</sub>XIIDIS<sup>TM</sup>

## Pathogen Control System

[www.ozonefaucet.com](http://www.ozonefaucet.com)

## **1 INTENDED USE/INDICATIONS FOR USE**

The Oxidis® by Kona® Patented Aqueous Ozone Disinfection Adapter system generates aqueous ozone at a minimum concentration of 0.5 ppm. Patented design features provide that the concentration remains within safe and efficacious parameters. The aqueous ozone is intended to be used as a disinfectant. The aqueous ozone generated by the faucet can be used as a general-purpose disinfectant to process general surfaces, noncritical medical devices and general equipment surfaces. The faucet produces aqueous ozone for the final antimicrobial rinse of general surface disinfection. Because of the unstable nature of aqueous ozone, there is no residual that requires further rinsing or presents an environmental hazard. The faucet is intended to be installed in health care setting, restaurant, schools, general food service preparation or where surface disinfection is necessary.

## **2 DEVICE DESCRIPTION**

The device is an ozone mixing faucet adapter with the addition of a gaseous fluid-operated ozone supply unit. This unit generates ozone and dissolves it into the flow of water produced by the faucet. Just by lifting the faucet handle, ozone is created on demand by the electrical ozone generator. The ozone gas is dissolved into the running water via a venturi-type mixing system and a patented ozone valve control device. After running the water for a few seconds, the ozone concentration is drawn via the created vacuum to the tap outlet and remains at an effective and safe concentration for a given flow rate. **Red indicator lights which show the unit is on, and a blue light that shows the ozone is flowing properly.** Ozone concentrations at the tap range from 0.5 to 1.2 PPM.

The aqueous ozone produced by the faucet adapter with the ozone supply unit must be used in accordance with reprocessing instructions as a replacement for tap water aerator provided in the labeling. It should be used for surface disinfection and can be used for direct contact on food without additional rinse.

Before aqueous ozone is used, debris on the device must be removed. The device is a faucet adapter ozone generator box. The composition of the aqueous ozone produced by the faucet is tap water (CAS 7732-18-5) with ozone (CAS 10028-15-6) at levels

## **Emergency and First Aid Procedures**

### **Eye Contact**

If exposure to water containing aqueous solution of ozone causes irritation to eyes, flush eyes with plenty of clean, ozone-free, running water for at least 15 minutes, lifting the upper and lower lids occasionally. Remove contacts if worn. Seek medical advice if irritation develops.

### **Skin Contact (none known)**

Skin is not likely to become irritated unless repeatedly exposed to large volumes of aqueous ozone beyond the capacity of the Oxidis® device. In the unlikely event aqueous ozone causes irritation rinse affected area with ozone-free potable water. Seek medical advice if necessary.

### **Inhalation**

Oxidis® system is designed to generate ozone gas overspill well below harmful levels. However, generally inhalation of ozone gas may lead to irritation of lungs. If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention.

### **Ingestion**

Do not drink the aqueous ozone mixed water. If accidental ingestion occurs, drink as much ozone-free potable water as possible. Seek medical advice.

Please see the MSDS.

## **INSTRUCTIONS FOR USE**

### **Food Processing**

**USE COLD WATER ONLY!** Turn on faucet and allow the flow of liquid to go down the drain for at least 10 seconds to allow ozone to flow into the water mixing system to ensure effective concentration. **Red Indicator lights which show the unit is on, and a blue light that shows the ozone is flowing properly when faucet is turned on.** Aqueous ozone should be used promptly as the level of ozone will decrease below efficacious levels in 25 minutes. At 90 minutes at ambient room-temperature, all ozone dissipates leaving behind plain water. Draw fresh flowing aqueous ozone from the faucet rather than use aqueous ozone that has been sitting in a sink or basin for an unknown amount of time.

Debris must be cleaned from surfaces before processing in aqueous ozone produced from the Oxidis® faucet system.

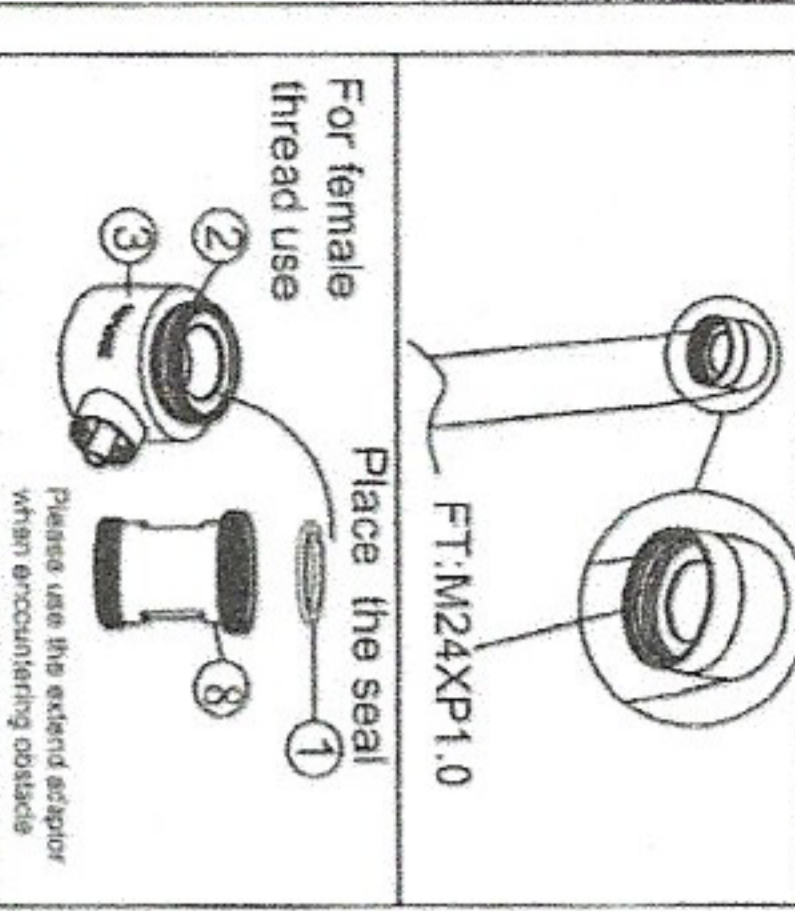
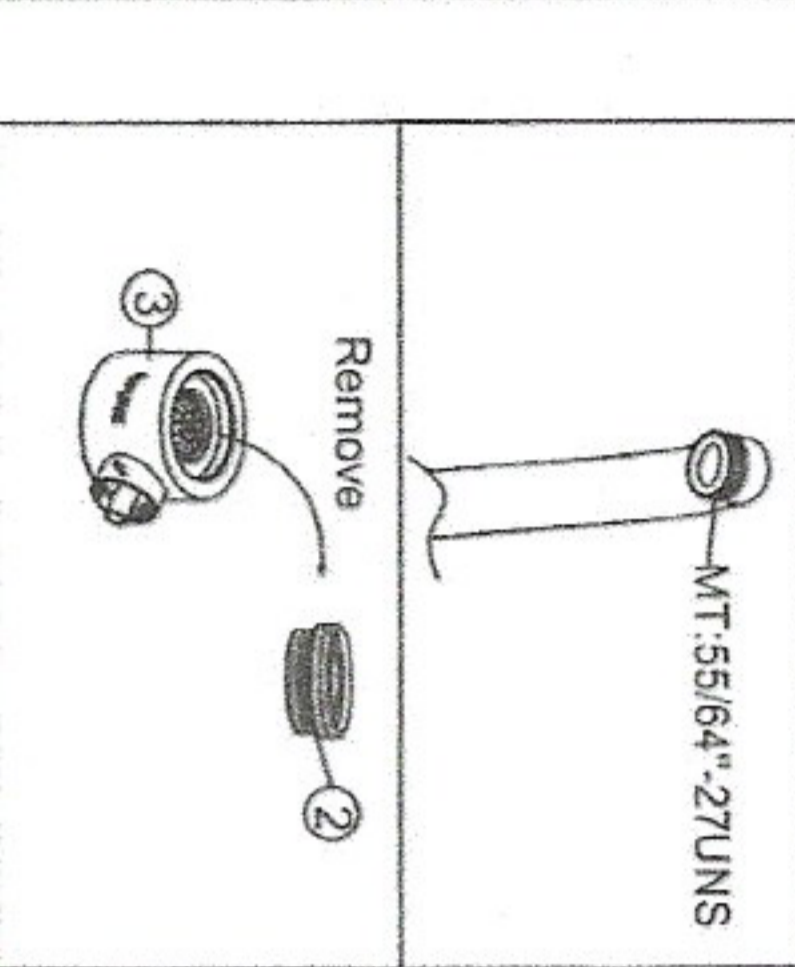
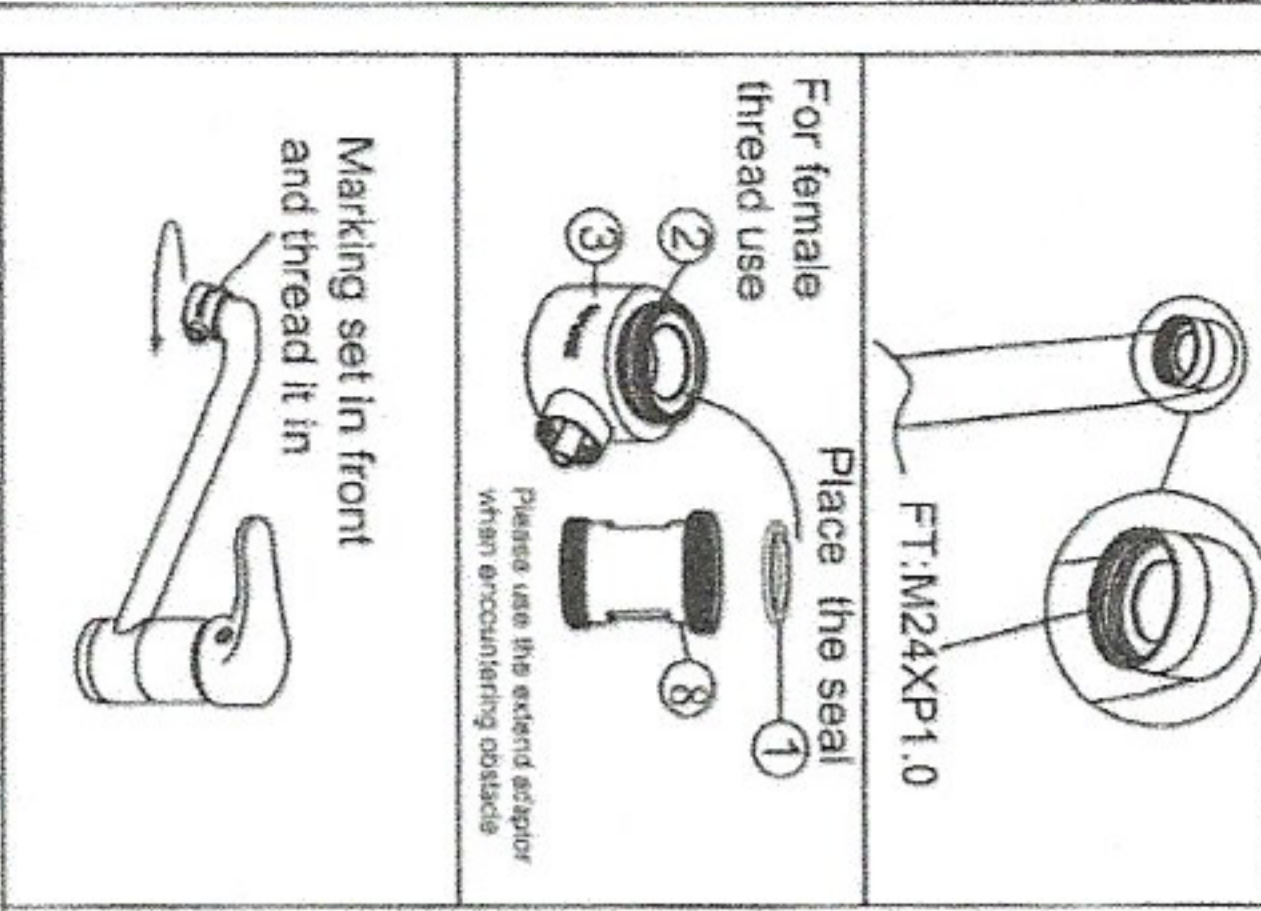
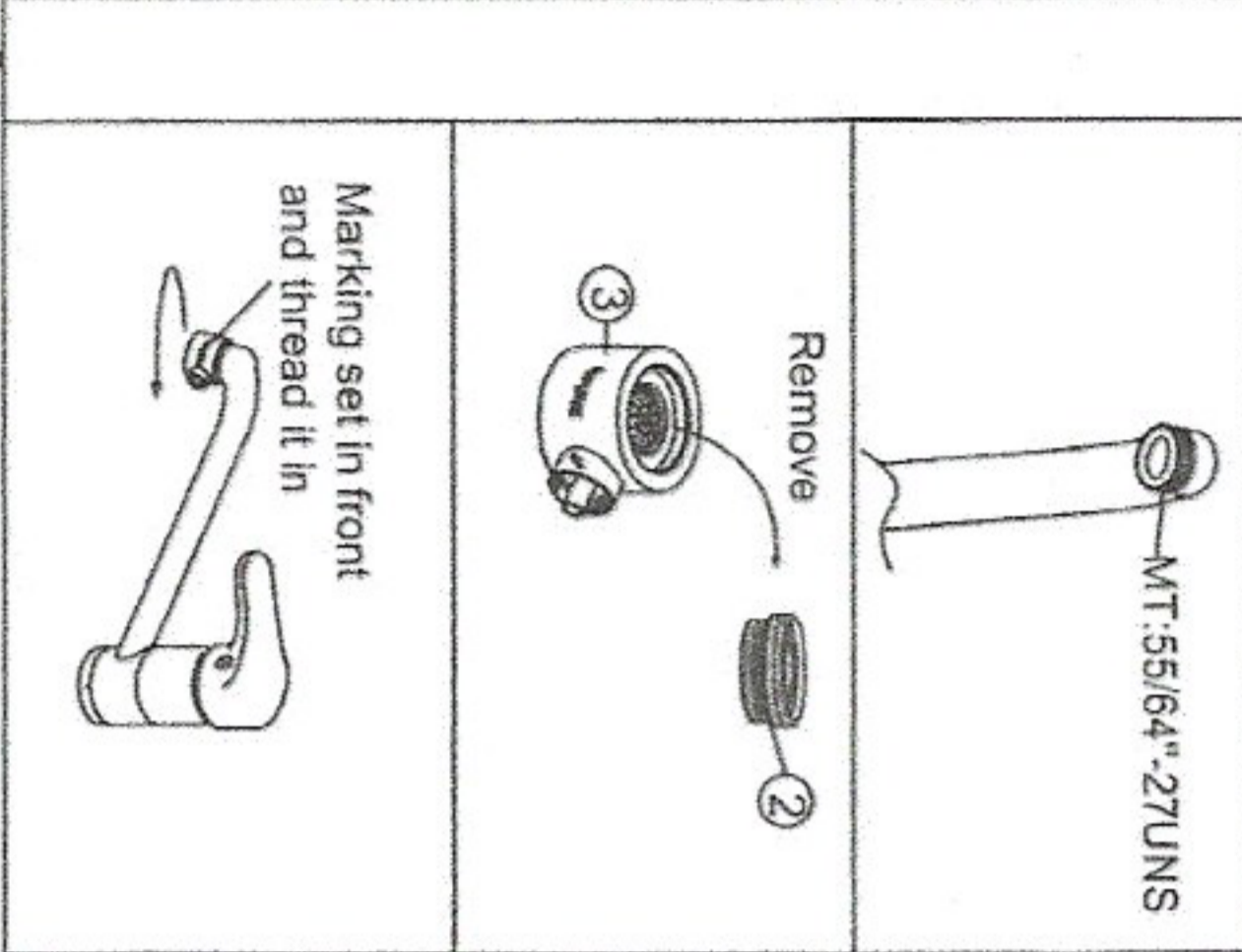
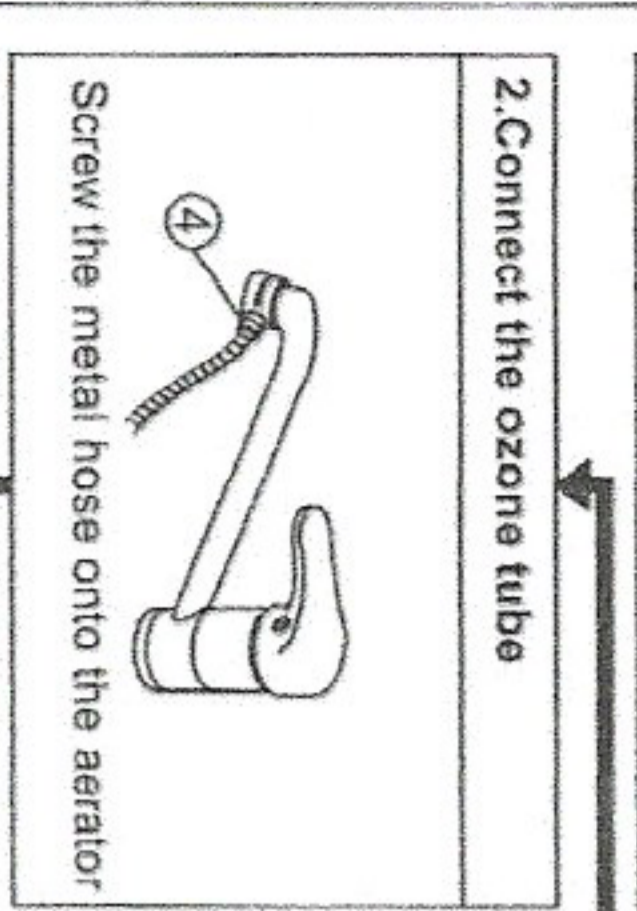
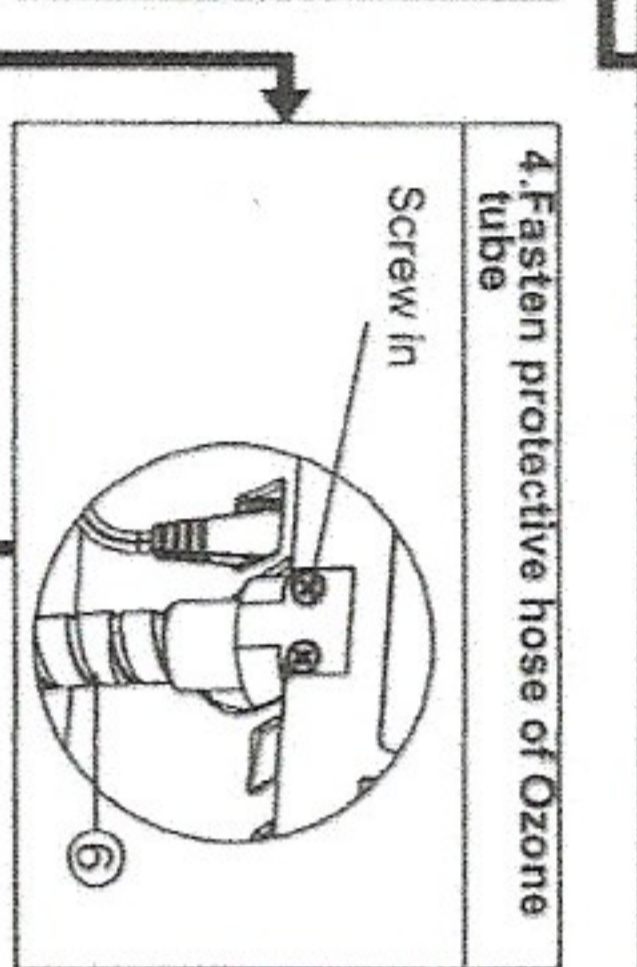
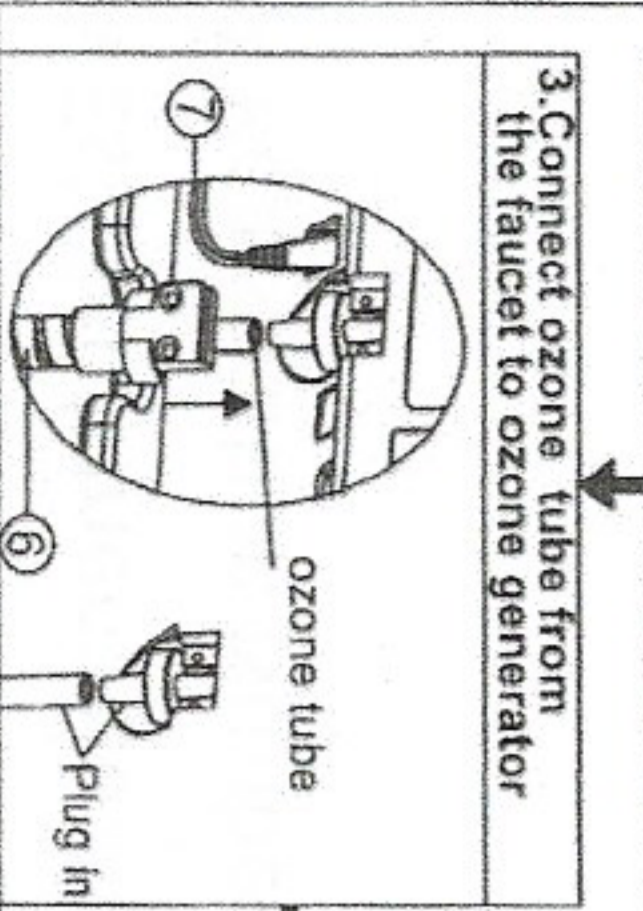
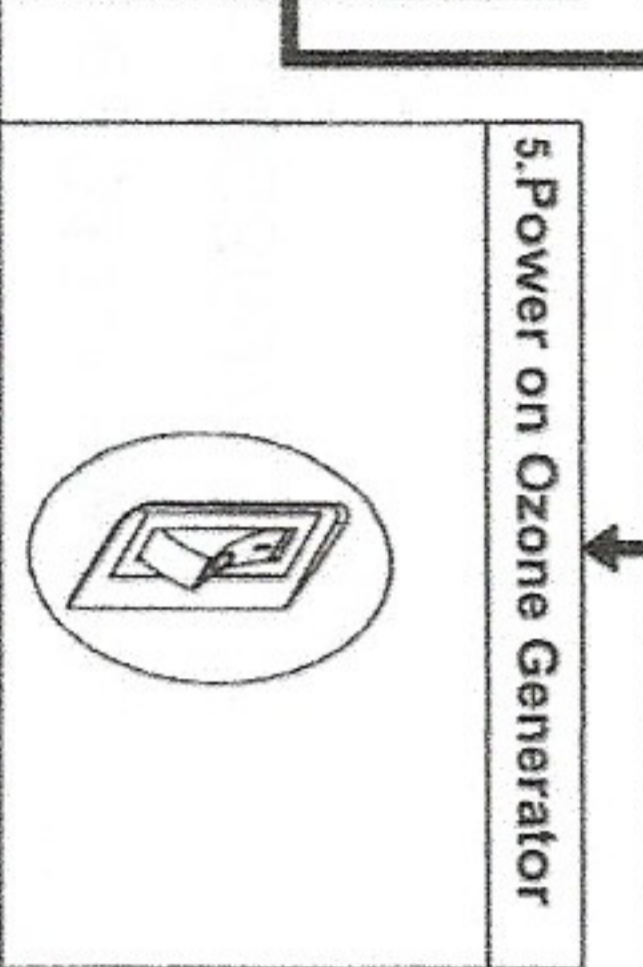
Submerge(soak) the food product to remove any bubbles and achieve total contact. Agitate the submerged food product during the period of soak. It is recommended that the aqueous ozone produced by the Oxidis® faucet be in contact with the surface for at least 4 minutes. Food products should then be air dried and refrigerated.

### **General Surface Disinfection**

**USE COLD WATER ONLY!** Fill spray bottle, soak sponge, microfiber towel or any cloth towel and wet the surface generously.

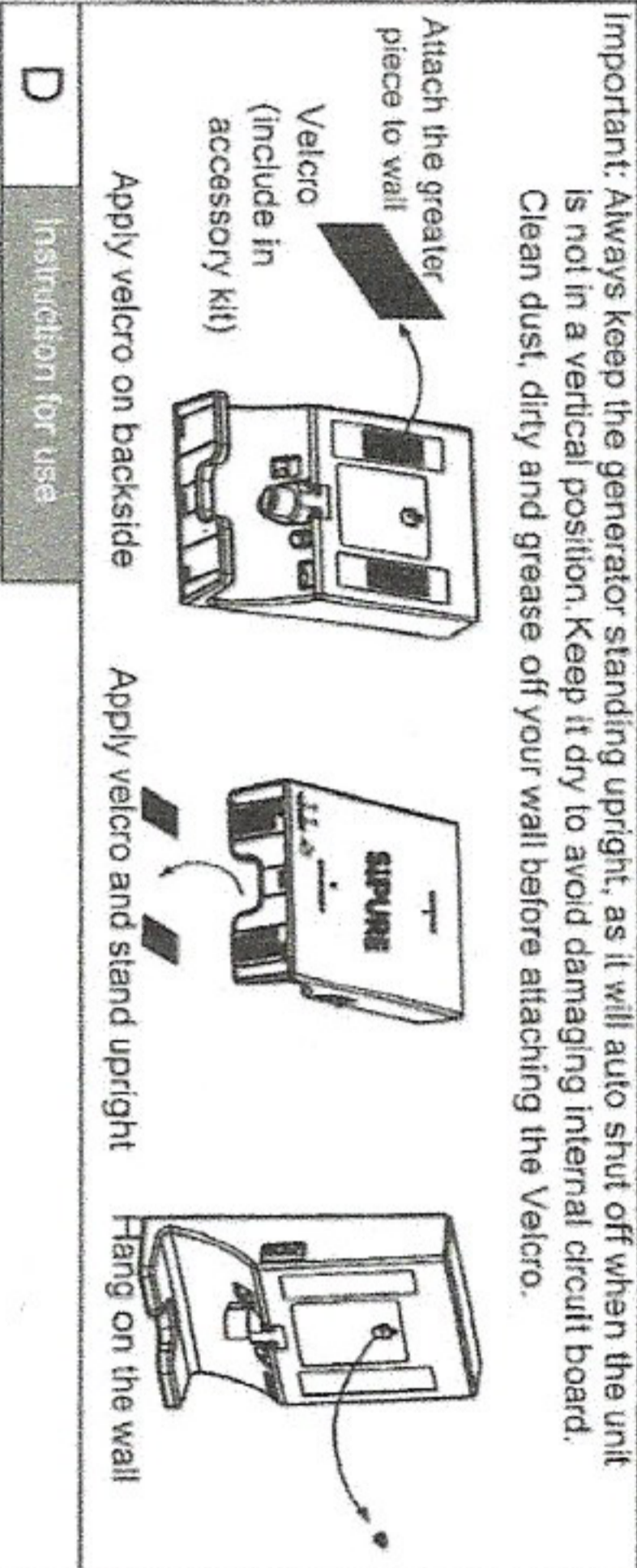
Wipe surface to be disinfected with at least three firm passes to dislodge any biolayer. Allow remaining aqueous ozone to remain on surface up to 4 minutes or allow aqueous ozone to dry naturally. Do not rinse the surface with plain tap water or other substance. Aqueous ozone does not leave a residual that needs to be removed. Remember to change the aqueous ozone every 25 minutes to insure maximum effectiveness. Remaining aqueous ozone can be poured directly into a sink and drain. By running aqueous ozone into sink and drain, the sink and drain will be disinfected, and biofilm will not develop. Aqueous ozone is safe to use on most surfaces. Avoid the use of ozone on natural rubber.

**B** Installation guide

<p><b>1-a. Water outlet in female thread</b></p>  <p>For female thread use Place the seal (1) Please use the extend scraper (2) when encountering obstacles</p>	<p><b>1-b. Water outlet in male thread</b></p>  <p>Remove (2)</p>
<p>Marking set in front and thread it in</p> 	<p>Marking set in front and thread it in</p> 
<p><b>2. Connect the ozone tube</b></p>  <p>Screw the metal hose onto the aerator</p>	<p><b>4. Fasten protective hose of Ozone tube</b></p>  <p>Screw in (6)</p>
<p><b>3. Connect ozone tube from the faucet to ozone generator</b></p>  <p>ozone tube (7) Plug in (6)</p>	<p><b>5. Power on Ozone Generator</b></p> 

**C** Setting the ozone generator

**Important:** Always keep the generator standing upright, as it will auto shut off when the unit is not in a vertical position. Keep it dry to avoid damaging internal circuit board. Clean dust, dirt and grease off your wall before attaching the Velcro.



Attach the greater piece to wall  
Velcro (include in accessory kit)

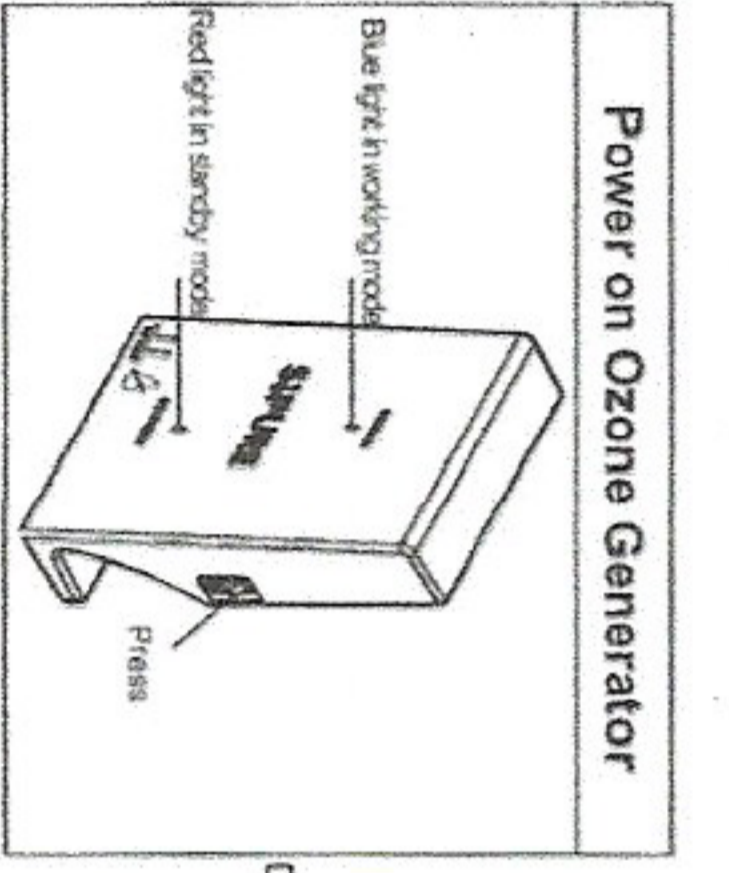
Apply velcro on backside

Apply velcro and stand upright

Hang on the wall

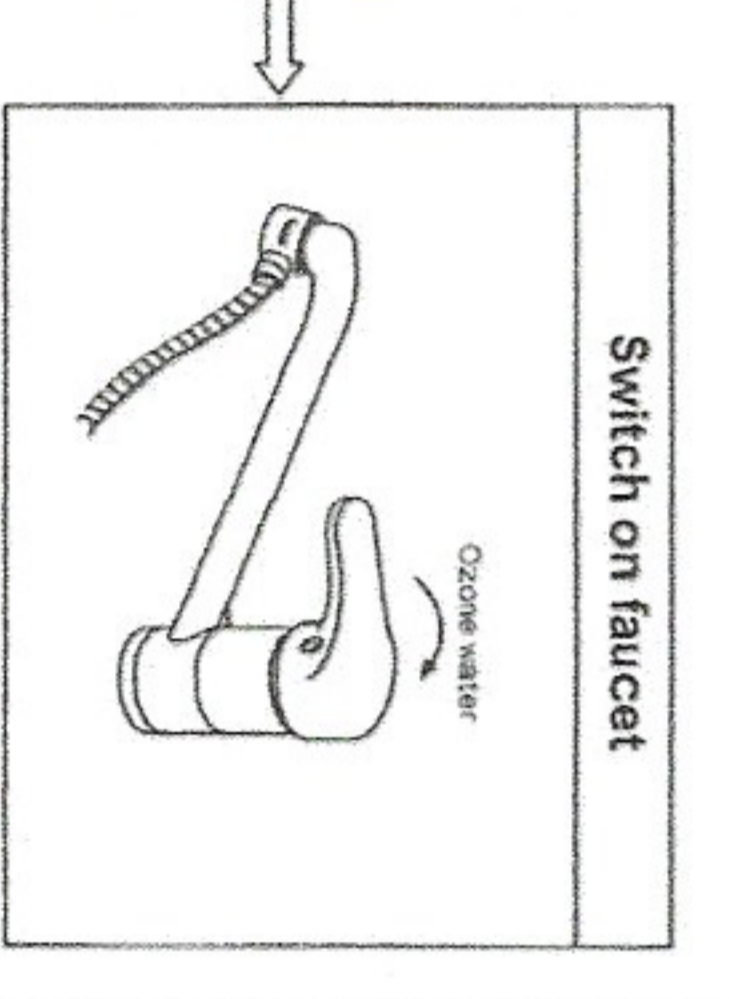
**D** Instruction for use

**Power on Ozone Generator**



Blue light in working mode  
Red light in standby mode  
Press

**Switch on faucet**



Ozone water

**E** Frequently asked question

<p>Q1: There is smell ?</p>	<p>A1: The ozone water will give off a fresh grass smell which will dissipate within a few minutes.</p>
<p>Q2: Why is the water flow reduced?</p>	<p>A2: This may be due to a blockage in the aerator or incoming water pipes.</p>
<p>Q3: Is ozone harmful to the human body?</p>	<p>A3: The ozone concentrate in air meets the FDA regulation for the USA.</p>
<p>Q4: Can we directly drink ozonized water?</p>	<p>A4: It's suggested to drink after boiling or leave it for 15 minutes.</p>
<p>Q5: What is the effectiveness of eliminating bacteria?</p>	<p>A5: Ozone water will remove 99% of most common bacteria like Escherichia coli, Staphylococcus aureus and Legionella pneumophila.</p>