

# FM-1

Commercial Model

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# OZONE GENERATOR

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## Important

**Your generator will become damaged, your warrantee voided, and the ozone output lessened if immersed in water or operated when humidity (moisture in the air) is above 60%. Lowering the humidity can often be accomplished by simply running a dehumidifier or air-conditioner in the room to be treated.**

## Owners Manual

**J**  **enesco** INC.

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## ◆ WHAT IT DOES

The FM-1 will eliminate odors, reduce levels of airborne bacteria, mold, fungi, spores and viruses.

## ◆ HOW IT WORKS

The FM-1 generates ozone, O<sub>3</sub>, tri-atomic oxygen, which readily gives up a single oxygen atom, O<sub>1</sub>. This single oxygen is free to combine with other airborne molecules (Odors, toxic gases, bacteria, spores, etc.) rendering them inactive by oxidation. Nature does the same thing. Sunlight and thunderstorms both create natural ozone. Indoor environments can be cleaned and enhanced by periodic fogging with ozone to reduce levels of airborne contaminants.

## ◆ BENEFITS

- **Cleaner smelling air**
- **Reduced levels of many allergens**
- **Reduced levels of microscopic organisms**
- **Lower cost compared to other odor control methods**
- **Permanent odor removal**

## ◆ FEATURES

- **Sturdy stainless steel construction**
- **Sturdy handle for hanging or carrying**
- **Continuous operation**
- **Infrequent periodic maintenance is simple**
- **No expensive filters to replace**
- **Portable, light weight**
- **Very high ozone output**

## ◆ Installation

The EDENAIR FM-1 is portable and ready to plug in as it comes from the box. Its effectiveness depends on the amount of ozone that is dispersed and allowed to contact the ambient air.

- Place the FM-1 as close to the offending agent as possible. The ozone concentration is highest as it exits the unit.
- Place the FM-1 as high in the room as possible. Ozone is heavier than air and will drift down, neutralizing offending agents in its path.
- Use existing air currents or larger circulating fans to help disperse the ozone. The ozone will cover large areas as it travel on drafts or moving air, neutralizing odors along its path.

## ◆ OPERATION

Depress the ON button. When the machine is ON, the button glows red. A bleach like odor is normal.

## ◆ Maintenance

The EDENAIR FM-1 is relatively maintenance free. Periodically clean the foam filter located on the left side of the unit, by removing and washing it in warm soapy water. Air dry and reinstall. Clean the generator plate at the beginning of each new season, or when you notice that the ozone production has decreased.

- Unplug the FM-1 (**IMPORTANT**)
- Remove the screws that attach the output grill to the cover.
- Remove the grill.
- Carefully grasp the edges of the two ceramic generator plates and slide them out toward you one at a time.
- Wash in warm soapy water using a stiff non-metallic brush to scrub the wire mesh clean. Air dry or use a hair dryer. Do not install wet plates as this will cause arcing and damage the unit.
- Next clean the contact area of the flat stainless steel springs with a Q tip moistened with alcohol.
- Reinstall by carefully sliding the ceramic plates back into the slot, making sure that one of the two springs are making solid contact with each side of the plates.
- Replace the grill and screws, and re-attach the power cord.  
(Machine will not operate without these screws installed)

## TROUBLESHOOTING

Doesn't come on	Check for blown fuse, check cord, electrical outlet.
Can't smell ozone or not as strong as it used to be	Clean the generator plate or replace it if more than two years old.
Not pushing enough air	Clean foam filter on left side

The ceramic generator plates will need to be replaced every year or two, depending on use. (A noticeable decrease in ozone output will occur that is not cured by cleaning.) These can be ordered from Jenesco Inc.

**CAUTION: HIGH VOLTAGE POWER SUPPLY.**

**NEVER REMOVE COVER WITHOUT FIRST UNPLUGGING THE UNIT**

**DO NOT OPERATE CONTINUOUSLY IN INHABITED SPACES.**

Although ozone is a healthful constituent of clean fresh air, high concentrations for prolonged periods can produce respiratory irritation and distress. This unit is capable of producing ozone concentrations that are unsafe when used in confined spaces. Do not direct the output at your face for prolonged periods of time.

### **WARNING**

Use normal precautions, as with any electrical appliance, to avoid possible shock. Avoid exposure to sources of moisture. Use properly grounded electrical outlets.

Specifications:

Electrical	120 V 40 watts, 60 HZ
Fuse	Type 239, 250 Volt, 3 Amp
Fan	38 CFM
Ozone output	2000 mg/hr
Replacement plates	3.5" x 5.5" Type FM ( Qty 2)

Compliant with UL ( 867, 2nd Edition) - CSA ( 187 1st Edition )