

General Use Guidelines

Determine the source of the odor and remove any odor causing substance that can be found. If the odor is from a wet or flooded situation dry the entire area well before starting your ozonation procedure.

Determine the size of the area that will be ozonated. Multiply the width by the length by the height to determine the total cubic feet of the area.

The following suggestions are general. The actual time it will take to remove an odor or to purify an area depends on many variables such as pollutant load, temperature, humidity, etc.

Divide the fan output (TZ-1 & TZ-2 = 100 cfm, TZ-4 & TZ-8 = 400 cfm) into the total cubic feet to be ozonated. Example: 10' wide x 10' long x 10' high room = 1000 cubic feet. Divide 100 cfm (TZ-1) into 1000 = 10. It will take ten minutes for a TZ-1 to completely fill that area with ozone. Our general rule of thumb is. Whatever the final figure you come up with once you divide the fan cfm, from the unit you are using, into the total cubic feet of the area you are ozoning you would double that time for a TZ-1, use that exact time for a TZ-2. Use the exact time for a TZ-4, and cut the time in half if you are using a TZ-8.

Examples for 1000 cubic feet.

TZ-1 (100 cfm times 2) = 20 Minutes

TZ-2 (100 cfm) = 10 Minutes

TZ-4 (400 cfm) = 2.5 Minutes

TZ-8 (400 cfm divided by 2) = 1.25 Minutes

As stated above, these are just general guidelines. In some cases you will have to go longer and in other cases you will go shorter. Once you have become experienced with using ozone for odor removal you will be able to determine the treatment times from your past experiences. As you can tell by the examples above the TZ-4 & TZ-8 are strong units designed for large areas but they are adjustable for variable, 100, 200, 300 and 400 cfm, output so you can use them in small areas.

Set your ozone generator by the air conditioner return if possible. If there is no air conditioning set the unit in the middle of the area. You may want to use additional fans to help distribute the ozone. If there is AC set the

thermostat on constant fan and adjust the temperature control to a low (cold) setting. Ozone generators work best in a cool, low humidity environment. The secondary benefit of running the AC is that you will purify the inside of the ductwork where mold and mildew love to grow. After the treatment, when the AC is turned on, the air will be clean and fresh with no germs, pollutants or irritants blended into it. The above also should be followed when ozoning automobiles. Smoke and stale odors will stay in a car's AC ducts if you do not run the AC.

Close all exterior doors and windows. Set the ozone generator's timer for the time you have determined that will be needed. Make note of this time, as you do not want to return to the treated area until at least 20 minutes after the equipment has shut off. If you must enter the area before the ozone has had time to convert back to oxygen open all windows and doors to vent the ozone. DO NOT breathe high levels of ozone. International Ozone Technologies Group, Inc. offers a small digital ozone monitor that can be used to tell if the ozone levels are too high. Be safe and use common sense at all times when you are using ozone.