

Who we are.

Servpro of Greater Boulder is a local cleaning and restoration business that has been operating for over 26 years. We are based out of Boulder and serve the surrounding areas as well. We offer a variety of different services apart from deodorization including:

RESTORATION:

- Fire, Smoke and Soot
- Water Removal and Dehumidification
- Mold Mitigation and Remediation
- Catastrophe Storm Response
- Move Outs and Contents Restoration

CLEANING:

- Carpet, Upholstery, Drapes and Blinds
- Ceilings, Walls and Hard Floors
- Odor Identification and Elimination
- Deodorization
- Biohazard, Crime Scene and Vandalism



Servpro of Greater Boulder

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B O U L D E R

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BUSINESS IN BOULDER FOR
OVER 26 YEARS!

Deodorization & Air Purification



SERVPRO OF BOULDER

How we deodorize...

There are two general methods of deodorization. The first method involves the use of ozone to purify the air. Our ozone generator is the most modern, technically advanced ozone generation system on the market today. The ozone generator produces O_3 molecules that react with odors to eliminate them. Our second method of deodorization in-



The ozone generator

volves the use of space age technology through the use of titanium dioxide. Our titan air purifier not only scrubs the air but also purifies it. A great benefit of this type of deodorization is that it can be run while a home or building is inhabited. Both methods do a tremendous job of eliminating odors at the source and ridding the building of them for good.

The Ozone Generator -

How it works

The ozone generator utilizes a patented "SP-ARC" (Silicate Polarized Arc) corona discharge technology. This new technology consists of a module comprised of two quartz sleeves containing a proprietary, highly conductive substance surrounding a stainless steel electrode. The two sleeves are mounted so as to facilitate a gap between of 3/32". One electrode is connected to ground while the other is charged with a high voltage at a very low current. This charge creates an arc in the air gap between the two sleeves which is known as "Corona Discharge." When oxygen, O_2 , passes through this arc some of the molecules are split resulting in free oxygen atoms. These free atoms combine back with intact O_2 molecules resulting in O_3 which is ozone. This ozone reacts with odor causing agents and eliminates them.

The Titan-

How it works

UV rays in the 365 nanometer wavelength, which are safe to look at and let shine on your skin, are emitted from Titan's TiO_2 Anatase Coated Glass Sleeve, which is designed to hold the maximum amount of Titanium Dioxide. As a result, electron hole pairs are formed that react with H_2O and O_2 in the air and produce free electrons and hydroxyl radicals that when dispersed by the fan will decompose organic and inorganic gases and air pollutants into

carbon dioxide and water. The Titan is safe to use at any time with or without people or animals in the treatment area.



The Titan air scrubber and purifier.

Uses of

Deodorization

- Smoke odor due to fire or smoking
- Damp mildew smell due to water damage
- Pets and pests
- Mold Remediation
- Any other types of smells or odors that are irritating or need to be eliminated

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