

# GTODC-GM Ozone Destruct Catalyst

## PRODUCT DESCRIPTIONS

GTODC-GM catalyst is made of manganese-based composite metal oxide with ozone catalytic decomposition activity. The catalyst is mainly aimed at the purification of medium and high concentration ozone emissions. It can quickly catalyze and decompose ozone into non-toxic oxygen at room temperature. The catalyst does not contain carbon elements and there is no risk of explosion.

## PRODUCT FEATURES

### ► **More Active Materials**

GTODC-GM is made of pure active component (manganese-based composite metal oxide) without support material. Under the same working conditions, its ozone decomposition rate is higher and more stable than similar products.

### ► **More Processing Power**

GTODC-GM ozone destruction catalyst is mainly designed and developed for the decomposition of high-concentration ozone (specially suitable for  $O_3 \geq 500$ ppm), and it is also safe and effective for low-concentration ozone.

### ► **High Temperature Resistance**

GTODC-GM catalyst does not use carbon, which will not cause a large amount of heat to be generated during the ozone decomposition process and cause the catalyst to burn and pulverize.

### ► **High Moisture Resistance**

GTODC-GM catalyst is made of a composite metal oxide with catalytic activity, and it works normally in an environment with a relative humidity of 90%.



## TECHNICAL SPECIFICATIONS

<b>Catalyst Appearance</b>	Dark brown columnar particles
<b>Product size</b>	$\varphi(2-4\text{mm}) \times (5-15\text{mm})$
<b>Body Material</b>	Manganese-based composite metal oxide
<b>Coating Material</b>	None
<b>Bulk Density</b>	600-800 kg/m <sup>3</sup>
<b>Specific Surface Area</b>	$\geq 600$ m <sup>2</sup> /g
<b>Suitable O<sub>3</sub> Concentration</b>	$\geq 1000$ ppm
<b>Applicable Humidity</b>	$\leq 90\%$
<b>Applicable Airspeed</b>	10,000-50,000 h <sup>-1</sup>
<b>Working Temperature</b>	$\geq 70$ °F
<b>Purification efficiency</b>	95-99.9%
<b>Purification Depth</b>	0.01 ppm
<b>Service Life</b>	1-3 year
<b>Product Packaging</b>	Bag or Barrel