

GTODC-GC Ozone Destruct Catalyst

PRODUCT DESCRIPTIONS

GTODC-GC catalyst uses modified activated carbon as a carrier and nano-composite metal oxide as its catalytically active component. The catalyst is mainly used to purify the emission of low-medium concentration ozone ($O_3 \leq 500$ ppm). It can quickly decompose ozone into non-toxic oxygen at room temperature. The catalyst has the characteristics of relatively small bulk density, lower cost.

PRODUCT FEATURES

▶ **Activated Carbon Supports**

GTODC-GC uses activated carbon as a carrier and is suitable for the catalytic decomposition and removal of low-concentration ozone. It has the characteristics of high O_3 removal rate, low bulk ratio and low use cost.

▶ **Firm Surface Coating**

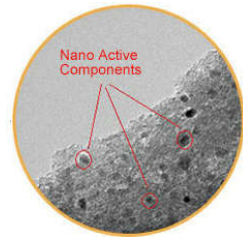
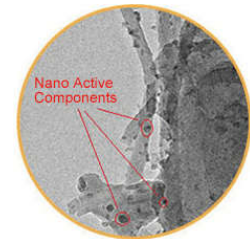
The carrier with high specific surface area is loaded with highly dispersed nano active sites, the catalytic decomposition efficiency of ozone is higher, and the ozone is instantly converted into oxygen at room temperature.

▶ **High Catalytic Activity**

The catalyst adopts a composite multi-element catalyst system. After years of technical research and use verification, the catalyst has high catalytic activity and high stability.

▶ **High moisture Resistance**

The coating of the ozone catalyst adopts rare earth composite oxide with high catalytic activity, which has a stable structure and can resist high humidity.



TECHNICAL SPECIFICATIONS

Catalyst Appearance	Black columnar particles
Product size	$\varphi(2-4\text{mm}) \times (3-10\text{mm})$
Body Material	Modified activated carbon
Coating Material	Nano composite metal oxide
Bulk Density	300-500 kg/m ³
Specific Surface Area	≥ 800 m ² /g
Suitable O₃ Concentration	≤ 500 ppm
Applicable Humidity	$\leq 90\%$
Applicable Airspeed	10,000-50,000 h ⁻¹
Working Temperature	≥ 70 °F
Purification efficiency	95-99.9%
Purification Depth	0.01 ppm
Service Life	1-3 year
Product Packaging	Bag or Barrel