



CAT-03 Series

Catalytic Ozone Destructs



- All Welded Construction
- Self Contained
- Rapid Reaction Time
- No Consumables
- No Maintenance
- Simple Installation

————— *Ideal for Semiconductor Applications* —————

The CAT-03 series of ozone destructs safely decompose high concentrations of ozone gas to sub-ppm levels that are below recommended ozone safety limits. The catalytic method of decomposition uses a metal oxide catalyst to passively convert the ozone to oxygen.

The CAT-03 series of ozone destructs are made from a welded stainless steel enclosure protected with a heat shield. They are carefully designed to meet the industry's stringent safety performance requirements.

Applications

- CVD TEOS/Ozone
- ALD
- MOCVD
- Ashers
- Wet Benches
- Spray Tools & More



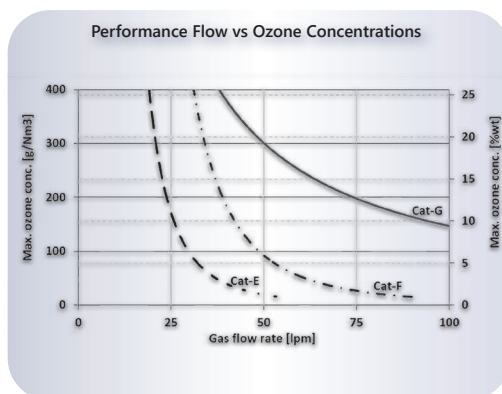
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Model	CAT-03-E		CAT-03-F	CAT-03-G
Application	Catalytic Ozone Destruct			
Principle of Operation	Catalytic			
Catalyst	Manganese Dioxide Based Compound			
Outlet Concentration	< 0.01 ppm (well below OSHA requirements)			
Material	Aluminum with SS fittings			
Capacity (up to)	20 SLPM at 340 g/Nm3	32 SLPM at 340 g/Nm3	88 SLPM at 200 g/Nm3	
Inlet/Outlets	1/2" stainless steel stubs or 1/2" male VCR	1/2" stainless steel stubs or 1/2" male VCR	3/4" male VCR	
Dimensions*	19"L x 5.13"H x 4"Diameter (482.6 x 130.3 x 101.6 mm)	27.50"L x 5.13"H x 4"Diameter (698.5 x 130.3 x 101.6 mm)	32"L x 7.56"H x 7"Diameter (812.8 x 192 x 177.8 mm)	
External Temperature	Below 30° C or 86° F			
Maintenance	None			
Lifetime	3 to 5 years or longer			
Warranty	1 year			

*Height and Length dimensions include exterior cover and mount



Ozone Instrumentation for Every Application					
Model	Generator Output	Off Gas Detection	Safety/Leak Detection	Dissolved Ozone	Spot Checking
465L		●	●		
465M		●	●		
465H	●				
454	●	●			
452	●				
430			●		●
W1 + 465L				●	
470				●	



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