



CAT-O3™ SERIES

# Catalytic Ozone Destructs

- Ideal for semiconductor applications -



## Features

- All welded construction
- Self contained
- Rapid reaction time
- No consumables
- No maintenance
- Simple installation

The CAT-O3 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-O3 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.

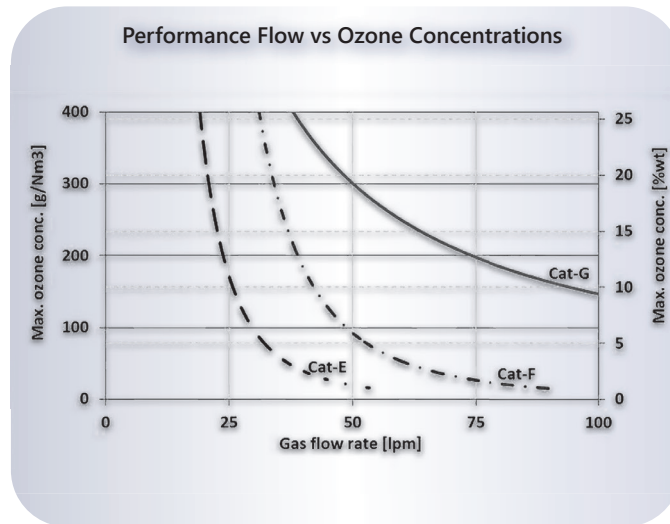
## Applications

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

# Catalytic Ozone Destructs

## Specifications

Model	CAT-O3-E		CAT-O3-F		CAT-O3-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/Nm <sup>3</sup>		32 SLPM at 340 g/Nm <sup>3</sup>		88 SLPM at 200 g/Nm <sup>3</sup>		
● Inlet/Outlets	½" stainless steel stubs or ½" male VCR		½" stainless steel stubs or ½" male VCR		¾" male VCR		
● Outside Cylinder Dimensions	inches	mm	inches	mm	inches	mm	
	Length	17.00	431.80	25.50	640.08	23.28	591.30
	Diameter	4.00	101.60	4.00	101.60	7.00	177.80
	Cover (height)	5.13	130.30	5.13	130.30	7.38	187.50
● External Temperature	Below 30°C or 86°F						
● Maintenance	None						
● Lifetime	3 to 5 years or longer						
● Heater Option	Available for wet, off gas applications						
● Warranty	1 year						



— OZONE INSTRUMENTATION FOR EVERY APPLICATION —					
Model	Generator Output	Off Gas Detection	Safety / Leak Detection	Dissolved Ozone	Spot Checking
480L		●	●		
480M		●	●		
480H	●				
454	●	●			
452	●				
430			●		●
W1 + 480L				●	
470				●	

Specifications subject to change without notice. All specifications are based on constant conditions. Printed documents are uncontrolled. SAL000100B (DCN 8349) 11.04.20