

AIR STERILIZER CAT-SD



APPLICATION

CAT-SD has been developed specifically to meet the need for effective and reliable odour control, the elimination of airborne bacteria, viruses, moulds and the retardation of surface bacteria, viruses and moulds, without the use of chemicals

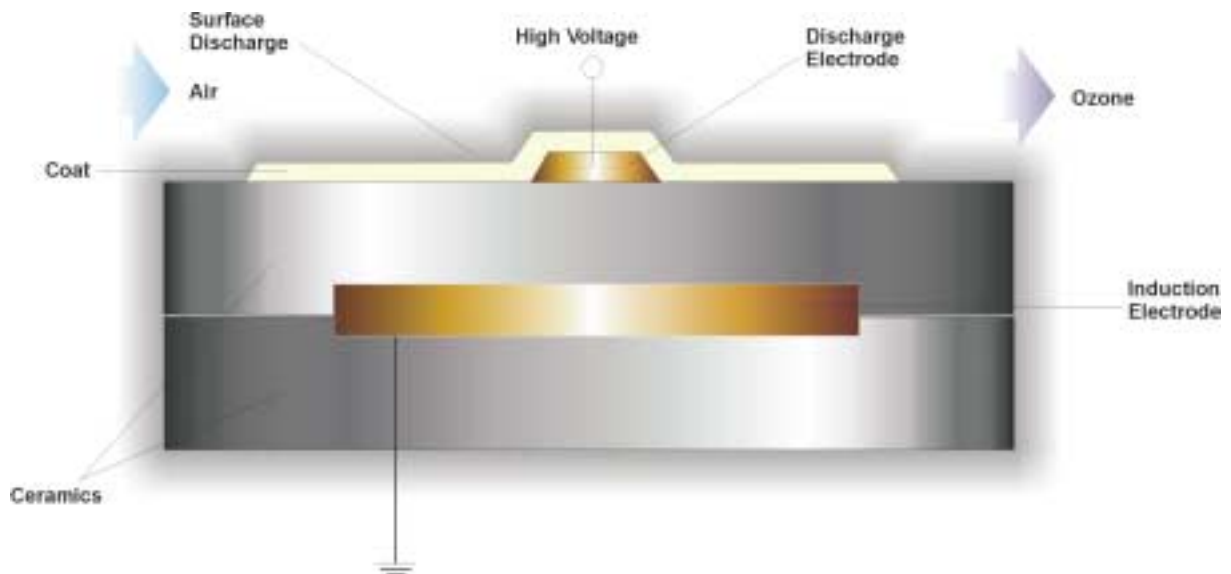
FEATURES

- No chemicals
- Plug and play solution
- Stainless steel design
- High efficient
- Long life discharge electrode is made of a coated ceramics
- Generates stable ozone even at high humidity
- Discharge surface easily reached for cleaning purposes

CONSTRUCTION PRINCIPLE

CAT-SD operates on well established scientific principles. A high frequency, high voltage is applied between a linear discharge electrode on the surface of a thin uniform high purity ceramic plate and an internal induction electrode. A surface discharge is generated from the edge of the linear discharge electrode to ozonize the oxygen in the air.

This activated oxygen mixture which contains all three forms of oxygen – O, O₂, O₃ (trace), is a very active oxidizer that attacks organic molecules in the air and destroys bacteria and micro organisms by breaking down their pertinacious structure. Similarly, osmogens (odour producing particles) are oxidized into water vapour and other harmless compounds.



TECHNICAL DATA

CAT-SD		01	02	03	04	05
Ozone concentration	µg O ₃ /h m ³	100	250	500	1000	5000
Power supply		230/110 VAC-50/60 Hz				
Dimension	B/mm	120	440	440	440	440
	H/mm	70	165	165	165	165
	T/mm	65	153	153	153	153
Carrier gas		Ambient air/ <35 °C / <90 %rH				
Air flow	m ³ /h	10	50	50	50	80
Power consumption	Wh/h	10	20	30	50	250
Weight	kg	0,3	4,1	4,3	4,7	5,8
Approval		CE				

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