

Technical Specification - UV OZONE CLEANER

Sl.No	Item	Description	Compliance	Remarks
1	Sample stage	Aluminium	Yes/No	
2	Sample stage diameter	300 mm	Yes/No	
3	Temperature control	PID resistive heater to set temperature from RT to 300° C	Yes/No	
4	Gas Ports	Two ports standard	Yes/No	
5	UV lamp type	Mercury vapour grid lamp	Yes/No	
6	UV lamp wavelength	184.9 and 253.7 nm	Yes/No	
7	UV lamp life	Should be quoted in Hours	Yes/No	
8	Ozone killer (converter at exhaust)	Mandatory	Yes/No	
9	Minimum substrate size	150 mm * 150 mm * 0.7 mm	Yes/No	
10	Safety interlock	Mandatory	Yes/No	
11	Ozone detection system	Optional	Yes/No	
12	Timer	Digital display	Yes/No	Should be quoted separately
13	Adjustable exposure time	Mandatory	Yes/No	
14	Power input	230 V, 50 Hz	Yes/No	
15	Drawings, Manuals and user training	Electrical drawings and manuals (Hard & soft copy) to be given after installation and acceptance of equipment. Training should be given to the IIT Madras personnel	Yes/No	
16	Warranty	One year standard warranty	Yes/No	
17	Shipping terms	DAP at IIT Madras site	Yes/No	
18	Facility details	Detailed information of facilities should be provided	Yes/No	Including DI water, Nitrogen, Oxygen, Exhaust, Drain and Power consumption details
19	Installation, and Commissioning	Installation and commissioning is to be carried out by the vendor's factory-trained engineers, followed by a demonstration of the system's performance at IIT Madras	Yes/No	



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Important Notes:

1. Please provide complete drawing of the system along with utilities connection and range. We may reject the tender if a proper drawing is not provided OR if the outlay/design proposed is not found satisfactory.
2. Please provide photographs, drawings and technical specifications of the equipment.
3. Please provide at least 3 references of laboratories (in India) where you have installed similar systems with full specification of the systems. We may reject the tender if we find the reference systems unsatisfactory.
4. Please provide details of after sales service. The supplier should have service centre or facility with complete infrastructure in India to handle major repair of the system. Critical spares should be available off the shelf in Indian offices. In case of a break down, maintenance and replacement of parts should be possible at purchaser's site. We may reject the quote if the after-sales service details or feedback from previous purchasers are found unsatisfactory.
5. Please provide separate technical and financial bids in sealed envelopes.
6. Please mark tender number on top of the cover envelope.
7. Provide list of mandatory and optional spares along with wear & tear consumables list.

