

Technical Specifications

DRIVE MOTOR	Nanotek® Specifications	Remarks
Make	UL Approved American make motor	High speed motor (25000+ rpm) for maximum thrust that breaks the liquid into fine sub-micron size droplets
Rating	1.150 KW	
Supply Voltage	230 V AC +/- 10% single phase	Standard single-phase supply in India
Frequency	50 Hz	
Full Load Current	3.6 Amps	
Certifications	UL Approved	Certified UL approved for complete safety
Life of the motor	3000 working hours	The motor is designed for high level and reliability and longevity.
TIMER SWITCH	Nanotek® Specifications	Remarks
Make	UL & CE Approved Electromechanical	Electromechanical timer is given for high level of reliability and longevity. (Digital timers start giving maintenance issues due to exposure to humidity injected by the ULV Fogger)
Defined time-range	0 to 120 minutes (minimum 10 minutes)	Can be used for as low as 10 minutes and maximum 120 minutes depending on the size of the Operating Room.
Timer dial	Calibrated for time & volume for easy operation	Easy calibration for time & volume to avoid tedious calculations and ease of use at the lowest operator level.
Certification	UL & CE Approved	The timer switch UL & CE approved for complete safety
MATERIAL OF CONSTRUCTION	Nanotek® Specifications	Remarks
Blower Head	99.9% special grade Aluminium	Non-corrosive. Disinfectants are highly acidic and continuous exposure could lead to corrosion in other materials
Disinfectant Tank	SS 316 L non-magnetic grade	Non-corrosive. Disinfectants are highly acidic and continuous exposure could lead to corrosion in other materials
Hardware	SS 304	Non-corrosive. Disinfectants are highly acidic and continuous exposure could lead to corrosion in other materials
Wetted parts	SS 316	Non-corrosive. Disinfectants are highly acidic and continuous exposure could lead to corrosion in other materials
Suction Tubing	Medical grade silicon tubing	
Grommets/Gaskets	Nitrile Rubber	
Anti-skid gasket	Nitrile rubber	to prevent skidding on smooth surfaces due to vibrations
All other parts	Polyamide / PP / ABS	Non-corrosive. Disinfectants are highly acidic and continuous exposure could lead to corrosion in other materials
PERFORMANCE	Nanotek® Specifications	Remarks
Nozzle	Vortex type	
Droplet Size	0.33 to 0.63 microns in major zone (Validated by a government institution)	The use of ULV fogger is for aerial disinfection/sterilisation. The extremely small droplet size of less than 1 micron ensures that the disinfectant solution remains in the air for the maximum amount and time and also does not cause floor wetting.
Tank capacity	5 litres net	Optimum for OT size up to 1500 square feet with a 10 feet height ceiling
Output flow per hour	18 – 22 minutes	Optimum timing to achieve the sub-micron size droplets. If the flow is increased, the droplet size will also increase
Range of setting angle	Up to 45° max	This is to ensure maximum coverage
Max throw in still air	Up to 5 meters / 16 feet	This ensures complete coverage in the Operation Theatre and reaches all corners of the OT.
Coverage	Up to 15,000 cubic feet in a single fill of 5 Liters	Maximum coverage due to sub-micron size droplets. This ensures maximum efficacy and low disinfectant usage.
DIMENSIONS	Nanotek® Specifications	Remarks
L x B x W before packing	405 x 215 x 470	-
Weight before packing	4.5 Kg Max	Lightweight for easy portability and movement
L x B x W after packing	460 x 280 x 590	-
Weight after packing	6.75 kg Max	-

Manufactured by: