

The Pursuit of Excellence

Nebulised H_2O_2 Dry Fog Generator
Bio Decontamination For Sterile Spaces



- Flexible nozzle set up, 4 directional dry fog output with high thrust ensures 360deg coverage even in complex area layouts.
- High volume dry fog output ensure medium to large space coverage.
- Generates dry disinfection vapour of H_2O_2 based disinfectants.
- Gas like diffusion and uniform exposure.
- Enhances standard bio cleaning process

SATEJ TM **Alpha**

www.radiantinnovations.in

4 Nozzle Nebulisation output ensures 360° treatment



Nozzle Direction Flexibility enhances ability to direct fog in required direction in line with existing room set up & layout

Control unit allows selection of 4 directional mode /three directional mode / two directional mode or single directional mode of operation

4NZ, 3NZ, 2NZ, 1NZ operational mode choice for varying requirement.

Engineered to be tough and operationally efficient, designed & manufactured from healthcare n pharmaceutical clean room compliant sanitary materials.

Built for bio-decontamination in Pharmaceutical production area, sterile areas, Microbiology labs, life science industry & healthcare facilities.

Effective dispersion & penetration into all inaccessible areas.

EASY TO HANDLE

Plug-and-play mobile unit.

Touch screen HMI for easy start-up and device set-up.

SECURED PROCESS

- Digital registration of different variables that will ensure cycle has been properly performed.
- Digitally controlled dispensing & disinfection process cycle.
- Accurate & Reproducible results.



DATA TRACEABILITY

Cycle Process data log traceable, retrievable with in PDF format reports. Can retrieve the following information for each process:

- Treatment Date & Time
- User name, Room Name, Room volume
- Disinfectant Name, Total Consumption of Disinfectant in ml, Treatment duration
- Application dosage (options: 6ml/M3, 9ml/M3, 12ml/M3, 15ml/M3.... 36ml/M3)



FEATURES

- 6 to 8 % H₂O₂ formulation, final diluted product, highly effective for Bio-decontamination
- Ultra low consumption: 200ml/1000 ft³ - 6ml/m³
- Treatment volume of space up to 400m³/13000 ft³
- Microbiologically validated process ensures Effective destruction of pathogens & multi resistant microorganisms.
- Uses medical grade clean air
- Complies with aseptic area & sterile area norms for airborne disinfection process as well as device.
- Absolutely safe for use in presence of medical equipment, Lab equipment.
- No requirement of Aeration, as proven results at 6-8% of H₂O₂ formulations, usage @12ML/M³ treatment (or various choices of application dosages)
- Post-treatment, no residue once HVAC is restarted.
- Offers a sustainable use protocol compared to 30% TO 35% H₂O₂ in other systems which are highly corrosive, difficult to handle, and expensive.
- Completely indigenized system.
- Inbuilt drying cycle after every process ensures least maintenance and reduced chance of nozzle clogging.

- Reminder on touch screen for efficient process execution & maintenance.
- Password protected & defined USER and MANAGER rights
- Easy to service and maintain with all spares locally available.

MATERIALS & SPECIFICATIONS

- All stainless steel unit 304 grade unit
 - Easy to refill or replace disinfectant container.
 - All key components in SS316 : Nozzle assembly
 - Liquid line parts.
 - Liquid line tubing: Medical grade.
 - Air line parts: SS304, SS316, Engineering plastics.
 - Power supply : 15amps, 230Vac, 50Hz/60Hz
 - Dimensions : 450mm L X 550mm W X 850mm H
 - Empty weight : 62kg
- *specifications are subject to change

APPLICATIONS

- Hospitals: Operation Theatres, ICUs
- Pharmaceutical Mfg. Plants : Sterile areas
- Laboratories : Microbiology, Tissue Culture
- Bio decontamination Treatment again Disease Epidemic

DIGITAL USER INTERFACE FOR AUTOMATED PROCESS

- Enter room size & set the volume of room under the treatment.
- Pour required solution advised by the machine.
- Delayed start to leave the premises & Auto OFF operations.

CAN SAVE 100 ROOM SIZES WITH LENGTH X WIDTH X HEIGHT, ROOM NAME, ROOM NUMBER, APPLICATION DOSAGE, DISINFECTANT DILUTION RECORD ETC TO EXECUTE PRE-SAVED TREATMENT CYCLE.

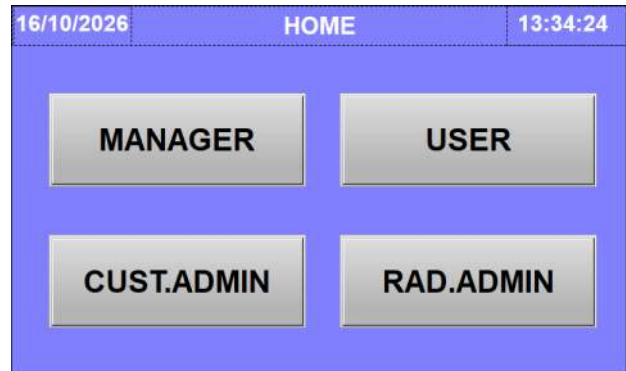
SATEJ Alpha™



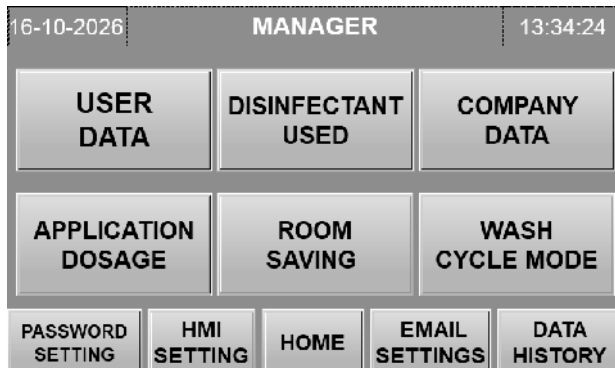
LAN CONNECTION



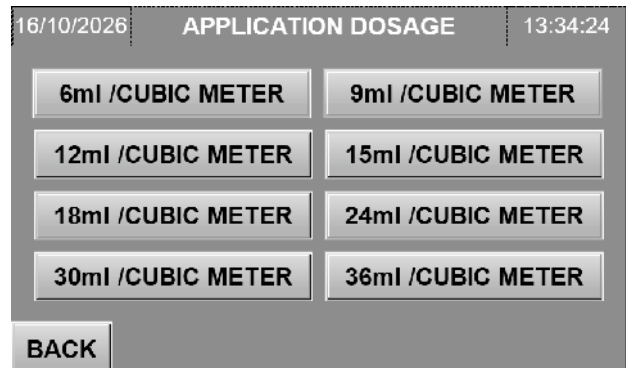
MAIN SCREEN



MANAGER SCREEN



APPLICATION DOSAGE SCREEN



ROOM SAVING 1

16-10-2026		ROOM SAVING		13:34:24	
ROOM NO :	100				
ROOM NAME :	PRODUCTION HALL				
LENGTH :	6.0	MTR.			
WIDTH :	5.0	MTR.			
HEIGHT :	4.0	MTR.			
ROOM VOLUME :	90.0	m³			
TREATMENT DURATION :	10	MIN.	00	SEC.	
BACK		ROOM DATA		NEXT	

ROOM SAVING 2 NOZZLE SELECTION

16-10-2026		ROOM SAVING		13:34:24	
ROOM NO :	100				
DISINFECTANT USED :	270	ml.			
DM WATER / WFI USED :	270	ml.			
REQD.SOLUTION :	540	ml			
1 NZ		2 NZ		3 NZ	
				4 NZ	
BACK				SAVE	

USER DATA

16-10-2026		USER DATA		13:34:24	
	NAME	PASSWORD			
1	PARTH	111111			
2	CHIRAG	222222			
3	HARSH	333333			
4	SURAJ	444444			
5	RAMESH	555555			
BACK		NEXT			

ROOM SELECTION 1

16-10-2026		ROOM SELECTION		13:34:24	
ROOM NO :	100				
ROOM NAME :	PRODUCTION HALL				
LENGTH :	6.0	MTR.	NOZZLE SELECTION :		
WIDTH :	5.0	MTR.	4 NZ		
HEIGHT :	4.0	MTR.			
ROOM VOLUME :	90.0	m³			
DISINFECTANT USED :	270	ml.			
DM WATER / WFI USED :	270	ml.			
BACK		NEXT			

ROOM SELECTION 2

16-10-2026		TREATMENT IN PROCESS		13:34:24	
ROOM NO :	100	NZ MODE :	4 NZ		
ROOM NAME :	PRODUCTION HALL				
LENGTH :	6.0	MTR.	START DELAY		
WIDTH :	5.0	MTR.	60	SEC.	
HEIGHT :	4.0	MTR.	59	SEC.	
ROOM VOLUME :	90.0	m³	APP. DOSAGE 6.0		
REQD.SOLUTION :	540	ml			
TREATMENT DURATION :	10	MINUTE	00	SEC.	
BACK		START			

DATA HISTORY

16-10-2026		DATA HISTORY		13:34:24	
Sl. No.	TIME	DATE	THREATENED	NO. OF NOZZLES	NO. OF NOZZLES
1	17:34:30	16/08/2026	22	GM 4	4
2	18:01:30	16/08/2026	25	DMF	4
3	18:06:30	16/08/2026	24	DMF	4
4	18:12:30	16/08/2026	25	DMF	4
PDF PAGE					

TEST REPORT

COMPANY NAME:-				RADIANT ENTERPRISE					MACHINE MODEL:-			SATEJ ALPHA				
ADDRESS:-				815/2,OPPKANALLOYS,SANTEJ,AHMEDABAD.												
MANAGER NAME:-				PTP					MACHINE SR. NO. :-			135/08-2026				
DEPARTMENT:-				PRODUCTION					MAKE :-			RADIANT ENTERPRISE,INDIA				
DATE DD/MM /YYYY	TIME HH:MM	TREATMENT NO.	TREATMENT MODE	USER NAME	ROOM NO.	ROOM NAME	NOZZLE MODE	ROOM VOLUME M³	DISINFECTANT NAME	DISINFECTANT USED IN ML	WATER USED IN ML	TOTAL SOLUTION USED IN ML	TREATMENT DURATION MM:SS	APPLICATION DOSAGE ML/M³	USER'S SIGN	MANAGER'S SIGN
18/8/2026	17:34	32	GM 4	H	101	HALL	4NZ	66.0	AEROS 3D	395	395	791	24 : 43	12.0		
18/8/2026	18:13	33	GM 4	A	101	HALL	4NZ	26.3	AEROS 3D	157	157	315	9 : 50	12.0		
18/8/2026	18:06	34	GM 4	H	101	HALL	4NZ	18.0	AEROS 3D	54	54	108	2 : 0	6.0		
18/8/2026	18:12	35	GM 4	H	101	HALL	4NZ	18.0	AEROS 3D	54	54	108	2 : 0	6.0		
20/8/2026	11:26	36	GM 4	H	101	HALL	4NZ	18.0	AEROS 3D	54	54	108	2 : 0	6.0		
20/8/2026	17:13	37	GM 4	H	101	HALL	4NZ	9.0	AEROS 3D	27	27	54	1 : 0	6.0		
21/8/2026	12:06	39	GM 2	H	101	HALL	2NZ1&2	18.0	AEROS 3D	54	54	108	2 : 0	6.0		
21/8/2026	14:22	40	GM 4	H	101	HALL	4NZ	9.0	AEROS 3D	27	27	54	1 : 0	6.0		



Radiant Enterprise
www.radiantinnovations.in

Ph. +91 79 40077319, Mo. +91 9825050930, 9909006645, 9909006620.
Email: info@fogstarindia.com • sales@fogstarindia.com