

The Pursuit of Excellence

Automated **VHP Generator** for bio decontamination



- Generates dry disinfection vapour of H₂O₂ based disinfectants.
- Gas like diffusion and uniform exposure.
- Enhances standard bio cleaning process

SATEJ PLUS i™

www.radiantinnovations.in

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.

Reproducible results

FEATURES

- Ultra low consumption: 200ml/1000 ft3 - 7ml/m3
- Treatment volume of space up to 500m3/17500 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 OT/medical equipment.

DATA TRACEABILITY

Process data traceable, retrievable with USB drive. Can retrieve the following information for each process:

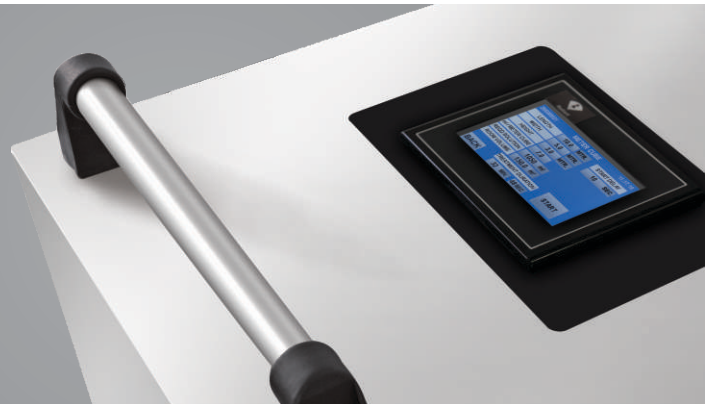
- Treatment Date & Time
- User name, Room Name, Room volume
- Disinfectant Name, Total Consumption of
- Disinfectant in ml, Treatment duration
- Application dosage



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 UP TO 20 DIFFERENT ROOM SIZES.



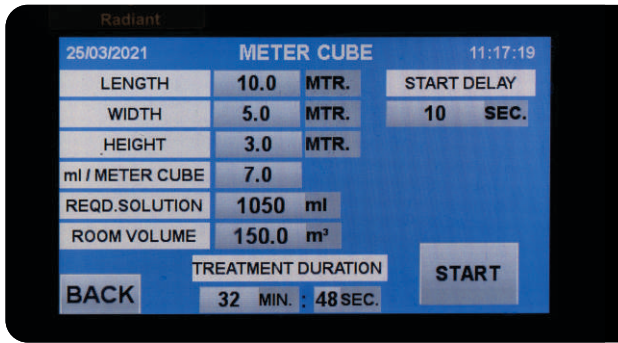
MATERIALS & SPECIFICATIONS

- All stainless steel unit
 - Easy to refill or replace disinfectant container.
 - All key components in SS316 : Nozzle assembly
 - liquid line parts.
 - Liquid and air line tubing: Medical grade.
 - Power supply : 15amps, 230Vac.
 - Dimensions : 425mm L X 515mm W X 795mm H
 - Empty weight : 50kg
- *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

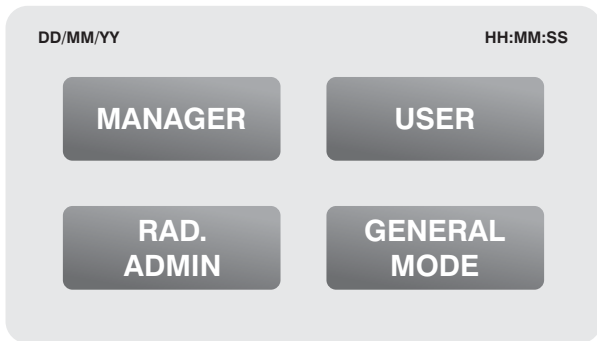
INSIGHT INTO USER FRIENDLY, EXTENSIVE PROGRAM



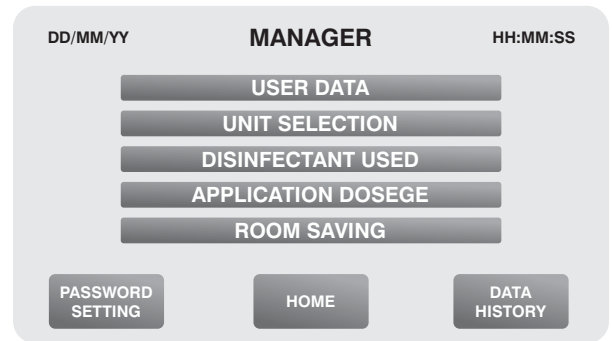
Program Touch Screen



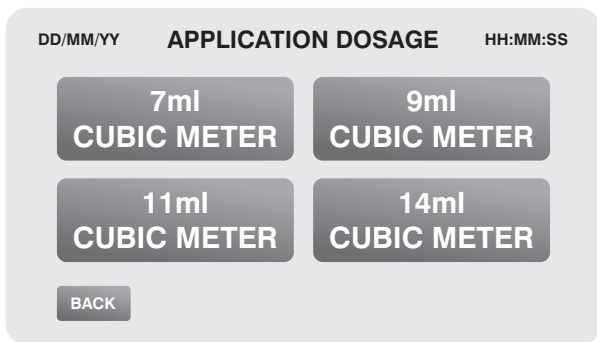
USB drive for data traceability



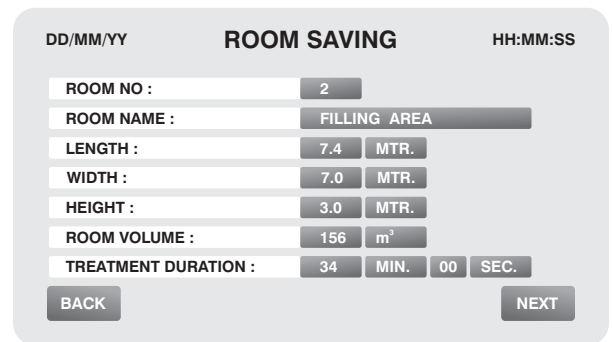
Different user access rights with password protection



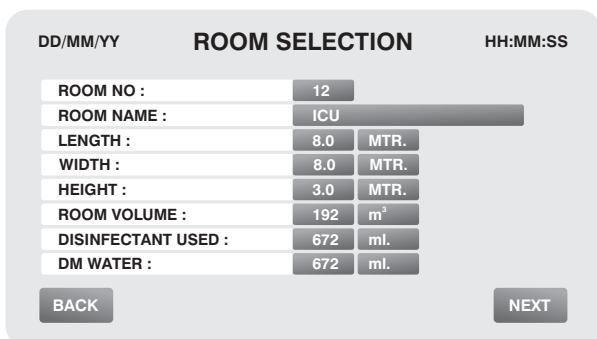
Manager at customer end can set various cycle Parameters and save it.



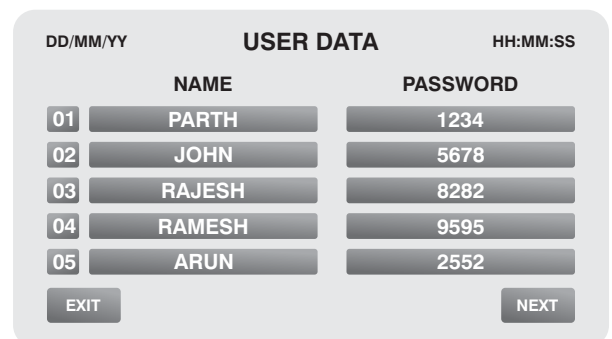
Optional application dosages settable
In addition to standard dosage



Machine can save up to 20 different room sizes.



User can identify pre saved room with
Room no and name.



Offers up to 10 different users password
Protected access.

ENTER PASSWORD

MANAGER

1234

Manager's access rights password protected

DD/MM/YY **METER CUBE** HH:MM:SS

LENGTH : 5.0 MTR.
 WIDTH : 5.0 MTR.
 HEIGHT : 4.0 MTR.
 ml. METER CUBE 7.0
 REQD. SOLUTION 700 ml.
 ROOM VOLUME 100 ml.

TREATMENT DURATION

Enter room size or choose pre saved room for Treatment & machine offers auto calculated process Parameters such as volume of required dilution, Treatment duration to proceed with the cycle.

DD/MM/YY **TREATMENT PROCESS** HH:MM:SS

ROOM NO : 5
 ROOM NAME : PRODUCTION 2
 LENGTH : 8.1 MTR.
 WIDTH : 8.1 MTR.
 HEIGHT : 3.0 MTR.
 ROOM VOLUME : 196 m³
 REQD. SOLUTION : 1372 ml.
 TREATMENT DURATION : 42 52

Display screen when treatment is in progress.

DD/MM/YY **DATA HISTORY** HH:MM:SS

01	TIME	DATE	SR. NO.	USER NAME	ROOM NO.
01	HH:MM:SS	DD/MM/YY	#####	#####	#####
02	HH:MM:SS	DD/MM/YY	#####	#####	#####
03	HH:MM:SS	DD/MM/YY	#####	#####	#####
04	HH:MM:SS	DD/MM/YY	#####	#####	#####

Saved process data tracing and retrieving Through USB drive.

The format of retrieved process data with detailed information on cycle parameters.

DATA REPORT

CUSTOMER NAME

ADDRESS MACHINE MODEL

MACHINE SR. NO DEPARTMENT

MAKE

TIME	DATE	TREATMENT NO.	USER NAME	ROOM NO	ROOM NAME	ROOM VOLUME M ³	DISINFECTANT NAME	DISINFECTANT USED IN ML.	DM WATER USED IN ML.	TOTAL SOLUTION USED IN ML.	TREATMENT DURATION IN MIN.	TREATMENT DURATION IN SEC.	APPLICATION DOSAGE	REMARKS	USER'S SIGN.	MANAGER'S SIGN.
10:00:10	8/16/2021	19	VIJAY	2	FILLING AREA	156.3	H2O2 SOLN	546.5	546.5	1093	34	10	7			
16:50:02	8/16/2021	20	RAMESH	5	PRODUCTION 2	196	H2O2 SOLN	686	686	1372	42	52	7			
9:27:46	8/17/2021	21	DEEPAK	3	LAB 2	56	H2O2 SOLN	196	196	392	12	15	7			
16:18:54	8/17/2021	22	PARBAT	7	LAB 3	15	H2O2 SOLN	82	83	105	3	16	7			
9:19:37	8/18/2021	23	DINESH	10	PRODUCTION 1	18	H2O2 SOLN	81	81	126	3	55	7			
14:34:07	8/18/2021	24	ANKUSH	8	FILLING 1	12	H2O2 SOLN	84	84	84	2	37	7			
17:11:49	8/18/2021	25	AMIT	11	FILLING 2	24	H2O2 SOLN	160	8	168	5	15	7			
14:23:15	8/19/2021	26	RAMESH	6	LAB1	105	H2O2 SOLN	368	367	735	22	57	7			

*Above report is for reference, actual report and format may differ.

