

# The Pursuit of Excellence

Automated **VHP Generator** for bio decontamination



- Runs on compressed air.
- Generates dry disinfection vapour of H<sub>2</sub>O<sub>2</sub> based disinfectants.
- Gas like diffusion and uniform exposure.
- Enhances standard bio cleaning process

**SATEJ 3D i**<sup>TM</sup>  
**PNEUMATIC**

[www.radiantinnovations.in](http://www.radiantinnovations.in)

### 3 Nozzle vaporization output ensures 360° treatment



#### 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

- Equipped with Digital Pressure Switch
- Ultra low consumption: 200ml/1000 ft<sup>3</sup> - 7ml/m<sup>3</sup>
- Treatment volume of space up to 1000m<sup>3</sup>/35000 ft<sup>3</sup>
- Micro biologically validated process ensures Effective destruction of pathogens & multi resistant microorganisms.
- 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 UPTO 20 DIFFERENT ROOM SIZES.**



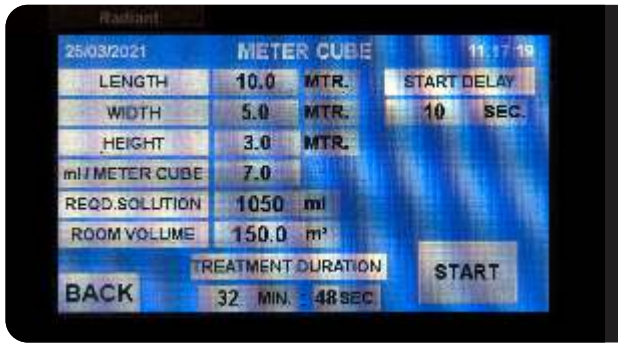
### MATERIALS & SPECIFICATIONS

- Requires 40CFM of compressed air @ 87 PSI (6 bar)
  - All stainless steel unit
  - Tank Capacity : 12 litres
  - Easy to refill or replace disinfectant container.
  - All key components in SS316 : Nozzle assembly
  - liquid line parts, Solution tank
  - Liquid and air line tubing: Medical grade.
  - Power supply : 15amps, 230Vac, 50Hz/60Hz
  - Dimensions : 500mm L X 420mm W X 850mm H
  - Empty weight : 30kg
  - Continuous duty hr - 99 minutes
- \*specifications are subject to change

### APPLICATIONS

- Hospitals: Operation Theatres, ICUs
- Pharmaceutical Mfg. Plants : Sterile areas
- Laboratories : Microbiology, Tissue Culture
- Bio decontamination Treatment against Disease Epidemic
- Medical Device Manufacturing
- Food Processing Plants

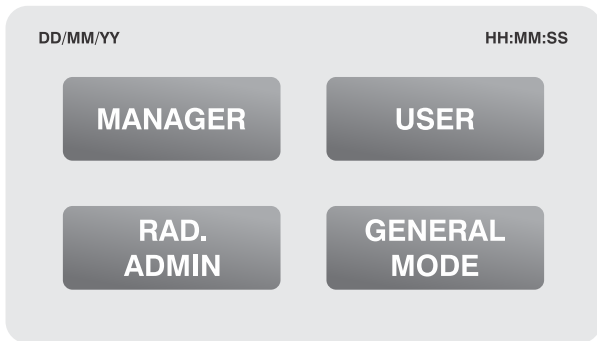
**INSIGHT INTO USER FRIENDLY, EXTENSIVE PROGRAM**



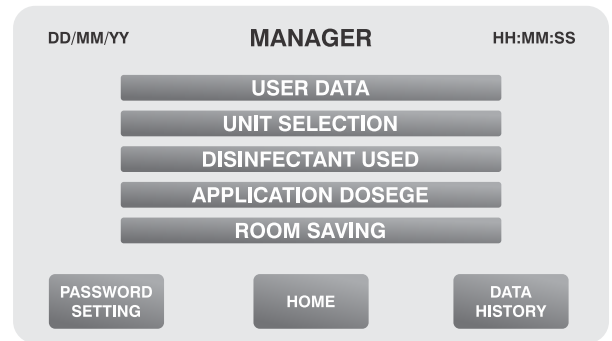
Program Touch Screen



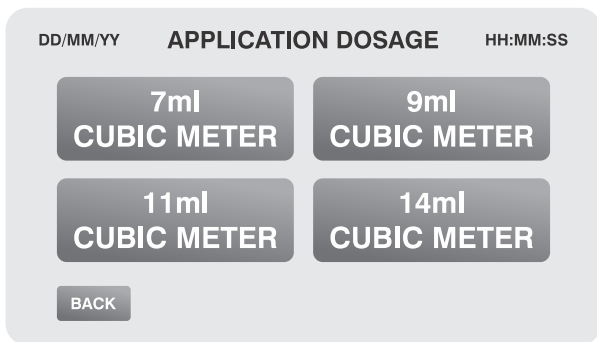
USB drive for data traceability



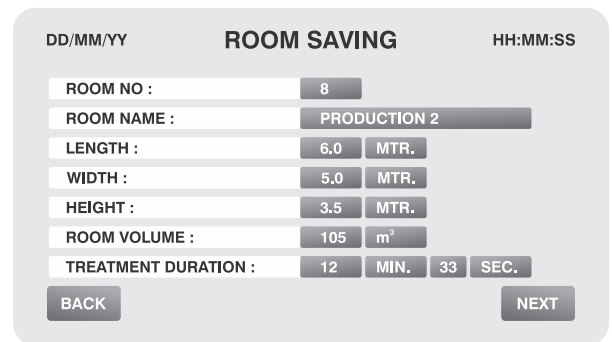
Different user access rights with password protection



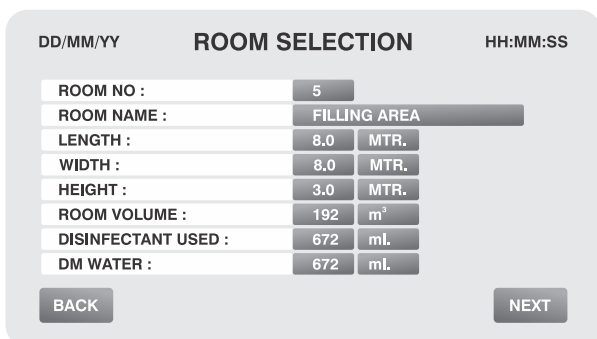
Manager at customer end can set various cycle Parameters and save it.



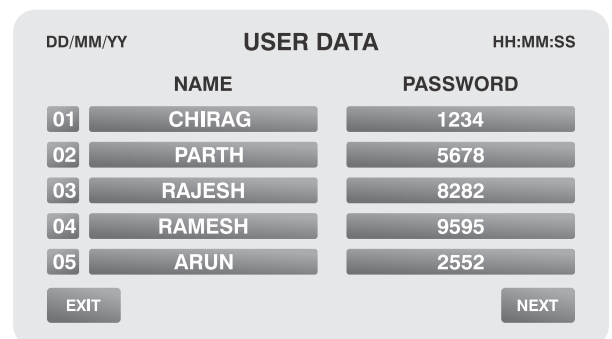
Optional application dosages settable  
In addition to standard dosage



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 :  MTR.

WIDTH :  MTR.  SEC.

HEIGHT :  MTR.

ml. METER CUBE

REQD. SOLUTION  ml.

ROOM VOLUME  ml.

TREATMENT DURATION  MIN.  SEC.

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 :

ROOM NAME :

LENGTH :  MTR.

WIDTH :  MTR.  SEC.

HEIGHT :  MTR.

ROOM VOLUME :  m<sup>3</sup>

REQD. SOLUTION :  ml.

TREATMENT DURATION :  MIN.  SEC.

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.**

ID	TIME	DATE	TREATMENT MODE	USER NAME	ROOM NO	ROOM NAME	ROOM VOLUME M <sup>3</sup>	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.
1	15:12:46	18/08/2021	PSR	CHIRAG	8	PRODUCTION 2	105	H2O2 SOLN	368	367	735	12	33	7			
2	11:44:45	19/08/2021	PSR	PARTH	6	PRODUCTION 1	105	H2O2 SOLN	368	367	735	12	33	7			

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