



SATEJ- SSD ultra: SMALL & MEDIUM SIZED SPACE BIO DECONTAMINATION UNIT (PNEUMATIC OPERATED)

Automated dry fog H₂O₂ generator for Bio decontamination of Pass box, Aseptic barrier system, biological safety cabinets in pharmaceutical, life science industries & laboratories.

-) Space treatment up to : 5M³
-) Gas like diffusion of H₂O₂ dry fog
-) Proprietary Nebulization process results into homogenous coverage
-) Liquid disinfectant - 6 to 8 % H₂O₂
-) Suitable for H₂O₂ based disinfectant only
-) Bio decontamination in PASS BOX , Biological safety units, Aseptic barrier system
-) Dry fog contains millions of reactive molecules to execute microbial kill
-) The process does not affected by inner space temperature or Relative humidity, so shortened Cycle time.
-) Inbuilt compressed air auto START and AUTO SHUT OFF Valve operation.
-) DELAY START & AUTO SHUT OFF operation.

Secured process

Digital registration of different variables that will ensure cycle has been properly performed.

Digitally controlled dispensing & disinfection process cycle.

Accurate and Reproducible results



Process data traceability:

Process data retrievable with LAN connection to PC.

Can retrieve the following Information for each process:

- |
-) Treatment Date & Time
-) Users' names, Treated space Names, volume of space|
-) Disinfectant Name
- Total consumption of Disinfectant in ml
-) Treatment duration
-) Application dosage: 6ML/M3, 9ML/M3, 12ML/M3,18/M3

Technical Specifications:

-) Nozzle assembly : SS316
-) Nozzle attachment plate: SS316
-) Nozzle set up attachment to be mounted on inner surface of pass box or space to be treated
-) Liquid disinfectant dispensing flow rate liquid 10-15 ml/min
-) Medical grade pump and tubing for liquid dispensing – Tubing Medical grade
-) Machine unit body- SS304
-) Pneumatic Air line fitting: SS304 or equivalent engineering plastics
-) Air Pressure Regulator : To adjust air pressure
-) Liquid container set with lid- Polypropylene (2 liter capacity)
-) Liquid Tubing – Silicone
-) Liquid line connector, liquid strainer –SS304
-) Hardware – SS304
-) Weight – 13 kg approx
-) Dimensions: As built.
-) Required air line tube and liquid line tube till nozzle set up attachment will be provided.



Customer scope:

-) Compressed Air supply 2-5 bar pressure @ 20 CFM
-) Compressed air supply line: 12mm OD PU tube.
-) Power supply – 230V AC, 50HZ.
-) To decide appropriate location, height for Nozzle set up mounting on pass box.
-) Necessary evaluation and engineering approval.
-) Final Installation/ mounting of Nozzle Assembly, liquid line & AIR LINE SET on Pass box Door or wall side.