LAB ENGINEERING

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Product Name : Atomizing Disinfection Robot	Product Code : ELAB-BOI0001

Description :

Atomizing Disinfection Robot

Technical Specification :

The atomizing disinfection robot is by quickly atomizing the disinfectant and automatically
spraying into the disinfection area to get the air effectively purified. Using 100mg/L hypochlorous
acid disinfectant, according to the amount of 5ml/m3, continue to spray evenly into the space to disinfect.
Support the use of disinfectants such as hydrogen peroxide, sodium hypochlorite, and peracetic acid.
The large-capacity 16L disinfectant tank can continuously disinfect for more than 5 ~ 6 hours, and the
disinfection coverage is up to 4000 ~ 5000 m2.
Support APP control, no-touch automated disinfection greatly improve the safety of use in the disinfection
process.
Two disinfection modes: timed disinfection and immediate disinfection.
With autonomous navigation function, lidar obstacle avoidance, can fully cover the required area.
Support automatic return to charge, human assistance isn't required
When the disinfectant is below the warning position, it will return to the waiting area and turn off the spray device
automatically.
External Size(mm): ?500*1335
Atomization Efficiency: 2L~3L/H(adjustable)
Disinfectant Capacity: 16L
Spray Diameter: 5-6m
Disinfection Medium: Hypochlorous acid,Chlorine dioxide,Hydrogen peroxide,Peroxyacetic acid, etc.
Spray Method: Four-direction spray, large opening spray(optional)
Moving Way: Autonomous path planning and automatic navigation

Moving Speed: 0~0.6m/s
Power Supply: AC220±10%V 50Hz
Consumption: 150W
Drive Method: Differential drive
Ability to Cross Obstacles: ±10mm
Gradeability: ?8°
Driving Channel Width: ?700mm
Noise: ?50dB
Operating Time: 5~6h
Battery: Lithium battery 28AH 24V
Charging Time: 3~4h
Safety System: Lidar obstacle avoidance, power-off protection of disinfectant shortage

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