

# Full-Body Disinfection System



## Naturewall Solution

Founded in 2015, has a singular purpose of offering greatly innovative products and services. We specialize in Vertical Gardening, gadgets' automation and accessories brand in India. As part of our business strategy, we did disrupt the entire supply chain and approached the consumers directly. The rapid pace of industrialization and our focus on creating a solid brand has worked for us so far. Continuous product innovation and the use of technology in all processes, is destined to take the company to new heights...

**What is Mist/Fog Sanitizer Machine:** A device which generates mist or Fog from nozzles which are internally connected with control unit and operates either manually or Automatically. This unit consists of High pressure pump, SMPS, Sensors and hard coded IC based algorithm embedded in a mother board. Device operates on 220V AC supply. Inlet connector connected with sanitizer tank to feed fluid into the pump and Outlet of pump connects with Nozzle to generate High quality Fog/mist. Sensor operates on IR to sense the obstacle to start & stop fogging based on predefined time interval.

**What is Sanitizing Gate/Tunnel:** is designed to disinfecting personnel by passing through disinfectant passageways, which sprays disinfectant from nozzles and sanitizer to kill 99.999% of viruses, bacteria, fungi, molds and spores. Sanitizing Gate/Tunnel is a tailor-made product which can differ in shapes and dimensions depending on site measurement and space constraints. This structure needs to be connected with mist/Fog sanitizer unit to get spray of mist either by manual or automatic mode.

**Usages:** widely used indoor and outdoor at entry/exit of domestic as well as public places.

- ✓ Hospitals specially at ICU Entry & exit doors.
- ✓ Communities/Society entrance gate.
- ✓ Flat or individual house entrance door or gate.
- ✓ Airports & railway stations
- ✓ Factories, supermarkets, shopping malls.
- ✓ Institute & Schools Main doors.
- ✓ Banks & hotels
- ✓ Any many more applications

## Working Principle

- A self-preventive modular chamber with Infrared sensors designed to deliver disinfectant every individual passing through it.
- The Sanitizer Tunnel/Gate works through a Sensor controlled central disinfectant mist generation unit and distribution arrangement located above & both side walls which ensures that the operator is fully sterilized before entering any premises
- The system will operate for a pre defined duration as per the person entry & exit inside the unit. During the operation the operator is expected to gently rotate in the central space with his/her elbows raised and away from his body to get best results of system
- During this misting cycle, the operator twists his/her body and moves his/her arms up and down to reduce any folds in the clothes and to help ensure uniform coverage. After a person exits the system, the sanitizing cycle automatically shuts off.
- Above steps will continue for the next person to be passing through the Tunnel/Gate.

# Naturewall Products for Disinfection



1

**Mist/Fog Sanitizer Machine for Domestic Use**

2

**Mist/Fog Sanitizer Machine for Commercial Use**

3

**Fogging Tunnel & Gates for Domestic & Commercial Use**



## Why to chose Naturewall Solution

- It's top-notch solutions invariably costs 50% less or even lesser, compared to the costs quoted by other manufacturer.
- It's solutions and products are profoundly reliable, robust, optimized, quality-driven and with an impeccable and proven track record.
- For a very sound design, coupled with the unique adjustment-functionality pertaining to the sensor distance and the timer.
- A certain part of the proceeds from sale of each product goes to charity and development projects for upliftment of the society.

# Product Specification

## Mist / Fog Sanitizer Machine (Domestic Use)

This unit particularly suitable for any domestic usage like entrance of flat, Bungalow, Individual house, shops etc where Nozzles can be fitted directly on the wooden frame of the door or entrance, this model is efficient and much cost effective. This is a mist/Fog based sanitizing machine operates manually by any person who is inside home by pressing a push switch to start and stop the unit. Nozzles will spray water-based sanitizer on full body of out siders before entering house to ensure 100% protection of family members inside the house. Five powerful brass nozzles generate thick mist/Fog to disinfect the presence of any types of virus or bacteria if any. This unit operates manually and comparatively economical from other disinfection products. Normally we use 10-20 ml of sanitizer for hand wash whereas this system does the full body disinfection with 15ml of sanitizer in mist form over a longer period.

### Features:

- Extremely light weight due to PVC casing.
- Quick installation and ready to use.
- Small volume after packing so easy to move.
- Manual push button switch controls the duration of mist/Fog spray duration.
- Extra functions can be customized.

### Technical datasheet

- Unit size 300mm x250mm x 120mm, Weight 2.0Kg
- Brass Spray Nozzle (0.3 mm) for fine mist disinfectant spraying during operation having semi hollow cone spray pattern with droplets size 40-70 microns with spray angle of 60° dense pattern.
- Self -Priming Booster Pump for providing jet flow of disinfectant to take care of flow requirement.
- Power Supply: 220VAC
- SMPS Output: 24VDC, 2Amp
- Pump: 24VDC Booster pump 100GPD.
- Sanitizer Discharge: 15 ml for each operation.

### Accessories includes

- One unit of Mist/ Fogger machine
- Six-meter RO Pipe (1/4 inch)
- Five units of T connector (1/4 inch)
- Five units of Brass nozzle (0.3 mm)
- Two units of Elbow Connector (1/4 inch)
- One unit of Power supply adaptor with 1.5 meter cable.
- Sanitizer storage tank / container – **Optional**
- Disinfection Sanitizer – **Optional**
- Additional Brass nozzle – **Optional**
- Nylon Mat --- **Optional**



# Product Specification

## Mist / Fog Sanitizer Machine (Commercial Use)

This machine particularly suitable for any commercial usage like entrance of Mall, Cinema Hall, Schools, Shop, Stadium, Airports, Railways stations etc. This is a mist-based sanitizing machine is contactless and will spray water-based sanitizer on full body in the form of FOG/Mist from five high quality brass nozzles. This unit is fully automatic and can be integrate with any type of disinfection tunnel. To optimize the consumption of sanitizer delay time (timer) can be controlled from 0 to 20 sec interval. Whereas in normal usage, we use 20-30 ml of sanitizer for one operation, this sanitizer does the same job by dispensing just 5-6ml of sanitizer in mist form over a longer period. High quality TSOP sensor sense the human movement and start the pump to spay mist.

### Features:

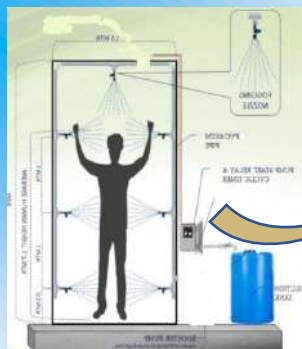
- Extremely light weight due to PVC casing.
- Quick installation and ready to use.
- Small volume after packing so easy to move.
- Infrared sensor with distance and timer control facility.
- Extra functions can be customized.

### Technical datasheet

- Unit size 300mm x250mm x 120mm, Weight 2.5Kg
- Brass Spray Nozzle (0.3 mm) for fine mist disinfectant spraying during operation having semi hollow cone spray pattern with droplets size 40-70 microns with spray angle of 60° dense pattern.
- Automatic on/off operated with personal movement sensors.
- Self -Priming Booster Pump for providing jet flow of disinfectant to take care of flow requirement.
- Power Supply: 220VAC
- SMPS Output: 24VDC, 2Amp
- Pump: 24VDC Booster pump 100GPD.
- Sensor Unit: TSOP, weather resistance& no impact from Ambient light
- Controller: Potentiometer controlled for range and time delay.
- Sanitizer Discharge: 15 ml for each operation.

### Accessories includes

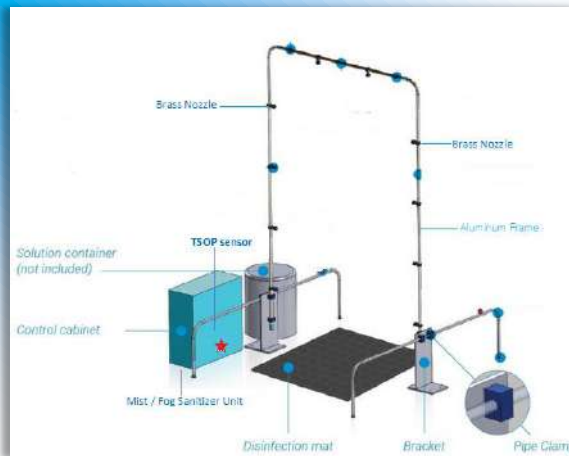
- One unit of Mist/ Fogger machine
- Six-meter RO Pipe (1/4 inch)
- Five units of T connector (1/4 inch)
- Five units of Brass nozzle (0.3 mm)
- Two units of Elbow Connector (1/4 inch)
- One unit of Power supply cord.
- Sanitizer storage tank / container – **Optional**
- Disinfection Sanitizer – **Optional**
- Additional Brass nozzle – **Optional**
- Nylon Mat --- **Optional**



# Product Specification

## Fogging Tunnels & Gates (Domestic & Commercial)

- Basic type of Tunnel or gate: 2x2 Inch Aluminium square pipe, Size: 7 ft X 3 ft
- Any other type of customized tunnel / Gate can be manufacture as per requirement.



# Other Information

Naturewall Solution also reliable supplier of hand sanitizer and water based disinfection liquid for Mist/Fogging Machine

Name - Pure

Composition - 75% Ethyl Alcohol, DM Water QS, Glycol - 0.68%, Perfume 1%

Certificate By - PQC, London

Packaging - 5ltr and 25ltr



## Guidelines on disinfection

<https://www.mohfw.gov.in/pdf/Guidelinesondisinfectionofcommonpublicplacesincludingoffices.pdf>