



## PRODUCT OVERVIEW

# SaniMister

## Frontline Misting Tunnel

version 4.7

Apply a sanitizing agent in a mist to shipping containers, feed and bedding bags and other crates.

### KEY FEATURES AND BENEFITS

- Provides complete coverage of any product conveyed through the work opening
- Portable and easily moved within your facility
- Optimum conveyor speed of 30 - 50 feet per minute
- Constructed entirely of corrosion resistant materials
- Spray nozzles have a capacity of 0.018 gallons per minute
- Removable piping for easy and safe nozzle replacement
- Dual 1x1 316 flat stainless steel belts
- Re-circulating and or to drain

### KEY SPECIFICATIONS

- 2 sizes available
- Polished #16 ga. Type 316 stainless steel
- 110V, 1 PH, 60 Hz, 3A, SCCR:5KA, plug in type.
- Eye level low chemical warning light
- Field evaluated by MET Laboratories and certified to UL Standards
- Local area representation



# SaniMister

## Frontline Misting Tunnel

### DESCRIPTION

The SaniMister CS-2020 or CS-2828 Sanitizer is designed to provide complete coverage of any product conveyed through the work opening. Simply plug the machine into a 110V GFCI outlet and it's ready to sanitize your product(s).

### DIMENSIONS

CS-2020: 33" w x 60" l x 58.5" high (excluding the conveyor)  
 CS-2828: 41" w x 60" l x 67" high (excluding the conveyor)  
 Conveyor: Collapsible from 8' – 2' long x 24" w with height adjustment ability.

### FEATURES

The SaniMister is a self contained, portable sanitizer that is designed to be easily moved within a facility. Four 5" stainless steel swivel lock casters (with brakes) allow smooth transfer throughout the building. The SaniMister can also be built with a Bio-Door for permanent pass through wall systems.

### CAPACITY

The conveyor is provided with a DC drive motor that has an infinite range of 0 – 60 feet per minute. Note: Optimum conveyor speed for sanitizing should be between 30 – 50 feet per minute, depending upon product being conveyed.

### CONSTRUCTION

The machine housing is constructed entirely of corrosion resistant materials as described below:

Housing	Polished #16 ga. Type 316 stainless steel
Covers/Doors	Polished #16 ga. Type 316 stainless steel
Supports	Type 316 stainless steel structures
Reservoir	Polypropylene
Sprockets	Stainless steel
Conveyor	Stainless steel type 316
Drive	Stainless steel
Piping	Schedule 80 PVC
Misting Nozzles	Acetal plastic with stainless steel filter screens
Casters	Type 304 stainless steel and polyurethane plastic wheels, all swivel / lock

### SPRAY SYSTEM

Spray nozzles are complete with 200 mesh stainless steel filter screens that are easily removable for cleaning or replacement. The nozzles are strategically located above, below and on both sides of the SaniMister to ensure 100% coverage. The nozzles have a capacity of 0.018 gpm and are provided with a needle valve for optimum performance. In-line unions are provided to remove the piping for easy and safe nozzle replacement outside the machine, this also allows any collected debris to be flushed. The reservoir has a capacity of 3 gallons and is complete with drain valve, quick disconnects, and an in-line pump suction filter. A silent warning light activates when the chemical is low to warn the operator. Plastic curtains are provided at both ends of the Sani Mister to contain the sprayed mist within the tunnel area.

### CONVEYOR SYSTEM

The SaniMister is provided with dual 1 x 1 316 stainless steel belts. The nozzles are located between the belts to ensure full spray impact on the product (no masking of the SaniMister by the conveyor.) An electric eye is mounted at the load end on the SaniMister and is designed to shut the pump off if no product has been conveyed for a pre-set period of time.

### UNLOAD CONVEYOR - Standard with each machine

The unload end of the SaniMister is provided with a pitched roller conveyor, collapsible from 8 ft. to 2 ft. For the convenience of mobility, the SaniMister is designed to be moved with the conveyor attached or detached.

### CONTROL PANEL

A plastic, Nema 4, control panel is provided and complete with motor starters, relays, timer for electric eye and the speed controller for the conveyor drive. In addition, plastic push button enclosures are provided at the load end for conveniently starting/stopping the SaniMister and at the unload end is an emergency stop. Each machine is field evaluated by MET Laboratories and certified to UL Standards.

### CUSTOMER REQUIREMENTS

Customer to provide the following:

Electric	110V GFCI outlet
Fresh Water	3 gallons for tank, room temperature

## MAINTENANCE RECOMMENDATIONS

### MISTING NOZZLES

Nozzles should be cleaned once a month in an alcohol solution to remove any deposits from the stainless steel screens. The nozzles need only be hand tightened into the piping when replacing. Replacement set of misting nozzles included.

### RESERVOIR

Remove the reservoir tank from the quick disconnect fittings and rinse in warm water to remove any debris to avoid compromising the in-line pump filter. It is recommended that this be done on a bi-monthly basis and more frequently if usage is heavy.

### DISINFECTANT

When using proper chemical, replace daily if usage is heavy (i.e. more than 20 times a day). Replace once a week if usage is light (i.e. 20 – 30 items for the week). This determination is at the discretion of the user.

## OPTIONAL EQUIPMENT

### BIO DOOR

For pass through wall situations. The SaniMister is located on the pre-decon or dirty side. The unload conveyor is located on the decon or clean side.



### FRONT LOAD CONVEYOR

All misting tunnels come standard with the ability to add a front load conveyor at any time.



## DELIVERY

4-5 months from time of purchase and or approved submittal. FOB shipping point.



## Unique Specifications ONLY found with the Sani Mister Tunnel

### **MET Labeled and Certified to UL Standards**

Rigorously tested by a Nationally Recognized Testing Laboratory (NRTL), MET Labs, and certified to UL standards. \*NEC standards are a “bare bones” guide without NRTL certification

### **Silent Low Chemical Warning Light**

Lets the operator see at eye level that chemical needs to be added. A tank located under the load portion of the machine conveyor will require the operator to bend over constantly to look at the chemical level.

### **All Integral Parts Within Machine:**

This ensures cleanliness, operator safety, and the prevention of inevitable damage as opposed to being located outside the machine.

### **Removable Schedule 80 PVC Piping:**

An inline union allows the piping to be removed for safe and easy nozzle replacement outside the machine. This also allows the piping to be cleaned of any built up debris. Fixed piping will not allow this.

### **Retractable Power Cord:**

Unused portion of the power cord retracts neatly within the machine – power cord length up to 25 feet.

### **Removable 3-Gallon Reservoir:**

The reservoir tank can be removed for easy and proper cleaning as opposed to fixed.

### **Removable Panels:**

All 4 sides of the machine have removable panels for proper cleaning and easy access for any maintenance reasons.

### **Pull Out Screen:**

This runs the entire length and width below the conveyor. If a bedding bag or other product were to break, this screen will make cleaning much easier. This also allows ample room to reach the entire underside of the spraying chamber for cleaning.

### **Quick Reference Acrylic Manuals:**

Located on the front and back stainless steel access panels for operators to quick reference all integral parts.

### **Local Area Representation:**

Allows for speedy customer service.

## Unique Options

### **Front Load Conveyor Capability:**

Allows a front load conveyor to be added at any time.

### **Vent Plates:**

Custom sized vent plates can be mounted to the top of the machine to hook into HVAC.

### **Bio-Door – for pass through wall systems:**

The machine will latch to the fixed bio-door with an Emergency Stop button located safely on the wall and within reach of the operator. The machine can detach and roll away from the bio-door if adjustments or maintenance is needed.