PRODUCT OVERVIEW

SaniMister
Frontline Misting Tunnel
version 4.5

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 / 1PH / 60 Hz, 3A, plug in type
• Eye level low chemical warning light
• Field evaluated by MET Laboratories to UL Standards
• Local area representation
**SaniMister**

**Frontline Misting Tunnel**

version 4.5

**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 an 110V 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)

**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 – 50 feet per minute. Note: Optimum conveyor speed for sanitizing should be between 30 – 40 feet per minute, depending upon product being conveyed.

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

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

**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. Should the chemical become low, an eye level silent warning light is activated to warn the operator. Plastic curtains are provided at both ends of the SaniMister 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/stoping the SaniMister and at the unload end as an emergency stop. Each machine is field evaluated by MET Laboratories to UL Standards.

**CUSTOMER REQUIREMENTS**
Customer to provide the following:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric</td>
<td>110V / 1PH / 60 Hz, 3A, plug in type</td>
</tr>
<tr>
<td>Fresh Water</td>
<td>3 gallons for tank, room temperature</td>
</tr>
<tr>
<td>Chemical</td>
<td>Approved pH neutral chemical</td>
</tr>
</tbody>
</table>
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.