

LYNX

Sanitization Solutions

Misting Tunnels - 900 Series



Frontline Misting Tunnel

LYNX 900 Series SaniMister Misting Tunnels are designed to significantly reduce harmful contamination by killing viruses and other bio-burden from packaging and other items to be introduced into your facility. The SaniMister Misting Tunnel produces and distributes a fine mist of disinfectant completely across and around the outer surfaces of the items processed.

Simply plug the SaniMister into a 110V GFCI outlet, add disinfectant chemical, and it's ready to sanitize your items including shipping containers, boxes, feed and bedding bags and other goods.

The SaniMister is self contained, portable and designed to be easily moved within a facility. Four 5" stainless steel swivel lock casters allow smooth transfer throughout the building. The SaniMister is also available with a Bio-Door for permanent pass through wall installations.

360 Degrees of Disinfectant Coverage

Key Features and Benefits

- Full 360° Disinfectant Coverage
- Portable or Fixed Installation
- Stainless Steel Construction
- Adjustable Spray Volume
- Onboard Chemical and Waste Tanks
- Integrated Chemical Fill Funnel
- 5" Stainless Steel Lockable Casters
- NEMA 4 Control Enclosure
- Built to NEC and UL Standards
- Photo-eye Activation Sensor
- Auto Shut Down Timer



Standard Features

The conveyor is provided with a DC drive motor that has a range of 0 – 60 feet per minute. Optimum conveyor speed for sanitizing is generally between 30 – 50 feet per minute, depending upon product being conveyed. The SaniMister housing is constructed entirely of corrosion resistant materials. Available as stand-alone or pass-through configuration.



Spray System

Spray nozzles are provided 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 chamber to ensure 100% coverage. The nozzles are provided with a needle valve for optimum spray adjustment. In-line unions are provided to easily remove the piping for nozzle replacement, maintenance or as needed. The chemical reservoir has a 5 gallon capacity and is complete with drain valve, quick disconnects, and an in-line pump filter. The chemical reservoir is easily filled by pouring disinfectant solution directly into the fill funnel located on the load end of unit. A warning light activates when the chemical is low to warn the operator to refill chemicals. Plastic curtains are provided at both ends of the SaniMister to help contain the sprayed mist within the tunnel area.



Control Panel

A plastic, Nema 4, electrical box is provided complete with contacts, relays, and timers for the electric eye and speed controller. A simple push button start is provided on the load end. Emergency stop buttons are provided at both ends of the unit to cease operations of the unit. Both buttons must be in the outward position to restart.

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 unobstructed spray on the product. An electric eye is mounted at the load end on the SaniMister designed to shut the pump off if no product has been conveyed for a pre-set period of time.

Spent Chemical Tank

The SaniMister is the only unit on the market that allows the customer to choose to recycle or discard all or none of the over spray disinfectant. The unit includes a second 5 gallon chemical waste tank and a 3 way valve to adjust to percent of recycle to waste ratio. Tank is provided with a high level probe and indicator light to alert operator of a full tank. Tank can easily be removed and emptied from it's top access cap.

Tank Level Windows

The SaniMister is provided with two viewing windows on either side. One to visualize cleaning chemical level and the other for viewing the spent chemical tank level from outside the unit.

Unload Conveyor

Standard with each SaniMister, a 24" to 96" collapsible unload roller conveyor is provided. For convenience and mobility, the SaniMister is designed to be moved with the conveyor attached or detached.

Optional Features

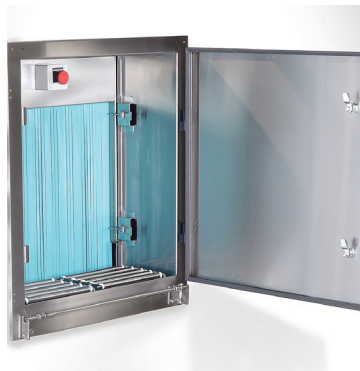
Bio-door (Pass-through)

Built-in Bio-door (Pass-through) assembly for pass through wall installations. The unload end of the machine will latch to the fixed bio-door assembly to create a pass-through for items to enter into an adjoining room.

The Emergency stop button is located within the door assembly within reach of the operator. The machine can detach and roll away from the bio-door if adjustments or maintenance is needed. (Additional drawings and details available upon request.)

Load Conveyor

A load end expandable roller conveyor can be added to expand from 24" to 96" for greater processing capacity.



Bio Door



Tank Viewing Window



Fill Funnel Door

Model 920LX

Tunnel Opening: 20" x 20"
Overall Unit: 33" W x 60" L x 59" H

Model 924LX

Tunnel Opening: 24" x 24"
Overall Unit: 37" W x 60" L x 63" H

Model 928LX

Tunnel Opening: 28" x 28"
Overall Unit: 41" W x 60" L x 67" H

**Does not include conveyor extension.
Conveyor extension collapsible from
2'- 8" L x 24" W.*

Utilities

Electrical (E):
15A - 110VAC, GFCI protected outlet

Fresh Water (FW):
5 gallons for chemical tank make-up

Construction

- **3 Standard Chamber Sizes:**
20" x 20", 24" x 24", 28" x 28"
- 16 Gage #3 Polished 316 L Stainless Steel Chamber
- 316 L Stainless Steel Frame and Supports
- 110VAC, 1-PH, 60Hz, 3A – Standard Receptacle Plug
- Low Chemical Warning Light
- High Waste Chemical Warning Light
- Lockable 304 Stainless Steel Swivel Casters
- 5 Gallon Polyethylene Chemical Tank
- 5 Gallon Polyethylene Waste Tank
- Schedule 80 PVC Piping

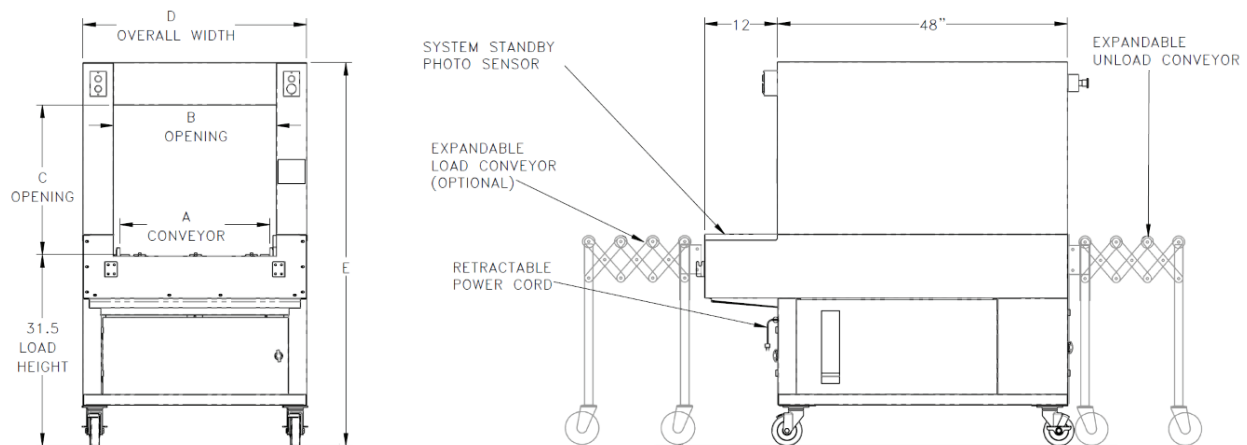


Optional Pass-through Configuration

Drawings

Front View

Side View



MODEL	A	B	C	D	E
920LX	20"	23"	21"	33"	59"
924LX	24"	27"	25"	37"	63"
928LX	28"	31"	29"	41"	67"

Contact your local Spire Sales Representative for more information on the Spire Chlorine Dioxide Tablets