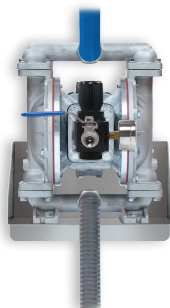
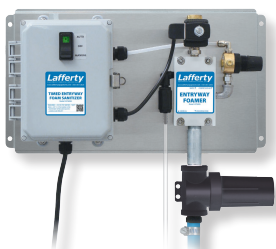


6 Entryway & Drain Sanitizing; Hand Hygiene

- Hand Hygiene Stations
 - Sentry (Foot Lever/Pump)
 - Sentinel (Hand Lever/Pump)
- Entryway Foam Sanitizers
 - Venturi / Water Driven
 - Pump Fed with Central Chemical Feed Systems
- Drain Sanitizing Systems
- Trench Sanitizing Systems



Lafferty®

EQUIPMENT MANUFACTURING INC.

CATALOG 6

Entryway & Drain Sanitizing Systems

Hand Hygiene Stations

Chemical Application Equipment

www.laffertyequipment.com

5614 Oak Grove Road • North Little Rock, AR 72118

Phone: 800-999-2820 / 501-851-2820 • Fax Orders: 800-699-3719

Cross Contamination Prevention and Food Safety Sanitation Systems

Supporting The Food Safety Mission

Regulations, public expectations and competitive pressures require business and industry to maintain sanitary production areas, machinery and equipment. In today's world, a pathogenic food contamination scare can panic people or cripple industries half a world away. For a food grower, transporter, processor or retailer, the prevention of cross-contamination is a critical factor in the mission to provide safe food. To support this mission, Lafferty offers a comprehensive range of systems for Entryway Foam Sanitizing, Drain Maintenance and Hand Sanitizing.

Lafferty builds quality into every piece of chemical application equipment — from the precision machining of our foamer bodies, to the careful selection of heavy-duty components, to the individual testing of every unit. This keeps Lafferty Equipment products working better and longer than any other brand. Once you experience Lafferty quality and performance, you will know that no other brand can be "just like a Lafferty".

Lafferty's Complete Balanced System Approach

The team at Lafferty Equipment puts more than a century of combined manufacturing and in-the-field experience into every piece of chemical application equipment that we offer. Our approach is to provide a complete, balanced system right out of the box for ease of installation and trouble-free performance.

Our passionate focus on superior quality, outstanding reliability and attention to detail ensures years of consistent operational performance and peace of mind.

Focus on Performance

- Dedicated Research and Development team
- Application-specific designs to create integrated balanced systems
- Discharge hoses (lengths and diameters) and nozzles carefully selected to ensure optimum system performance
- Machined foamer bodies engineered for their specific, intended use
- Reliable, precision metering options

Focus on Quality, Reliability and Durability

- Designed to endure heavy usage in industrial settings with minimal maintenance requirements
- Lafferty's proprietary stainless steel and polypropylene components are precision machined on state-of-the-art CNC and traditional machine tools in Lafferty's manufacturing facility in Arkansas.
- Optimum material selection for chemical and industry compatibility, with all wetted parts chemically resistant
- Stainless steel mounting brackets and enclosures for industrial settings
- Extensive testing of all finished products

Focus on Service

- Dedicated to superior customer service and support
- Detailed web site and catalog information for equipment selection
- Prompt order shipment
- Comprehensive Installation and Operation Instructions

STAINLESS STEEL HAND HYGIENE DISPENSERS: SENTRY™ AND SENTINEL™

These dispensers are designed to make hand sanitizing simple, safe, and convenient in high-traffic, high-use areas to prevent cross-contamination in food handling and the spread of diseases among people by hand contact. Sentry™ dispensers work with bulk sanitizer/chemical containers and Sentinel™ dispensers utilize retail-style 1-gallon and half-gallon jugs equipped with spring-loaded pumps. Multiple model styles and options are available to meet various dispensing requirements.

ENTRYWAY FOAM SANITIZING SYSTEMS OVERVIEW

Entryways to facilities, or between uncooked and “ready-to-eat” areas within a facility, are critical control and prevention points. The application of foam sanitizing chemicals at these points builds a barrier to microbial contamination from foot or wheel traffic.

The use of an automatic entryway foam sanitizing system is the most effective and consistent method of introducing sanitizing chemicals to the floor of the entryway. These systems apply a layer of rich foam sanitizer, either on a timed or a pre-programmed basis. This approach, where fresh solution is being applied constantly, is far superior to using boot dip stations or foot baths, which quickly become dirty or dry, and then a source of potential contamination.

System Features

- All electrical components contained in a NEMA rated control box, isolated from all liquids, with positive On/Off switch control
- Systems mounted on hygienic stainless steel backing plates
- Built to withstand a wide range of chemicals
- Precision machined polypropylene foamer bodies designed to provide the ideal volume of liquid for each model of foamer
- Custom-designed, precision-machined polypropylene *Spreader* nozzle to provide the ideal foam coverage pattern

Model Groups

- **Venturi Models:** Air Assisted and Air Pump Powered Systems that accurately dilute chemical concentrates to required ratios and produce a high quality foam
- **Pump Fed Models** are designed for facilities with central chemical feed systems that deliver RTU chemical solution to multiple Pump Fed Entryway Foam Sanitizers

Model Features

- **Timed** models – simple settings for controlling the timing and duration of foaming cycles
- **Push Button (Single Shot)** models – manual activation of a single, timed application cycle
- **Photocell** models – motion activation of a single, timed application cycle
- **PLC** models – fully programmed, menu-driven, computerized control for finely controlling the timing, and duration, of foam sanitizing on a 24/7/365 basis

DRAIN SANITIZING AND MAINTENANCE SYSTEMS

Lafferty's *Timed Drain Maintainer Systems* are used to provide a constant microbial foam barrier between “ready-to-eat” areas and the effluent in the drains.

Lafferty's *Portable High Volume Drain Foam Sanitizers* clear debris and waste water through the J-traps in the drain lines and introduce sanitizer throughout the drainage system. The systems can be used in tandem with the Drain Maintainer Systems.

Lafferty's *Timed Trench Foam Sanitizers* feed rich sanitizing foam to a foam bar located in a drainage trench. The standard model covers trenches from 10'-48' in length. Longer trenches will require multiple systems.

Lafferty's *Wet Well / Drain Maintainer* provides a continuous drizzle / drip of chemical solution with regular, adjustable bursts of airless foam. Ideal for treating FOG cakes in Lift Stations or Wet Wells, these systems can be used for sanitation, treating grease build-up or for odor control in any water flow or drain.

LAFFERTY'S SENTRY™ HAND SANITIZER DISPENSERS

are designed to help prevent the spread of disease and the cross-contamination of food through hand contact.

Robust, industrial design, low maintenance requirements and ease of use make these foot-operated stainless steel systems the hand sanitizer dispensers of choice. Offered as floor mount or wall mount models.

Floor units can be either free-standing or bolted to the floor and can be equipped with optional side-mounted or back-mounted jug racks and/or a base extension. Wall mount units have brackets for attaching the unit to a wall or to railings. A variety of wall mount jug racks are available for use with either basic model.

SENTRY™ HAND HYGIENE STATIONS/ SANITIZER DISPENSERS

REQUIRES: RTU SANITIZER GEL OR SOLUTION OR LIQUID SOAP IN A CONTAINER

Economical:

- Draws thin or thick liquids or gels — sanitizer, soap, etc. — from any container that can accept a standard chemical tube, capturing the cost savings afforded by using bulk-packaged chemicals
- Does not require specially-designed chemical packages
- No batteries to replace nor electrical costs
- Integrated, machined stainless steel dispensing pump — no plastic jug pumps that can break
- Adjustable from 2,800 to 8,400 dispenses per gallon (0.015 oz. per stroke to 0.045 oz. per stroke)

Safe:

- Completely foot operated — Not a hand contamination contact point
- No electricity required

Durable, industrial-strength design

- Heavy-duty, all-stainless-steel construction
- Pressure damper absorbs shock from harsh “stomping” on the foot pedal
- Performance tested to over 1 million strokes
- Side-by-side field tests indicated a preference for the **Sentry** over other available dispensers

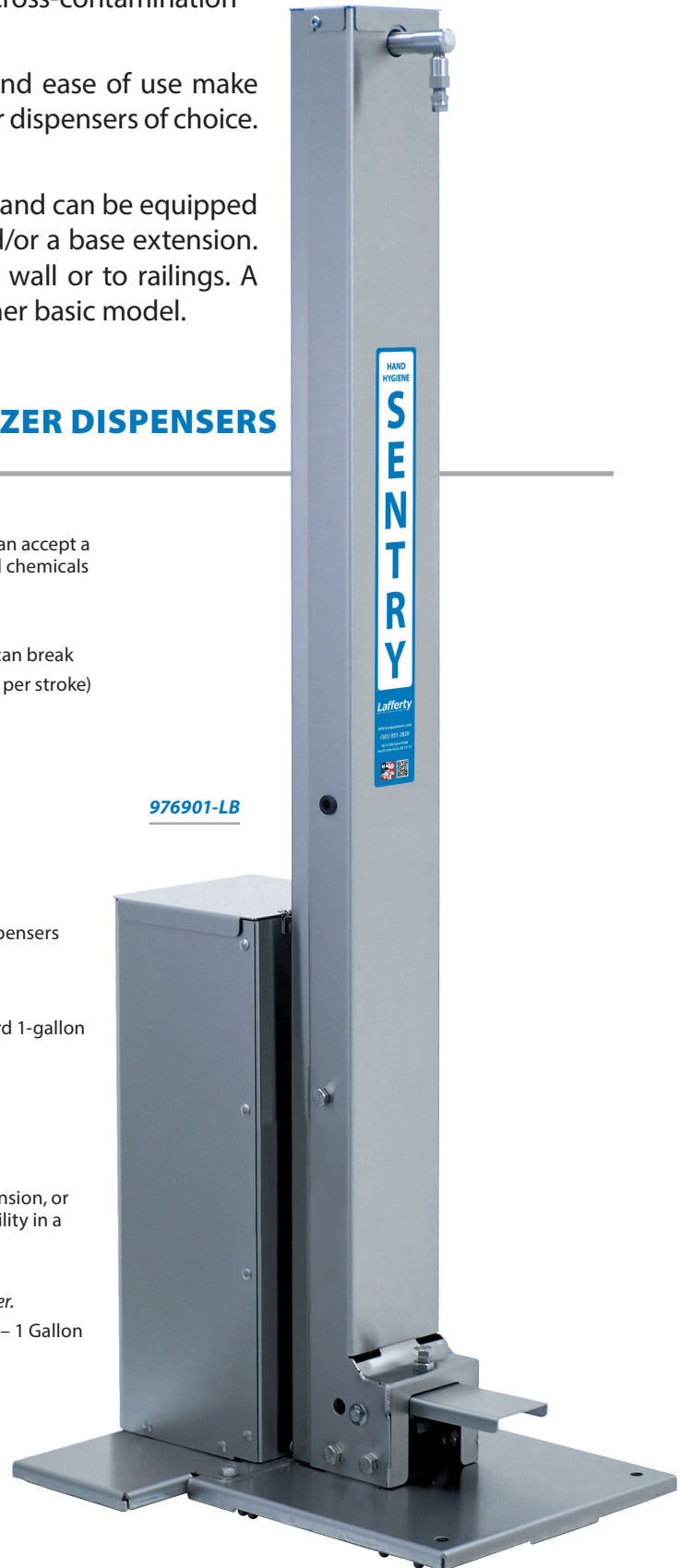
Special Features:

976901-LB

- Back-mounted, lockable, stainless steel box protects any size container up to a standard 1-gallon jug.
- Accepts a user-supplied pad lock or lock-out tag.
- Includes a base extension in back for added stability
- Two front mounting holes available for anchoring unit to floor if desired.

976901

- Can be equipped at time of order with an optional side-mounted jug rack, a base extension, or a back-mounted jug rack with a base extension. (The base extension gives added stability in a freestanding installation.)
 - *Back-mounted jug racks require a kit that includes a bracket and the base extension.*
 - *The base extension or side-mounted jug racks may be ordered individually at time of order.*
- Side-mounted jug racks are limited to #224200 – 1 Gallon Round/Square or #224200-L – 1 Gallon – Locking, Round/Square
- Jug racks that can be back mounted:
 - #224200 #224200-L;
 - #224201X-SS Jug Rack, 1 Gallon SS Wire - F-Style, also fits Round/Square;
 - #224200 Jug Rack, SS, 2 1/2 Gallon



976901-LB

976906

A variety of wall mount jug racks are available to be mounted next to the wall mount Sentry
▶▶▶

**224414**

Model #	Description
976901	Sentry Hand Sanitizer Dispenser (Floor Mount)
976901-LB	Sentry Secure Hand Sanitizer Dispenser
976906	Sentry Hand Sanitizer Dispenser (Wall Mount)
OPTIONS:	
976901-BASE-EXT	Kit, Sentry Base Extension (Order individually or with side-mount jug rack. Image below.)
976901-JUG-BRKT	Kit, Sentry Jug Rack Bracket w/ Base Extension, SS (Required with and only for use with back-mount jug rack. Image below)

Jug Racks for Side Mount, Back Mount or Wall Mount *

224200	Jug Rack, SS, 1 Gallon, Round / Square
224200-L	Jug Rack, SS, 1 Gallon, Round / Square, Locking

Jug Racks for Back Mount or Wall Mount *

224201X-SS	Jug Rack, 1 Gallon SS Wire -F-Style (also accepts round or square jugs)
224210	Jug Rack, SS, 2 1/2 Gallon

Jug Racks for Wall Mount / Floor Mount Only *

224214	Jug Rack, SS, 5 Gallon, Locking Round/Square
224215	Jug Rack, SS, 5 Gallon, Round/Square
224414	Jug Stand , SS, 5 Gallon, Locking Round/Square

* See page 25 for jug racks details

REQUIREMENTS / SPECIFICATIONS

Total Height	44 in.	1.12 m
Height: floor to spray head	42 in.	1.07 m

Options Ordering Matrix

(No Options Selected)

976901

Side Jug Rack - 1 Gallon 	Base Extension 	ORDER # 976901 - Sentry Hand Sanitizer Dispenser (Floor Mount) AND - Select One: # 224200 - Jug Rack, SS, 1 Gallon, Round/Square # 224200-L - Jug Rack, SS, 1 Gallon, Locking # 976901-BASE-EXT - Kit, Sentry Base Extension
Side Jug Rack - 1 Gallon 	Base Extension 	ORDER # 976901 - Sentry Hand Sanitizer Dispenser (Floor Mount) AND - Select One: # 224200 - Jug Rack, SS, 1 Gallon, Round/Square # 224200-L - Jug Rack, SS, 1 Gallon, Locking AND: # 976901-BASE-EXT - Kit, Sentry Base Extension
Back Jug Rack 	Jug Bracket & Extension Kit 	ORDER # 976901 - Sentry Hand Sanitizer Dispenser (Floor Mount) AND - Select One: # 224200 - Jug Rack, SS, 1 Gallon, Round/Square # 224200-L - Jug Rack, SS, 1 Gallon, Locking # 224201X-SS - Jug Rack, 1 Gallon SS Wire (F-Style) # 224210 - Jug Rack, SS, 2 1/2 Gallon AND: # 976901-JUG-BRKT - Kit, Jug Rack Bracket With Base Extension

976901

Shown with optional 1-gallon jug rack
◀◀◀



LAFFERTY SENTINEL DISPENSERS are stainless steel devices that provide security and product management for plastic jugs fitted with a plastic dispensing pump, and offer a more appealing, comfortable, and more hygienic user experience.

The wide push lever provides multiple advantages: • Prevents uneven pressure that can break the pump stem, • Provides an easy-to-clean flat surface, • Can be comfortably pressed with an elbow, forearm or wrist to avoid hand contact, • Includes adjustment bolt to control the amount of product dispensed.

Sentinel Dispensers are offered in wall mount, counter top, and floor styles with various stainless steel racks to hold most standard jugs equipped with dispensing pumps — half-gallon, 1-gallon round/square (standard or locking), and F-Style.



SENTINEL™ HAND SANITIZER/SOAP (OR OTHER LIQUID) DISPENSERS

REQUIRES: JUG OF RTU PRODUCT WITH DISPENSING PUMP

- A heavy-duty push lever depresses the pump on a user-supplied product container and dispenses an adjustable amount of product.
- Available as wall mount, counter top and floor models
- Perfect for dispensing hand sanitizer in food preparation areas, hospitals, military facilities, store entrances, and countless other institutional and retail locations.
- Also ideal for measured, sanitary dispensing of any other product packaged in or transferable to a suitable jug with dispensing pump
 - Condiments – ketchup, mustard, etc. – at concession stands, C-stores, cafeterias, bars, restaurants, commercial meal prep kitchens, more
 - Lotions/ointments/gels in hair salons, for after hand washing/sanitizing, for physical therapy, etc.
- Waterless/no-rinse hand cleaners
- Heavy-duty, stainless-steel design
- Push lever adjustment bolt controls the range of motion to prevent over-dispensing and pump breakage.
- Jug rack can be raised or lowered to fit most spring-loaded pumps
- Lockable models prevent theft of product jug
- Choice of jug racks to fit bulk containers of many sizes and shapes
- Easy to clean and disinfect contact points
- Easy to install
- Made in the USA

Includes

- Stainless steel push lever dispenser
- Volume adjustment bolt
- Stainless steel jug rack
- Stainless steel mounting plate (*wall mount models*)
- 12 gauge stainless steel base plate (*counter models*)
- Bent stainless steel stand and base with non-skid pad and bolt holes (*floor models*)

Model #	Description
WALL MOUNT MODELS	
976936	Sentinel™ 1/2-Gallon Hand Sanitizer Dispenser
976956	Sentinel™ 1-Gallon Hand Sanitizer Dispenser
976956-L	Sentinel™ 1-Gallon Locking Hand Sanitizer Dispenser
976966	Sentinel™ 1-Gallon, F-Style, Hand Sanitizer Dispenser

See below for how to specify Counter or Floor Style models.

Model #	Description
COUNTER TOP & FLOOR STYLES	
<i>To order a counter top style or a floor style model, select a model number above and add to the model number one of the style codes listed below.</i>	
-C	Counter style
-F	Floor style
Example:	
976956-L-C	Sentinel 1-Gallon, Locking, Hand Sanitizer Dispenser, Counter Style




**VENTURI
SYSTEMS**

LAFFERTY TIMED ENTRYWAY FOAM SANITIZERS apply a layer of rich foam sanitizer to entryway floors to prevent cross contamination from foot or wheeled traffic. These are water-driven venturi systems that accurately dilute chemical concentrates to required ratios. A container of chemical concentrate is required at each entryway.

These systems are offered in 120V versions, for use in the United States, and 24V versions, for use outside the United States, and with a choice of three methods of activation:

- **Timed** — timer-controlled application at regular intervals
- **Push Button (Single Shot)** — manual activation of a single, timed application cycle
- **Photocell** — motion activation of a single, timed application cycle

TIMED ENTRYWAY FOAM SANITIZERS • For Employee Walk Doors (3 ft. wide) and Double Doors (6 ft. wide)

REQUIRES: 35-125 PSI WATER, CHEMICAL CONCENTRATE, COMPRESSED AIR, ELECTRICITY

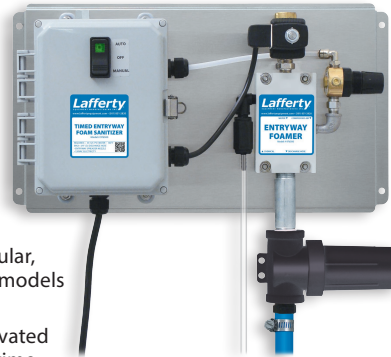
- For employee walk doors and double doors
- Venturi foamer draws chemical concentrate and dilutes it to the required ratio
- Dual model for 2 adjacent, 3 ft. doors (976505)
- Optional additional chemical pick-up for adding foaming agent
- 24 Volt models, for use outside the USA, require a locally-sourced step-down transformer to provide 24 VAC power to the controller

Choice of three activation methods:

- **Timed (Standard)** – A recycle timer controls application of foam at regular, timed intervals —up to 1 minute foaming and up to 1 hour off. Timed models are used in moderate to high traffic areas
- **Push Button – Single Shot** (*Upgrade available at time of order only*) – Activated by a remote push button, the units must be physically activated each time foam is required. For use in low traffic areas
- **Photocell** (*Upgrade available at time of order only*) – These units supply foam to the entryway floor, “on demand,” for a set amount of time. The multi-function timer also controls the minimum amount of time between activations, preventing costly over-application when traffic is heavy

Includes

- NEMA rated control box
- Machined polypropylene foamer body
- Stainless steel mounting plate
- Color-coded metering tips (20)
- Metering tip driver
- 10' discharge hose with Lafferty Spreader nozzle

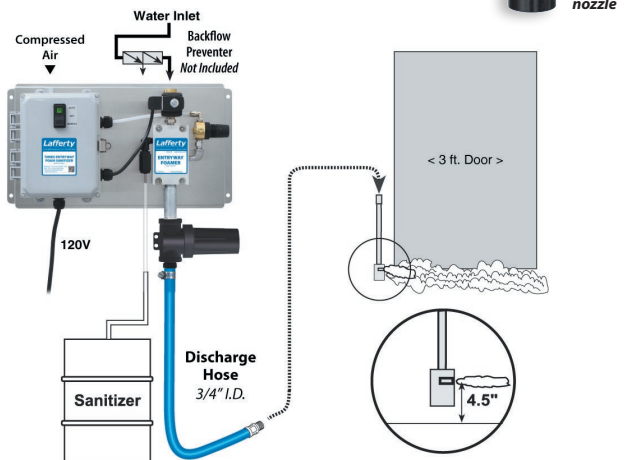


**UPGRADES available
at time of order**



Model #	Description
120 Volt models for use in the USA	
For Walk Doors (3 ft.)	
976500	Timed Entryway Foam Sanitizer
976505	Timed Dual Entryway Foam Sanitizer
For Double Doors (6 ft.)	
976530	Timed Entryway MV Foam Sanitizer
Options / Upgrades (Available at Time of Order):	
976012	Entryway Dual Chemical Pick-up Assembly
976001PB	Push Button Upgrade
976001EE	Photocell Upgrade
976001SL	Anticipatory Strobe Upgrade

Model #	Description
24 Volt models for use outside the USA	
For Walk Doors (3 ft.)	
976500-24V	Timed Entryway Foam Sanitizer - 24VAC
976505-24V	Timed Dual Entryway Foam Sanitizer - 24VAC
For Double Doors (6 ft.)	
976530-24V	Timed Entryway MV Foam Sanitizer - 24VAC
Options / Upgrades (Available at Time of Order):	
976012	Entryway Dual Chemical Pick-up Assembly
976001PB-24V	Push Button Upgrade
976001EE-24V	Photocell Upgrade





LAFFERTY TIMED ENTRYWAY HV FOAM SANITIZERS apply a layer of rich foam sanitizer to wide entryway floors to prevent cross contamination from foot or wheeled traffic. These are water-driven venturi systems that accurately dilute chemical concentrates to required ratios. A container of chemical concentrate is required at each entryway.

These systems are offered in 120V versions, for use in the United States, and 24V versions, for use outside the United States, and with a choice of three methods of activation:

- **Timed** — timer-controlled application at regular intervals
- **Push Button (Single Shot)** — manual activation of a single, timed application cycle
- **Photocell** — motion activation of a single, timed application cycle

TIMED ENTRYWAY HV FOAM SANITIZERS • For Wide / Overhead Doorways (8-16 ft. wide)

REQUIRES: 35-125 PSI WATER, CHEMICAL CONCENTRATE, COMPRESSED AIR, ELECTRICITY

- For wide / overhead doorways
- Venturi foamer draws chemical concentrate and dilutes it to the required ratio
- Optional additional chemical pick-up for adding foaming agent
- 24 Volt models, for use outside the USA, require a locally-sourced step-down transformer to provide 24 VAC power to the controller

Choice of three activation methods:

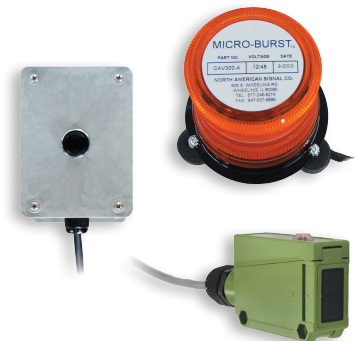
- **Timed (Standard)** – A recycle timer controls application of foam at regular, timed intervals —up to 1 minute foaming and up to 1 hour off. For use in moderate to high traffic areas
- **Push Button – Single Shot** (*Upgrade available at time of order only*) – Activated by a remote push button, the units must be physically activated each time foam is required. For use in low traffic areas
- **Photocell** (*Upgrade available at time of order only*) – These units supply foam to the entryway floor, “on demand,” for a set amount of time. The multi-function timer also controls the minimum amount of time between activations, preventing costly over-application when traffic is heavy

Includes

- NEMA rated control box
- Machined polypropylene foamer body
- Stainless steel mounting plate
- Color-coded metering tips (20)
- Metering tip driver
- 10' discharge hose and 2 Lafferty *Spreader* nozzles (Both must be used)



UPGRADES available
at time of order



Model #	Description
120 Volt models for use in the USA	

For Wide / Overhead Doors (8-16 ft.)

976560 Timed Entryway HV Foam Sanitizer

Option / Upgrades (Available at Time of Order):

976013	HV Entryway Dual Chemical Pick-up Assembly
976001PB	Push Button Upgrade
976001EE	Photocell Upgrade
976001SL	Anticipatory Strobe Upgrade

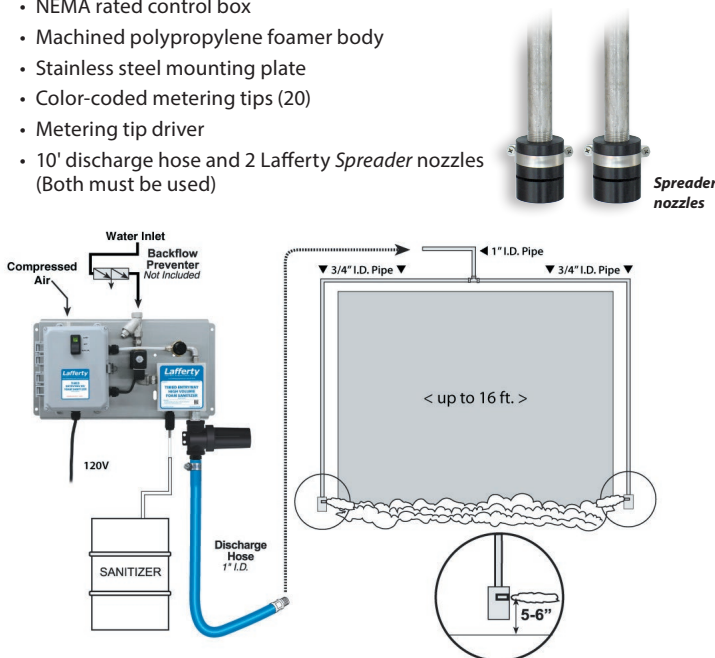
Model #	Description
24 Volt models for use outside the USA	

For Wide / Overhead Doors (8-16 ft.)

976560-24V Timed Entryway HV Foam Sanitizer - 24VAC

Option:

976013	HV Entryway Dual Chemical Pick-up Assembly
976001PB-24V	Push Button Upgrade
976001EE-24V	Photocell Upgrade





VENTURI SYSTEMS

- Timed Controller
- PLC JAZZ Controller

LAFFERTY ENTRYWAY SATELLITE SYSTEMS use one **Entryway Satellite Controller** to uniformly regulate up to 10 **Satellite Entryway Foam Sanitizers** in applying a layer of rich foam sanitizer to entryway floors to prevent cross contamination from foot or wheeled traffic. These are water-driven venturi systems that accurately dilute chemical concentrates to required ratios. A container of chemical concentrate is required at each entryway.

Satellite Foam Sanitizers are activated and operated by compressed air from the Satellite Controller — no electrical connection is required at the entryway location

ENTRYWAY SATELLITE CONTROLLERS

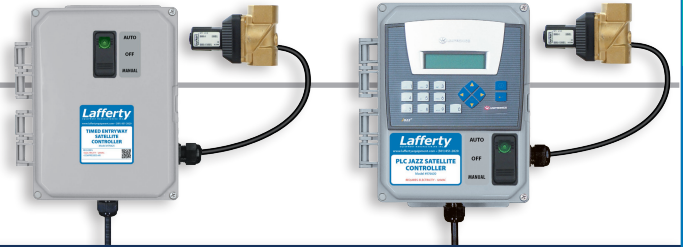
REQUIRES: ELECTRICITY, COMPRESSED AIR

Timed Entryway Satellite Controller

- Provides regular application cycles
- Controls up to 10 satellite foamers — All foamers activate and deactivate at the same time
- Adjustable timer controls the application (on/off) and delay (off) cycles
- The same cycle settings repeat until the Controller is turned off.
- Manual Override switch provides instant foam when needed
- 24 Volt models, for use outside the USA, require a locally-sourced step-down transformer to provide 24 VAC power to the controller

PLC Jazz Entryway Satellite Controller

- Allows variable settings for holidays, weekly or seasonal changes in hours of operation and peak and off-peak traffic demands.
- Controls up to 10 satellite foamers — All foamers **operate in accordance with a single set of programmed commands**
- Manual override for on and off cycles, without affecting the programming
- Features straightforward, menu-driven programming options
- 24 Volt models, for use outside the USA, require a locally-sourced step-down transformer to provide 24 VAC power to the controller



Model #	Description
120 Volt models for use in the USA	
976625	Timed Entryway Satellite Controller
976630	PLC Jazz Entryway Satellite Controller
24 Volt models for use outside the USA	
976625-24V	Timed Entryway Satellite Controller - 24VAC
976630-24V	PLC Jazz Entryway Satellite Controller - 24VAC

These controllers work with any combination of satellite units:

- *Satellite Foam (Walk Door)*
- *Satellite MV Foam (Double Door)*
- *Satellite HV Foam (Wide / Overhead Door).*

SATELLITE ENTRYWAY FOAM SANITIZERS

REQUIRES: 35-125 PSI WATER, CHEMICAL CONCENTRATE (& COMPRESSED AIR FROM CONTROLLER)

- For employee walk doors (3 ft. wide) and double doors (6 ft. wide)
- Venturi foamer draws chemical concentrate and dilutes it to the required ratio
- Optional dual chemical pick-up assembly for adding foaming agent

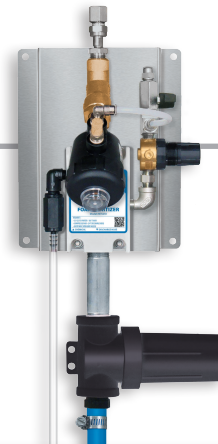
Includes

- NEMA rated control box
- Machined polypropylene foamer body
- Stainless steel mounting plate
- Color-coded metering tips (20)
- Metering tip driver
- 10' discharge hose with Lafferty *Spreader* nozzle



Satellite Foamers within 300 ft. of the controller require a minimum 1/2" air header from the controller to the satellite. Air @ 100 PSI.

Satellite Foamers 300-400 ft. from the controller require a minimum 3/4" air header from the controller to the satellite. Air @ 100 PSI.



Model #	Description
For Walk Doors (3 ft.)	
976650	Satellite Entryway Foam Sanitizer
For Double Doors (6 ft.)	
976651	Satellite Entryway MV Foam Sanitizer
Option:	
976012	Entryway Dual Chemical Pick-up Assembly

SATELLITE ENTRYWAY HV FOAM SANITIZERS (for Wide / Overhead Doorways (8-16 ft. wide)

REQUIRES: 35-125 PSI WATER, CHEMICAL CONCENTRATE (& COMPRESSED AIR FROM CONTROLLER)

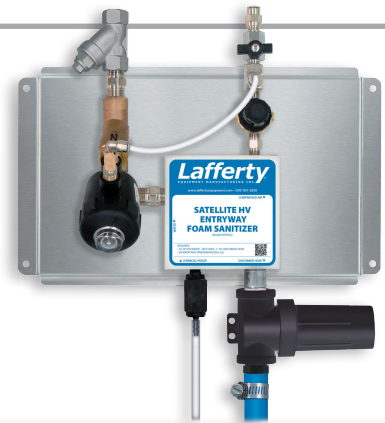
- For wide / overhead doorways
- Venturi foamer draws chemical concentrate and dilutes it to the required ratio
- Optional dual chemical pick-up assembly for adding foaming agent

Includes

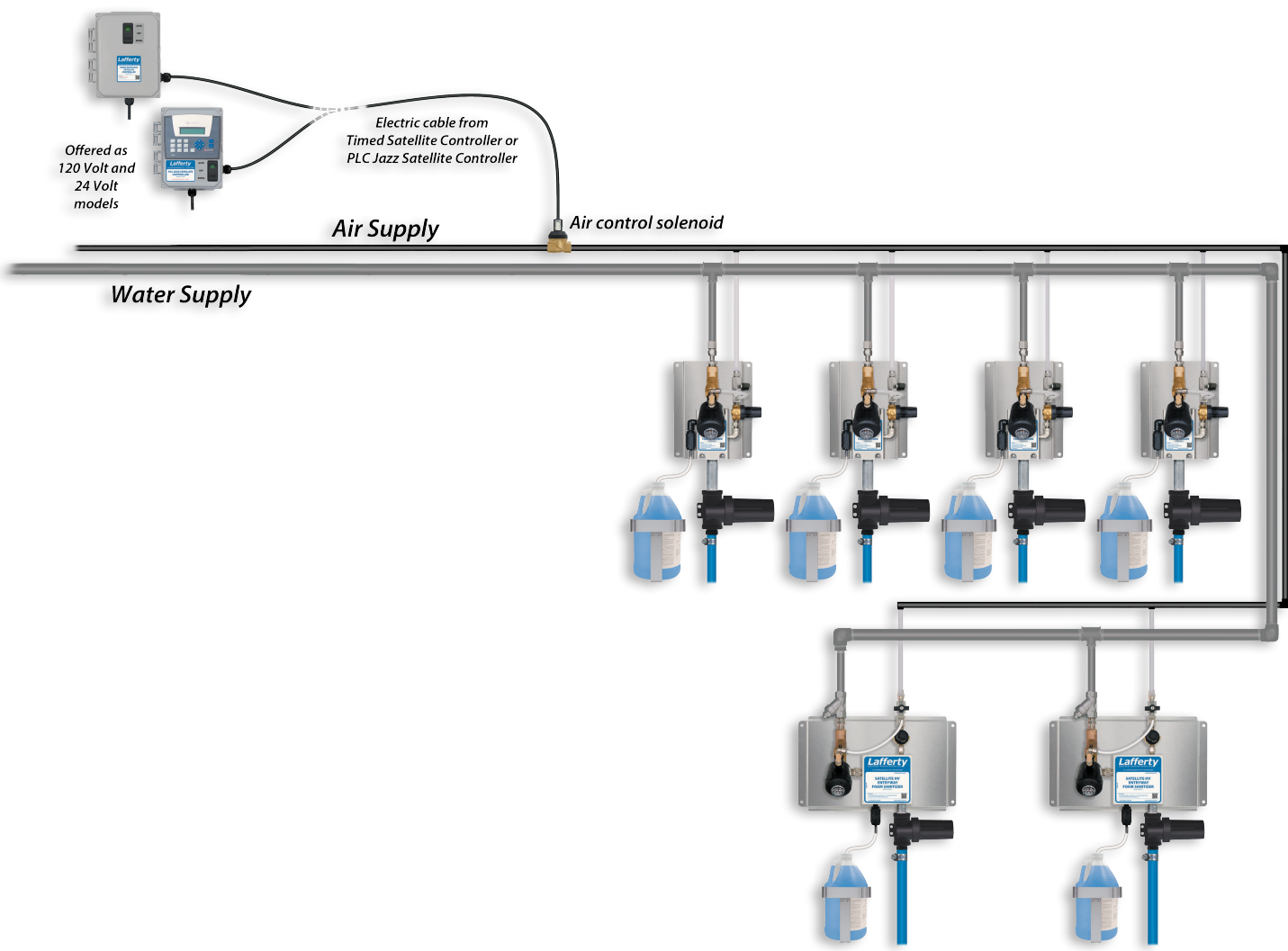
- NEMA rated control box
- Machined polypropylene foamer body
- Stainless steel mounting plate
- Color-coded metering tips (20)
- Metering tip driver
- 10' discharge hose and 2 Lafferty *Spreader* nozzles (Both must be used)



Spreader nozzles



Model #	Description
For Wide / Overhead Doors (8-16 ft.)	
976652	Satellite Entryway HV Foam Sanitizer
Option:	
976013	HV Entryway Dual Chemical Pick-up Assembly




**PUMP FED
SYSTEMS**

LAFFERTY TIMED PUMP FED ENTRYWAY FOAM SANITIZERS apply a layer of rich foam sanitizer to entryway floors to prevent cross contamination from foot or wheeled traffic. These pump fed systems are fed ready-to-use (RTU) chemical solution from a central chemical feed system, eliminating the presence of concentrated chemical at the entryway location.

These systems are offered in 120V versions, for use in the United States, and 24V versions, for use outside the United States, and with a choice of three methods of activation:

- **Timed** — timer-controlled application at regular intervals
- **Push Button (Single Shot)** — manual activation of a single, timed application cycle
- **Photocell** — motion activation of a single, timed application cycle

TIMED PUMP FED ENTRYWAY FOAM SANITIZERS

REQUIRES: RTU CHEMICAL SOLUTION @ 35 TO 75 PSI, COMPRESSED AIR, ELECTRICITY

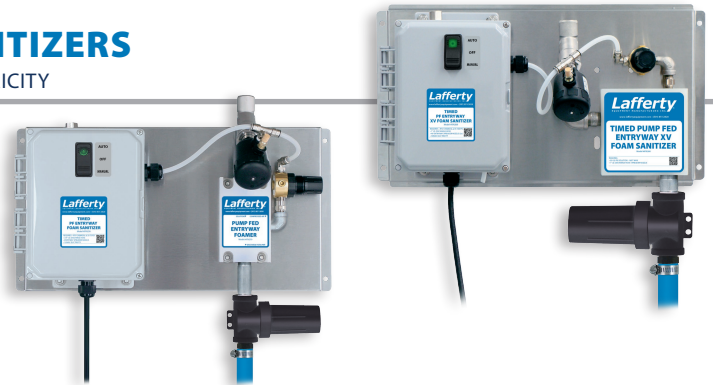
- For employee walk doors and double doors and wide/overhead doors 8' to 16' wide
- Units are fed RTU chemical solution from a central chemical feed system.

Choice of three activation methods:

- **Timed (Standard)** – A recycle timer controls application of foam at regular, timed intervals —up to 1 minute foaming and up to 1 hour off. Timed models are used in moderate to high traffic areas
- **Push Button – Single Shot** (*Upgrade available at time of order only*) – Activated by a remote push button, the units must be physically activated each time foam is required. Push Button (Single Shot) models are used in low traffic areas
- **Photocell** (*Upgrade available at time of order only*) – These units supply foam to the entryway floor, “on demand,” for a set amount of time. The multi-function timer also controls the minimum amount of time between activations, preventing costly over-application when traffic is heavy

Includes

- NEMA rated control box
- Machined polypropylene foamer body
- Stainless steel mounting plate
- Stainless steel solution solenoid
- 10' discharge hose with Lafferty *Spreader* nozzle(s)
— *XV models include two nozzles*


**Spreader
nozzle**


Model # Description

120 Volt models **for use in the USA**

For Walk Doors (3 ft.)

976250 Timed PF Entryway Foam Sanitizer

For Double Doors (6 ft.)

976256 Timed PF Entryway MV Foam Sanitizer

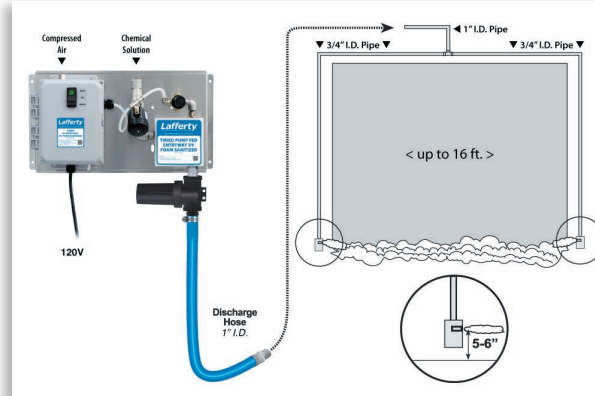
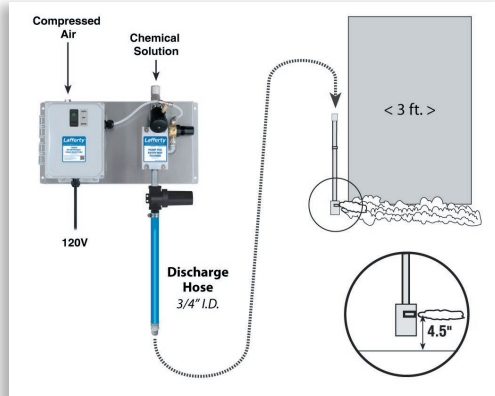
For Wide / Overhead Doors (8-16 ft.)

976260 Timed PF Entryway XV Foam Sanitizer

Upgrades (Available at Time of Order)

976003PB Push Button Upgrade for PF Entryway System

976003EE Photocell Upgrade for PF Entryway System



**UPGRADES available
at time of order**





Sandpiper Pump

1/2" or 1" AODD
Santoprene Diaphragm
Teflon Optional

LAFFERTY CENTRAL CHEMICAL PUMPING SYSTEMS deliver diluted chemical solution to multiple Lafferty Pump Fed Entryway Foam Sanitizers. A compressed air operated double diaphragm pump delivers diluted chemical to these units from a Lafferty High Flow Level Master System or from a holding tank.

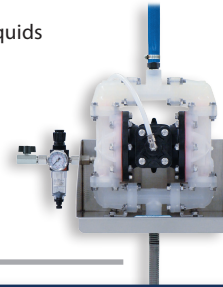
Choice of two flow rates, available with diaphragm upgrades to suit chemical compatibility needs.

These pumping systems are compatible with all the Pump Fed Entryway Systems shown on pages 10–13 and High Flow Level Master Systems on pages 15 and 17.

COMPRESSED AIR DRIVEN TRANSFER / PUMPING SYSTEMS

REQUIRES: COMPRESSED AIR, CHEMICAL CONCENTRATE OR RTU CHEMICAL SOLUTION

- A compressed air-operated double diaphragm pump transfers chemical concentrate or diluted ready-to-use (RTU) chemical solution from a bulk container to any other container.
- Choice of two flow rates — up to 12 or 40 gpm when used as transfer system; lower for more viscous liquids
- Polypropylene pump with Santoprene diaphragms
- Optional Teflon diaphragm available
- *These pumping systems can also be used in Central Chemical feed Systems for delivering diluted RTU chemical solution to Lafferty Pump Fed Sanitizers, Foamers and combination Hose Drop Stations. (See Catalog 5)*



1/2" Transfer / Mini-Central Pumping System

- Complete system mounted on a heavy duty stainless steel mounting bracket.
- Portable models feature heavy duty stainless steel carts and a choice of trigger gun or ball valve.

REQUIREMENTS / SPECIFICATIONS

Compressed Air up to **16 cfm** **453.1 lpm**

Output Volume (*according to intended use*)

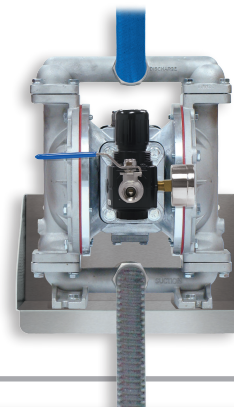
Transfer System	up to	12.0 gpm	45.4 lpm
Pumping System	up to	9.0 gpm	34.1 lpm

Model # Description

Up to 12 gallons per minute

919050	1/2" Transfer / Mini-Central Pumping System
941940	Portable 40 Gallon Freedom XV Transfer System
710919	Teflon Diaphragm Upgrade for 1/2" Air Pump

Larger capacity and custom systems available on request



1" Transfer / Central Pumping System

- Complete system mounted on a heavy duty stainless steel mounting bracket.

REQUIREMENTS / SPECIFICATIONS

Compressed Air up to **35 cfm** **991 lpm**

Output Volume (*according to intended use*)

Transfer System	up to	40.0 gpm	151.4 lpm
Pumping System	up to	25.0 gpm	94.6 lpm

Model # Description

Up to 40 gallons per minute

919060SS	1" Transfer / Central Pump System, Stainless Steel / Santoprene Diaphragm
710943	Teflon Diaphragm upgrade for 1" SS Air Pump



PUMP FED SYSTEMS

- Timed Controller
- PLC JAZZ Controller

LAFFERTY PUMP FED ENTRYWAY SATELLITE SYSTEMS use one **Entryway Satellite Controller** to uniformly regulate up to 10 **Satellite Pump Fed Entryway Foam Sanitizers** in applying a layer of rich foam sanitizer to entryway floors to prevent cross contamination from foot or wheeled traffic. These pump fed systems are fed ready-to-use (RTU) chemical solution from a central chemical feed system, eliminating the presence of concentrated chemical at the entryway location.

Satellite Foam Sanitizers are activated and operated by compressed air from the Satellite Controller — no electrical connection is required at the entryway location

ENTRYWAY SATELLITE CONTROLLERS

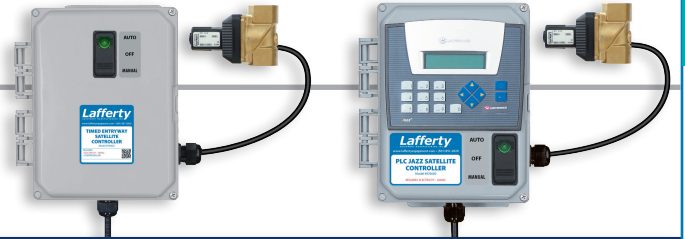
REQUIRES: ELECTRICITY, COMPRESSED AIR

Timed Entryway Satellite Controller

- Provides regular application cycles
- Controls up to 10 satellite foamers — All foamers activate and deactivate at the same time
- Adjustable timer controls the application (on/off) and delay (off) cycles
- The same cycle settings repeat until the Controller is turned off.
- Manual Override switch provides instant foam when needed
- 24 Volt models, for use outside the USA, require a locally-sourced step-down transformer to provide 24 VAC power to the controller

PLC Jazz Entryway Satellite Controller

- Allows variable settings for holidays, weekly or seasonal changes in hours of operation and peak and off-peak traffic demands.
- Controls up to 10 satellite foamers — All foamers **operate in accordance with a single set of programmed commands**
- Manual override for on and off cycles, without affecting the programming
- Features straightforward, menu-driven programming options
- 24 Volt models, for use outside the USA, require a locally-sourced step-down transformer to provide 24 VAC power to the controller



Model #	Description
120 Volt models for use in the USA	
976625	Timed Entryway Satellite Controller
976630	PLC Jazz Entryway Satellite Controller
24 Volt models for use outside the USA	
976625-24V	Timed Entryway Satellite Controller - 24VAC
976630-24V	PLC Jazz Entryway Satellite Controller - 24VAC

These controllers work with any combination of satellite units:

- *Satellite PF Foam (Walk Door)*
- *Satellite PF MV Foam (Double Door)*
- *Satellite PF XV Foam (Wide / Overhead Door)*

SATELLITE PF ENTRYWAY FOAM SANITIZERS • For Employee Walk Doors (3 ft. wide) and Double Doors (6 ft. wide)

REQUIRES: RTU CHEMICAL SOLUTION @ 35 TO 75 PSI (& COMPRESSED AIR FROM CONTROLLER)

- For employee walk doors and double doors
- Units are fed RTU chemical solution from a central chemical feed system

Includes

- NEMA rated control box
- Machined polypropylene foamer body
- Stainless steel mounting plate
- Stainless steel solution solenoid
- 10' discharge hose with Lafferty *Spreader* nozzle



Satellite Foamers within 300 ft. of the controller require a minimum 1/2" air header from the controller to the satellite. Air @ 100 PSI.
Satellite Foamers 300-400 ft. from the controller require a minimum 3/4" air header from the controller to the satellite. Air @ 100 PSI.

Model #	Description
For Walk Doors (3 ft.)	
976640	Satellite PF Entryway Foam Sanitizer
For Double Doors (6 ft.)	
976641	Satellite PF Entryway MV Foam Sanitizer

SATELLITE PF ENTRYWAY XV FOAM SANITIZERS • For Wide/Overhead Doorways (8-16 ft. wide)

REQUIRES: RTU CHEMICAL SOLUTION @ 35 TO 75 PSI (& COMPRESSED AIR FROM CONTROLLER)

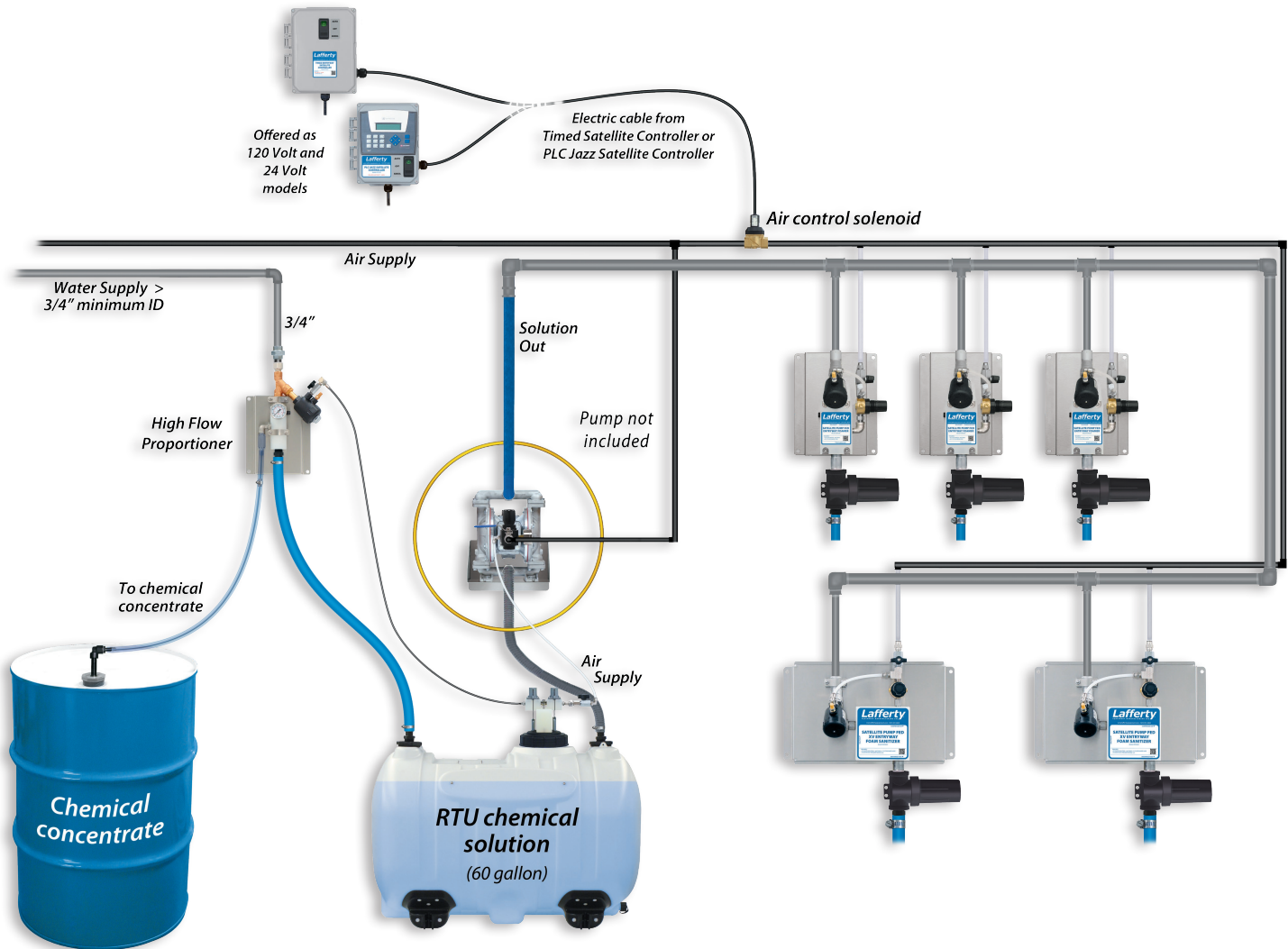
- For wide / overhead doors
- Units are fed RTU chemical solution from a central chemical feed system

Includes

- NEMA rated control box
- Machined polypropylene foamer body
- Stainless steel mounting plate
- Stainless steel solution solenoid
- 10' discharge hose and 2 Lafferty Spreader nozzles (Both must be used)



Model #	Description
For Wide / Overhead Doors (8-16 ft.)	
976642	Satellite PF Entryway XV Foam Sanitizer





PUMP FED SYSTEMS

• VISION Controller

LAFFERTY VISION PUMP FED ENTRYWAY SATELLITE SYSTEMS use one Vision Entryway Satellite Controller to control up to 6 zones of up to 10 Vision Satellite Pump Fed Entryway Foam Sanitizers in applying a layer of rich foam sanitizer to entryway floors to prevent cross contamination from foot or wheeled traffic. These pump fed systems are fed ready-to-use (RTU) chemical solution from a central chemical feed system, eliminating the presence of concentrated chemical at the entryway location.

Vision Satellite Pump Fed Foam Sanitizers are activated by compressed air from the Vision Satellite Controller and operated by compressed air local to the satellite — No electrical connection is required at the entryway location.

VISION SATELLITE CONTROLLERS

REQUIRES: ELECTRICITY, COMPRESSED AIR

- Allows variable settings for holidays, weekly or seasonal changes in hours of operation and peak and off-peak traffic demands.
- Controls up to 6 satellite zones simultaneously with up to 10 satellite foamers per zone — Each zone is programmed independently.
- Manual override for on and off cycles, without affecting the programming
- Features straightforward, menu-driven programming options
- 24 Volt models, for use outside the USA, require a locally-sourced step-down transformer to provide 24 VAC power to the controller



These controllers work with any combination of satellite units:

- *Satellite PF Foam (Walk Door)*
- *Satellite PF MV Foam (Double Door)*
- *Satellite PF XV Foam (Wide / Overhead Door)*

Model # Description

120 Volt models for use in the USA

976710 6-Zone PLC Vision Satellite Controller

24 Volt models for use outside the USA

976710-24V 6-Zone PLC Vision Satellite Controller - 24VAC

VISION SATELLITE PUMP FED ENTRYWAY FOAM SANITIZERS

• *For Employee Walk Doors (3 ft. wide) and Double Doors (6 ft. wide)*

REQUIRES: RTU CHEMICAL SOLUTION @ 35-75 PSI, COMPRESSED AIR

- For employee walk doors and double doors
- Units are fed RTU chemical solution from a central chemical feed system
- Each Vision satellite foamer requires a separate direct connection to compressed air for foamer operation.

Includes

- NEMA rated control box
- Machined polypropylene foamer body
- Stainless steel mounting plate
- Stainless steel solution solenoid
- 10' discharge hose with Lafferty Spreader nozzle



Model # Description

For Walk Doors (3 ft.)

976724 Vision Satellite PF Entryway Foam Sanitizer

For Double Doors (6 ft.)

976725 Vision Satellite PF Entryway MV Foam Sanitizer

VISION SATELLITE PUMP FED ENTRYWAY XV FOAM SANITIZERS

• For Wide / Overhead Doorways (8-16 ft. wide)

REQUIRES: RTU CHEMICAL SOLUTION @ 35 TO 75 PSI, COMPRESSED AIR

- For wide / overhead doors
- Units are fed RTU chemical solution from a central chemical feed system
- Each Vision Satellite foamer requires a separate direct connection to compressed air for foamer operation

Includes

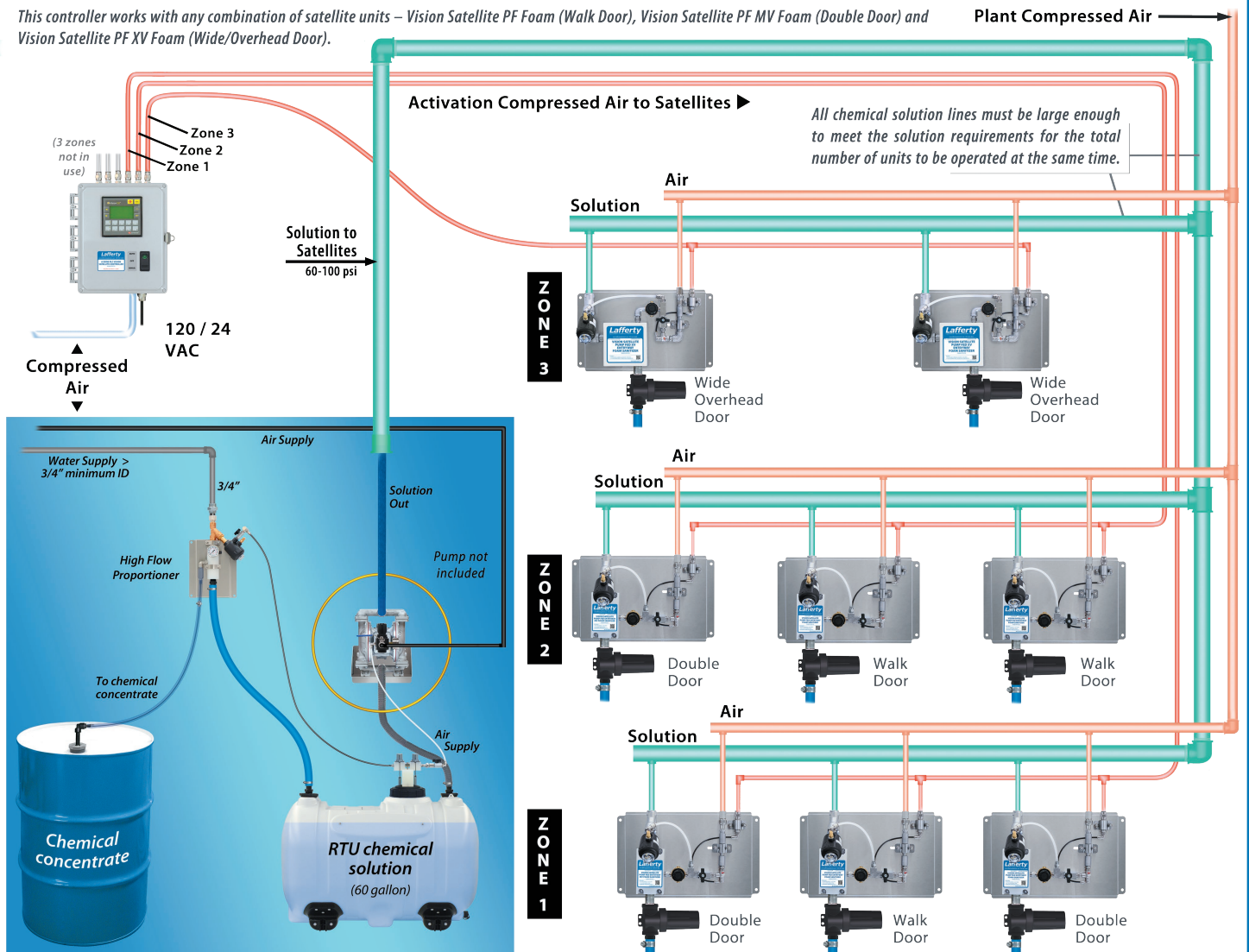
- NEMA rated control box
- Machined polypropylene foamer body
- Stainless steel mounting plate
- Stainless steel solution solenoid
- 10' discharge hose and 2 Lafferty Spreader nozzles (Both must be used)



Model #	Description
For Wide / Overhead Doors (8-16 ft.)	
976726	Vision Satellite PF Entryway XV Foam Sanitizer

Lafferty Vision Entryway Satellite System - Pump Fed

This controller works with any combination of satellite units – Vision Satellite PF Foam (Walk Door), Vision Satellite PF MV Foam (Double Door) and Vision Satellite PF XV Foam (Wide/Overhead Door).





LAFFERTY LEVEL MASTER SYSTEMS are float valve operated proportioners, designed to maintain the desired level of ready-to-use (RTU) chemical solution in any reservoir. Lafferty's novel design incorporates machined, solid blocks of chemical-resistant polypropylene to reduce chemical leak points and enhance overall durability and function.

Standard Level Master Systems will produce RTU solution from one chemical concentrate. Available in two styles — bracket mount or lid mounted that are integrated with a tank lid to fit optional 7-gallon, 16-gallon, or 20-gallon tanks. (Lid-mounted High Flow Level Master Systems include a 60-gallon tank.)

Gemini Level Master Systems (see page 9) will separately proportion two chemicals before mixing the two solutions as they flow into the holding tank.

LEVEL MASTER™ SYSTEMS

REQUIRES: 25-80 PSI WATER

- Features a single water-driven venturi proportioner to dilute one chemical to the required ratio
- Single float design or dual float design for locations where preventing accidental overflow is critical. A second, smaller float provides fail-safe protection.
- Unsinkable solid polypropylene float suspended by a rigid "push rod" ensures smooth operation and prevents the float valve from sticking in the open position
- Chemical resistant wetted components ensure years of outstanding performance with minimal maintenance
- Downstream check valve prevents back-flow of liquid or vapor into the float valve to eliminate the potential for damage to internal components
- Industrial-strength design holds up in tough environments

Two styles

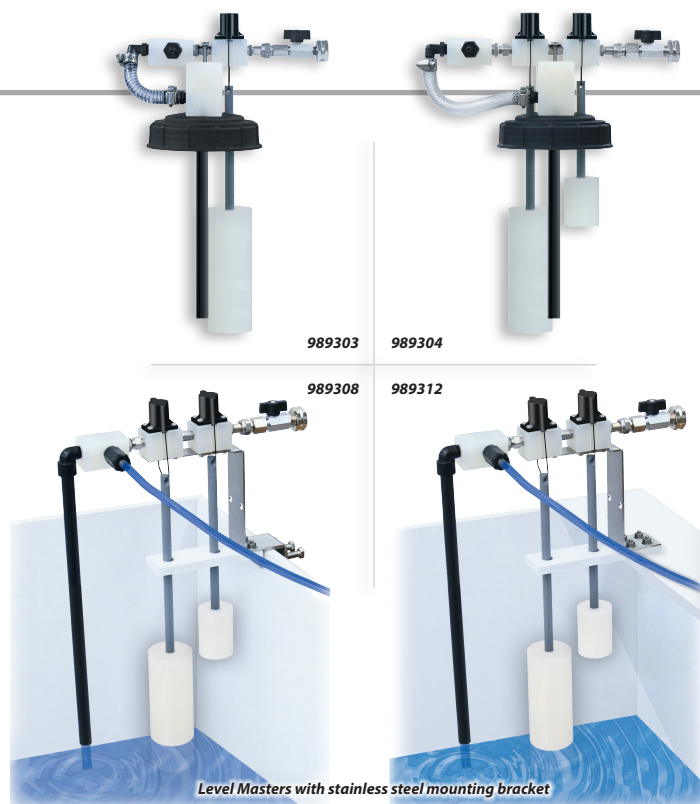
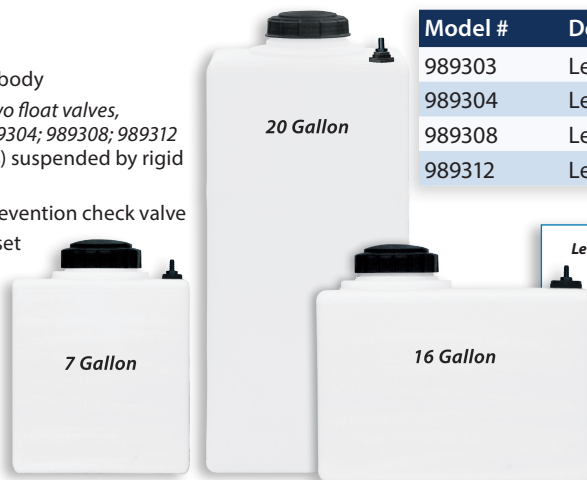
- Systems with heavy-duty stainless steel bracket for open tanks
SS Bracket clamps to the wall of an open tank
 - *SSHM Bracket* – horizontal mount – bolts to the top of a user-supplied tank
- Systems integrated into a tank lid designed to fit a 7-gallon, 16-gallon or 20-gallon tank (*Can also be fitted to an optional 60-gallon tank.*)

REQUIREMENTS / SPECIFICATIONS

Water Pressure	25 - 80 PSI	1.7 - 5.5 bar
Water Flow Rate	@ 40 PSI	@ 2.8 bar
	2.4 gpm	9.1 lpm

Includes

- Water supply inlet strainer
- Water supply shut-off ball valve
- Machined polypropylene injector body
- Magnetic float valve (989303) — *two float valves, primary and fail-safe, for models 989304; 989308; 989312* — with solid polypropylene float(s) suspended by rigid CPVC push rod
- Stainless steel / Viton back-flow prevention check valve
- Color-coded metering tips (20) to set dilution ratios
- Metering tip driver
- Stainless steel bracket or plastic lid for a paired tank as indicated by model number (*Paired tank not included.*)



Model #	Description
989303	Level Master™ (Single Float - No Tank)
989304	Level Master™ (No Tank)
989308	Level Master™ with SS Bracket
989312	Level Master™ with SSHM Bracket

Level Master™ Tanks are heavy-duty HDPE tanks designed for use with a Level Master lid assembly (sold separately). Each tank includes inlet and discharge assemblies with hose barbs.

Level Master Tank Sizes (Specify When Ordering)
 7 Gallon# 709170
 16 Gallon# 709171
 20 Gallon# 709172

HIGH FLOW LEVEL MASTER SYSTEMS

REQUIRES: 35-125 PSI WATER, COMPRESSED AIR, CHEMICAL CONCENTRATE

- Float-valve-operated proportioners, designed to quickly replenish and maintain the desired level of ready-to-use (RTU) chemical solution in any reservoir.
- The float valve triggers an air-activated solenoid to start and stop the flow of water through the high volume venturi proportioners.
- Draws chemical concentrate from a user-supplied bulk container, dilutes the chemical to required ratio and delivers the solution to the 60 gallon tank (or a user-supplied pumping system)
- Complete with hook-up connections for a compressed air-operated Lafferty Pumping System (or a user-supplied pumping system)

Choice of two flow rates.

Replenishes RTU solution at:

- 10.6 gpm @ 40 PSI – 989100; 989106
(Includes a single high flow venturi proportioner)
- 21.2 gpm @ 40 PSI – 989101; 989108
(Includes two high flow venturi proportioners)

Two styles

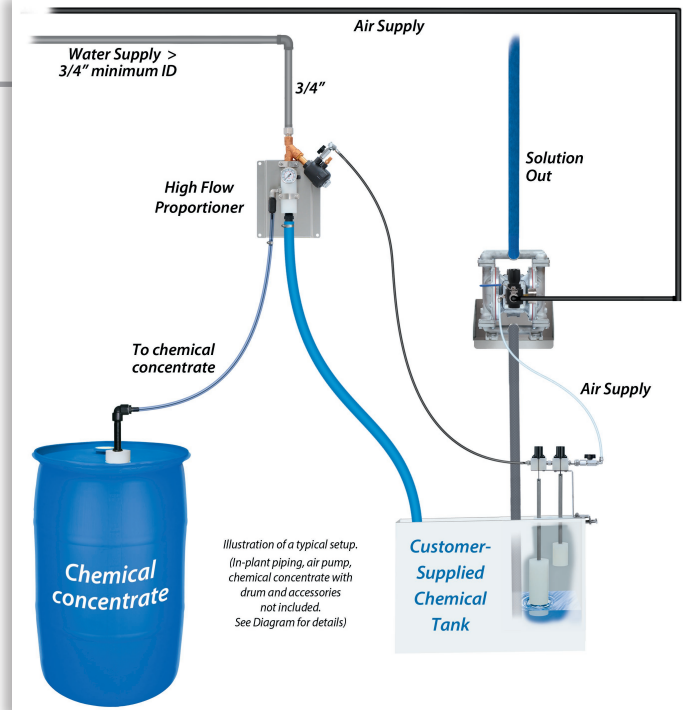
- Systems with heavy-duty stainless steel bracket for open tanks
 - SS Bracket clamps to the wall of an open tank
 - SSHM Bracket – horizontal mount – bolts to the top of a user-supplied tank
- Systems integrated with the lid of the included 60-gallon tank

REQUIREMENTS / SPECIFICATIONS

Compressed Air	<1 cfm	<28.3 lpm
Water Pressure	35 - 125 PSI	2.4 - 8.6 bar
Water Flow Rate	@ 40 PSI	@ 2.8 bar
989100 / 989106	10.6 gpm	40.1 lpm
989101 / 989108	21.2 gpm	80.3 lpm

Includes

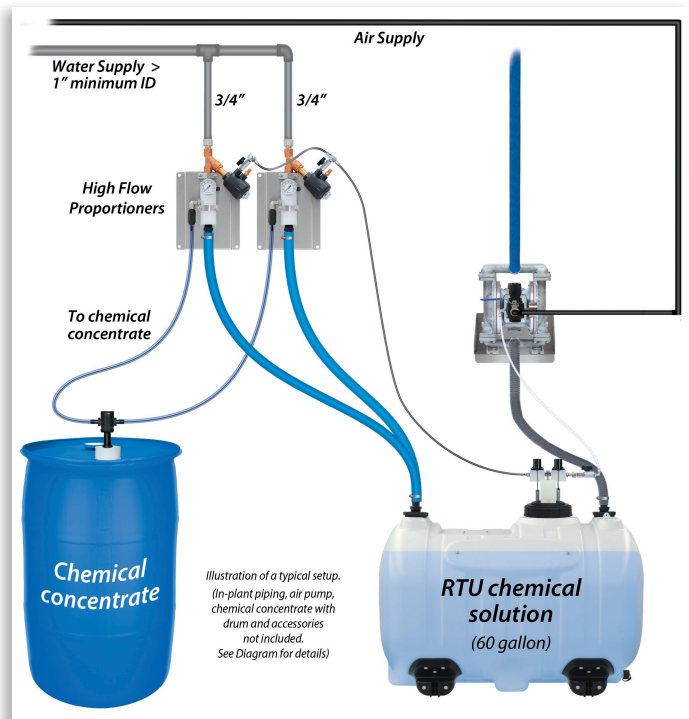
- Auto on/off float valve, for continuous operation
- Manual on/off ball valve, for use when emptying solution reservoir
- Two magnetic float valves (primary and fail-safe) with solid polypropylene floats suspended by rigid CPVC push rods
- High flow proportioner(s) with machined polypropylene injector body
- Stainless steel Satellite Mixing Station mounting plate(s)
- Air-activated water solenoid
- 60 gallon, HDPE chemical tank with drain
- Color coded metering tips for up to 21 dilution ratios (1 set per proportioner)
- Metering tip driver



Model #	Description
989100	10 GPM High Flow Level Master™
989101	20 GPM High Flow Level Master™
989106	60/10 High Flow Level Master™
989108	60/20 High Flow Level Master™

▲ 10 GPM & 60/10 Level Master Systems include one High Flow Proportioner -- illustrated above.

▼ 20 GPM & 60/20 Level Master Systems include two High Flow Proportioners -- illustrated below.





LAFFERTY GEMINI LEVEL MASTERS allow precise, independent dilution of two chemicals, with differing viscosities and dilution ratios, and are float-valve-operated proportioners, designed to quickly replenish and maintain the desired level of ready-to-use (RTU) chemical solution in any reservoir. The float valve triggers an air-activated solenoid to start and stop the flow of water through the high flow Gemini venturi proportioners. A secondary float valve provides fail-safe protection.

Available in two styles — bracket mount or lid mounted that are integrated with a tank lid to fit optional 7-gallon, 16-gallon, or 20-gallon tanks. **Gemini High Flow Level Master Systems** are available as integrated systems complete with 60-gallon tanks.

GEMINI LEVEL MASTER SYSTEMS

REQUIRES: 25-80 PSI WATER, COMPRESSED AIR AND TWO CHEMICAL CONCENTRATES

- Automatically maintains a pre-set level of ready-to-use chemical solution in a paired tank (*sold separately, see options*)
- The industry-leading Gemini™ proportioner dilutes two chemical concentrates and blends them downstream so that the concentrates never come into direct contact
- Designed to withstand demanding operating environments and the aggressive nature of chlorine dioxide
- Dual magnetic float valve design includes a primary valve to regulate normal operation and a secondary fail-safe valve to shut off the system if the primary float valve malfunctions
- Unsinkable solid polypropylene floats suspended by rigid "push rods" ensure smooth operation and prevent the float valves from sticking in the open position
- Downstream check valve prevents back-flow of liquid or vapor into the float valves to eliminate the potential for damage to internal mechanisms

Two styles

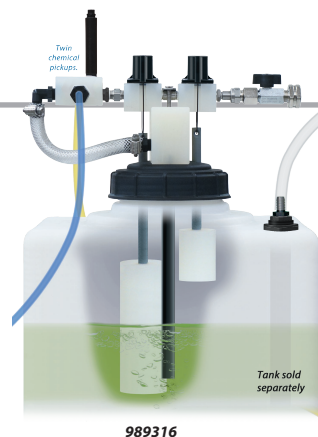
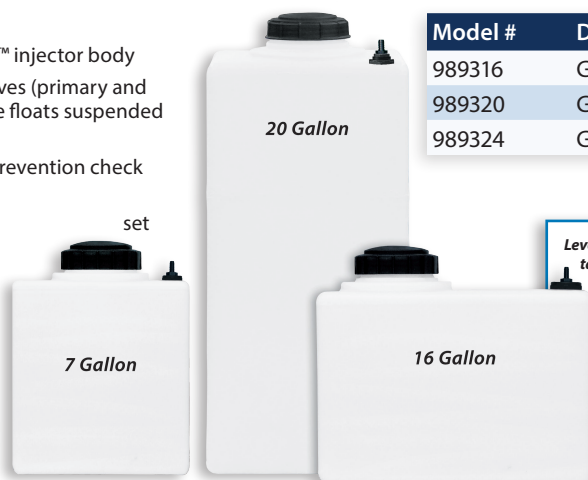
- Systems with heavy-duty stainless steel bracket for open tanks
SS Bracket clamps to the wall of an open tank
- SSHM Bracket* – horizontal mount – bolts to the top of a user-supplied tank
- Systems integrated into a tank lid designed to fit a 7-gallon, 16-gallon or 20-gallon tank (*also can be fitted to an optional 60-gallon tank*)

REQUIREMENTS / SPECIFICATIONS

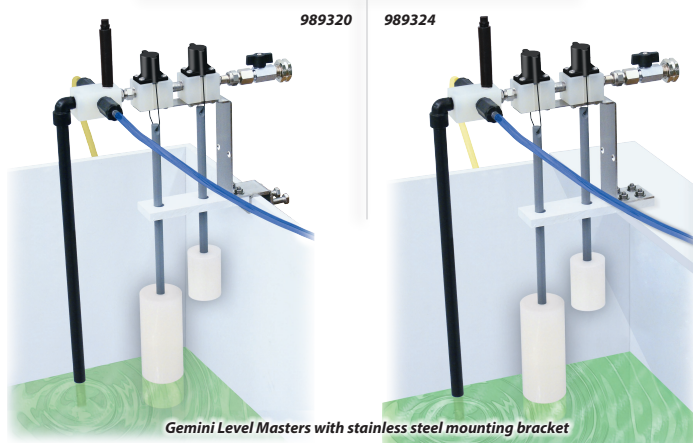
Water Pressure	25 - 80 PSI	1.7 - 5.5 bar
Water Flow Rate	@ 40 PSI	@ 2.8 bar
	2.4 gpm	9.1 lpm

Includes

- Water supply inlet strainer
- Water supply shut-off ball valve
- Machined polypropylene Gemini™ injector body
- Two machined magnetic float valves (primary and fail-safe) with solid polypropylene floats suspended by rigid CPVC push rods
- Stainless steel / Viton back-flow prevention check valve
- Color-coded metering tips (20) to dilution ratios
- Metering tip driver
- Stainless steel bracket or plastic lid for a paired tank as indicated by model number (*Paired tank not included.*)



989316



Gemini Level Masters with stainless steel mounting bracket

Model #	Description
989316	Gemini Level Master™ (No Tank)
989320	Gemini Level Master™ with SS Bracket
989324	Gemini Level Master™ with SSHM Bracket

Level Master™ Tanks are heavy-duty HDPE tanks designed for use with a Level Master lid assembly (*sold separately*). Each tank includes inlet and discharge assemblies with hose barbs.

Level Master Tank Sizes (Specify When Ordering)

7 Gallon	# 709170
16 Gallon	# 709171
20 Gallon	# 709172

GEMINI HIGH FLOW LEVEL MASTER SYSTEMS

REQUIRES: 35-125 PSI WATER, COMPRESSED AIR, TWO CHEMICAL CONCENTRATES

- Automatically maintains a pre-set level of ready-to-use chemical solution in a customer supplied tank
- The unique Gemini™ proportioner draws 2 chemical concentrates and blends them downstream after dilution
- Dilution ratios are controlled independently for each chemical using precision metering tips
- Dual magnetic float valve design includes a primary valve to regulate normal operation and a secondary fail-safe valve to shut off the system if the primary float valve malfunctions
- Unsinkable solid polypropylene floats suspended by rigid "push rods" ensure smooth operation and prevent the float valves from sticking in the open position
- Chemical resistant wetted components ensure years of outstanding performance with minimal maintenance
- Industrial-strength design holds up in tough environments
- Complete with hook-up connections for a compressed air-operated Lafferty Pumping System (or a user-supplied pumping system)
- Choice of two flow rates. Replenishes RTU solution at:
 - 7.0 gpm @ 40 PSI – 989072; 989126
(Includes a single Gemini high flow venturi proportioner)
 - 14.0 gpm @ 40 PSI – 989074; 989128
(Includes two Gemini high flow venturi proportioners)

Two styles

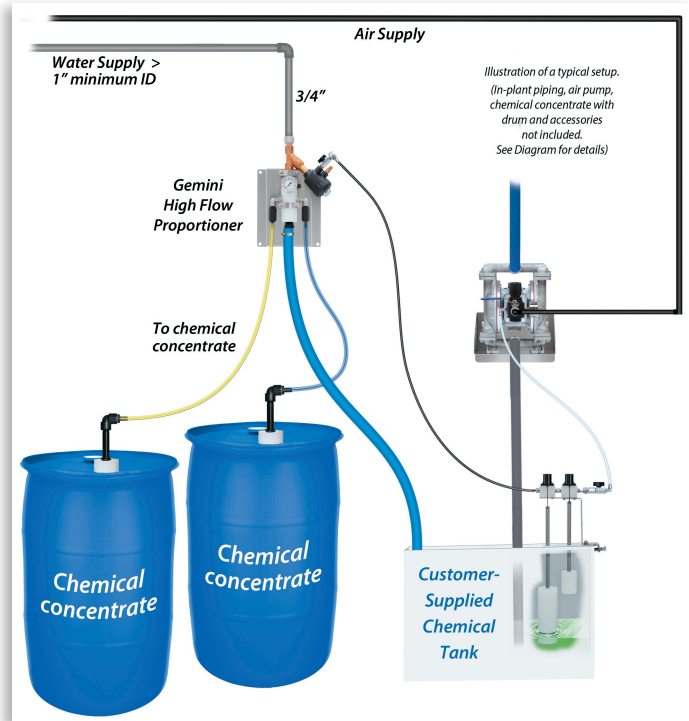
- Systems with heavy-duty stainless steel bracket for open tanks
 - SS Bracket clamps to the wall of an open tank
 - SSHM Bracket – horizontal mount – bolts to the top of a user-supplied tank
- Systems integrated with the lid of the included 60-gallon tank

REQUIREMENTS / SPECIFICATIONS

Compressed Air	<1 cfm	<28.3 lpm
Water Pressure	35 - 125 PSI	2.4 - 8.6 bar
Water Flow Rate	@ 40 PSI	@ 2.8 bar
989072; 989126	7.0 gpm	26.5 lpm
989076; 989128	14.0 gpm	53.0 lpm

Includes

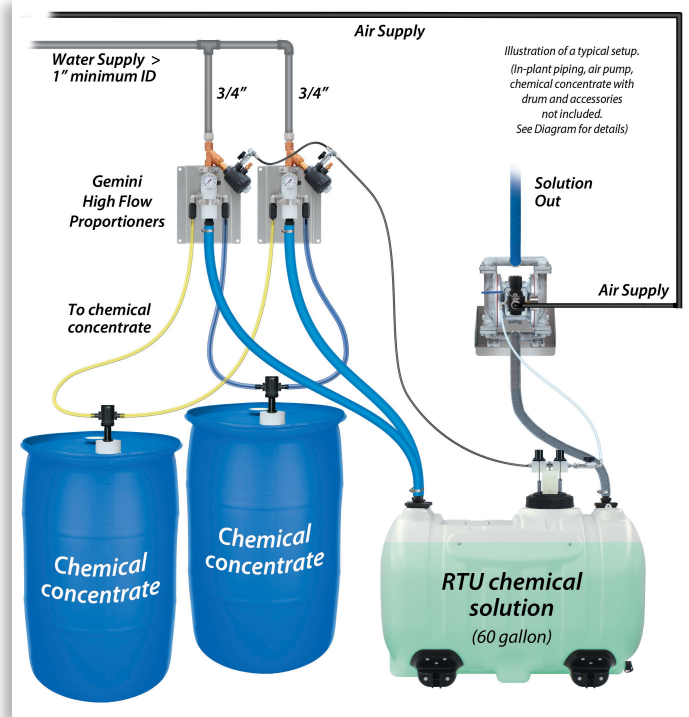
- Stainless steel Level Master mounting bracket (989072; 989074) or 60-gallon high density polyethylene (HDPE) chemical tank with drain (989126; 989128)
- Two magnetic float valves (primary and fail-safe) with solid polypropylene floats suspended by rigid CPVC push rods
- Air inlet ball valve
- Two machined polypropylene Gemini™ injector bodies
- Stainless steel Satellite Mixing Station mounting plates
- Air-activated water solenoids
- Two sets, per Mixing Station, of 20 color-coded precision metering tips
- Metering tip driver with each set of metering tips

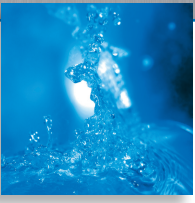


Model #	Description
989072	7 GPM Gemini High Flow Level Master™
989074	14 GPM Gemini High Flow Level Master™
989126	60/7 Gemini High Flow Level Master™
989128	60/14 Gemini High Flow Level Master™

▲ Illustrated above, 7 GPM & 60/7 Gemini High Flow Level Master Systems include one High Flow Proportioner.

▼ Illustrated below, 4 GPM & 60/14 Level Master Systems include two High Flow Proportioners.





LAFFERTY DRUM STICKS™ AND TOTE STICKS™ are chemical pick-up assemblies for use with pump-operated or venturi systems to draw chemical concentrates or diluted chemical solution directly from a drum, tote or holding tank.

Choice of seal material for optimum chemical resistance.

Choice of lengths with custom lengths available.

DRUM STICK / TOTE STICK

- Chemical/acid resistant polypropylene construction
- Connects to chemical pick-up tubes fitted to any venturi applicator or chemical pumping system
- Drum Bung Adaptor, machined to fit either coarse or fine-threaded bung holes, and Tote Stick Cover, for larger openings on totes and other bulk containers, keep trash out of chemical and allow easy depth adjustment of the Drum or Tote Stick.
- Rigid pipe overcomes problems common with flexible tubing
- Hastelloy strainer easily accessible for cleaning
- Choice of Viton or EPDM seals

SPECIFICATIONS

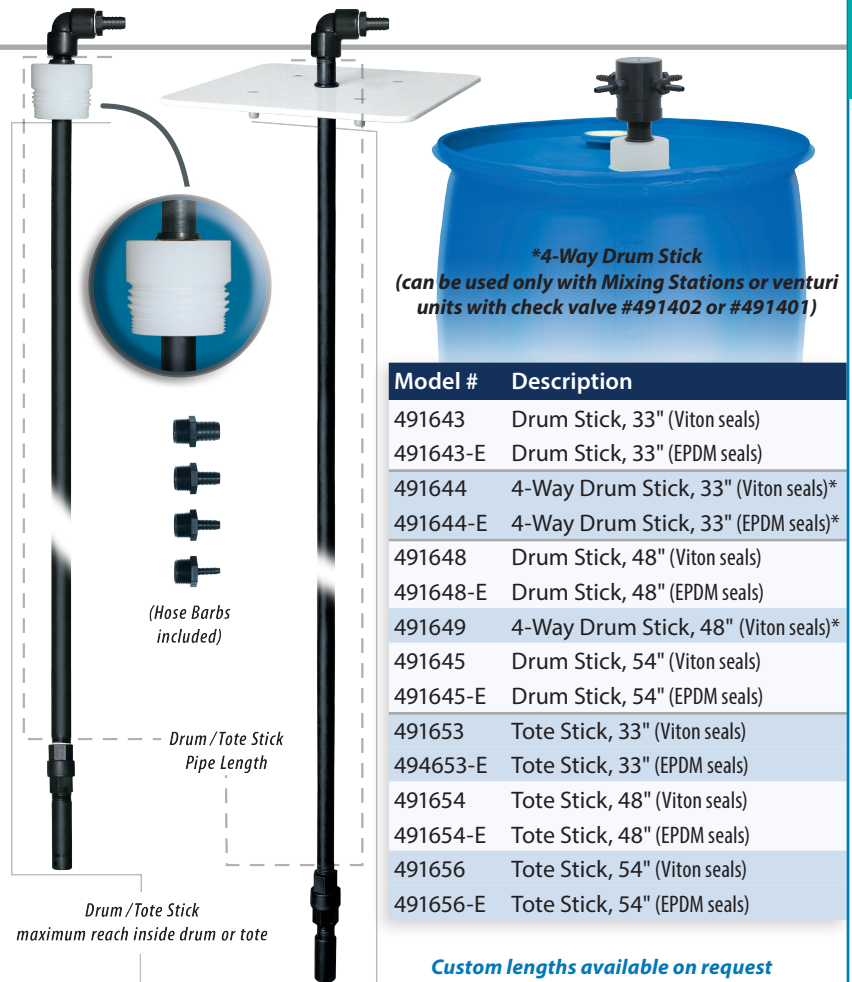
Polypropylene extension pipe

ID	3/4 in.	19.1 mm
Lengths:	Pipe Length	Inside Drum/Tote
33" Drum Stick	33 in. / 0.83 m	35 in. / 0.89 m
48" Drum Stick	48 in. / 1.22 m	50 in. / 1.27 m
54" Drum Stick	54 in. / 1.37 m	56 in. / 1.42 m
33" Tote Stick	33 in. / 0.8 m	36 in. / 0.91 m
48" Tote Stick	48 in. / 1.22 m	51 in. / 1.29 m
54" Tote Stick	54 in. / 1.37 m	57 in. / 1.45 m

Includes

- Machined polypropylene Drum Bung Adaptor with coarse and fine threads or 11" x 11" polypropylene Tote Stick Cover
- Four polypropylene hose barbs:

1/4 in.	6.3 mm
3/8 in.	9.5 mm
1/2 in.	12.7 mm
3/4 in.	19.0 mm
- Polypropylene chemical check valve
- Hastelloy chemical strainer



AIRLESS
FOAM
SYSTEMS
—•—
AIR PUMP
POWERED
SYSTEMS

LAFFERTY TIMED ENTRYWAY AIRLESS FOAM SANITIZERS and **TIMED AIR PUMP ENTRYWAY FOAM SANITIZERS** apply a layer of high quality foam sanitizer to entryway floors at regular, timed intervals to prevent cross contamination from foot or wheeled traffic. These are venturi systems that accurately dilute chemical concentrates to required ratios. A container of chemical concentrate is required at each entryway.

Entryway Airless Foam Sanitizers are for use in locations where compressed air is not available. These are water-driven venturi systems.

Air Pump Entryway Foam Sanitizers are powered by compressed air and are designed for use in facilities where plumbed water pressure is unavailable, unreliable or lower than the 35 PSI required for conventional venturi foamers.

TIMED ENTRYWAY AIRLESS FOAM SANITIZERS • For Employee Walk Doors (3 ft. wide) and Double Doors (6 ft. wide)

REQUIRES: 35-125 PSI WATER, CHEMICAL CONCENTRATE, ELECTRICITY

- For employee walk doors and double doors
- Time Dual Entryway Airless Foam Sanitizer (976495) is equipped with two airless foam wands to be positioned either side of a double door or at two adjacent walk doors.
- Venturi foamer draws chemical concentrate and dilutes it to the required ratio
- Dual chemical pick-ups for adding foaming agent or additional foaming sanitizer
- 24 Volt models, for use outside the USA, require a locally-sourced step-down transformer to provide 24 VAC power to the controller
- Timed Entryway Airless Foam Sanitizers contain a recycle timer, allowing application of foam at regular, timed intervals – up to 1 minute foaming and up to 1 hour off – and are used in moderate to high traffic areas

Includes

- NEMA rated control box
- Machined polypropylene foamer body
- Stainless steel mounting plate
- Color-coded metering tips (20)
- Metering tip driver
- 10' discharge hose with Lafferty airless foam wand(s)



Model #	Description
120 Volt models for use in the USA	
For Walk Doors (3 ft.)	
976490	Timed Entryway Airless Foam Sanitizer
For Double Doors (6 ft.)	
976495	Timed Dual Entryway Airless Foam Sanitizer

TIMED AIR PUMP ENTRYWAY FOAM SANITIZER

• For Employee Walk Doors (3 ft. wide)

REQUIRES: COMPRESSED AIR, ELECTRICITY, WATER (MINIMAL PRESSURE)

- For employee walk doors
- Designed for facilities with very low or fluctuating water pressure
- Compressed air —60 to 90 PSI— drives an air operated pump that provides the water pressure required to drive the venturi foamer.
- No chemical passes through the air pump
- Optional additional chemical pick-up kit for adding foaming agent

Includes

- NEMA rated control box
- Stainless steel enclosure
- Color-coded metering tips (20)
- Metering tip driver
- Air operated double diaphragm pump
- 10' discharge hose with Spreader nozzle



Spreader
nozzle



Model #	Description
976100	Timed Air Pump Entryway Foam Sanitizer
Option:	
976012	Entryway Dual Chemical Pick-up Assembly

AIR ASSISTED

THE LAFFERTY TIMED TRENCH FOAM SANITIZER is an automated system for creating rich, thick foam sanitizer, at regular, timed intervals, and feeding it to a foam bar located in the trench drain that needs to be sanitized. This is a water-driven venturi system that accurately dilutes chemical concentrates to required ratios. The system's recycling timer is user programmable to meet the needs of any facility.

This system can be used for trench drains from 10' to 48' in length — longer trench lengths will require multiple systems. Custom length trench foam bars (10'-48') are offered separately to match the individual requirements of each facility.

TIMED TRENCH FOAM SANITIZER

REQUIRES: 35-125 PSI WATER + COMPRESSED AIR + CHEMICAL CONCENTRATE

- Trench foaming ensures complete sanitation for trench drains.
- Designed to feed trench drain foam bars from 10' to 48' long
- Creates rich, clinging foam which increases chemical coverage and contact time
- Water, chemical and air flow are adjusted during operation to fine tune settings based on trench length and results.
- Reduces labor costs associated with manually foaming drains
- Chemically resistant wetted components ensure durability and years of reliable performance
- Adjustable recycling timer controls the run time and delay time
- Trench drain foam bars and connector hoses are offered separately "by the foot" (specify length).



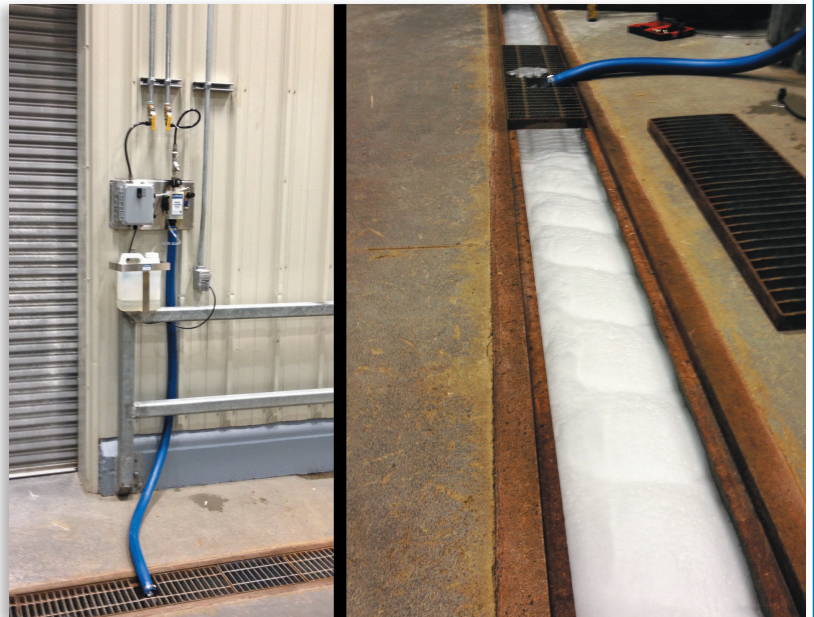
Model #	Description
976831	Timed Trench Foam Sanitizer

REQUIREMENTS / SPECIFICATIONS

Compressed Air	(up to)	4 cfm	113.3 lpm
Water Pressure		35-125 PSI	2.4-8.6 bar
Water Flow Rate		@ 40 PSI	@ 2.8 bar
		3.8-7.8 gpm	14.4-29.5 lpm
Discharge Hose/Pipe ID	(Not included)		
		1 in.	25.4 mm

Includes

- NEMA rated timer control box
- Machined polypropylene foamer body
- Stainless steel mounting plate
- Chemical, water, and air flow needle valves
- 20 color-coded precision metering tips to set dilution ratios
- Metering tip driver



AIR ASSISTED

LAFFERTY DRAIN AND WET WELL SANITIZING AND MAINTENANCE SYSTEMS

produce high quality air-assisted or airless foam for sanitizing drain lines, preventing drains from being conduits for microbial contamination, or for odor control in sewer system wet wells or septic tanks.

Lafferty Portable Freedom HV and XV Foamers, with drain foamer attachments, can completely fill drain lines with foam that clears residual waste water and introduces sanitizer throughout the drainage system.

Lafferty Drain Maintainer™ Systems dispense sanitizing foam directly into drains at regular intervals to provide a constant foam barrier between “ready-to-eat” areas and the effluent in the drains.

PORTABLE FREEDOM FOAMERS AND DRAIN FOAMER ATTACHMENT

Portable Freedom XV Foamers

REQUIRES: COMPRESSED AIR, READY-TO-USE CHEMICAL SOLUTION

- Freedom XV Foamers are powered by compressed air and create and project a large amount of high quality foam
- An air-operated, double diaphragm pump is used to draw and pressurize RTU chemical solution from the 60-gallon tank.
- Zero degree nozzle for maximum foam throw.

REQUIREMENTS / SPECIFICATIONS

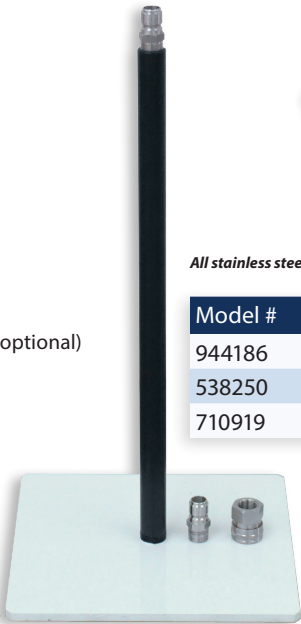
Compressed Air	14 cfm	396.4 lpm
Max. pressure	90 PSI	6.2 bar
Discharge Hose		
ID	1 in.	19.1 mm
Length	40 ft.	12.2 m
Foaming Time (per 60 gallon tank)		15 minutes

Includes

- Polypropylene pump with Santoprene® diaphragms (Teflon optional)
- Lockable, stainless steel enclosure
- All stainless steel cart with stainless steel casters
- 60-gallon polyethylene tank
- Color-coded metering tips (20) and metering tip driver
- Discharge hose with stainless steel ball valve, foam wand and nozzle



All stainless steel cart with stainless steel casters and 60 gallon, high density polyethylene tank



Model #	Description
944186	Portable 60 Gallon Freedom XV Foamer
538250	Drain Foamer Attachment
710919	Teflon Diaphragm Upgrade for 1/2" Air Pump

Drain Foamer Attachment — includes an additional wand assembly for use when sanitizing drains. Also includes quick disconnects to allow easy exchanging of the drain foamer wand and the standard wand.

See Catalog 4 for more
Drain Foaming options.

TIMED DRAIN MAINTAINER FOAM SANITIZING SYSTEM

REQUIRES: 35-150 PSI WATER, COMPRESSED AIR, ELECTRICITY, CHEMICAL CONCENTRATE

- The Drain Maintainer Foamer is a timed, air assisted, low volume venturi system that dilutes chemical concentrates with water to required ratios.
- Provides a constant microbial foam barrier between "ready to eat" areas and effluent in the drains
- Ideal for use in conjunction with a Lafferty Drain Foamer as part of a regular drain sanitizing regimen



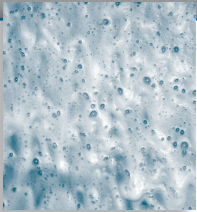
REQUIREMENTS / SPECIFICATIONS

Compressed Air	(up to)	0.5 cfm	14.2 lpm
Water Pressure		50 - 125 PSI	3.4 - 8.6 bar
Water Flow Rate		@ 50 PSI	@ 3.4 bar
		0.35 gpm	1.3 lpm
Discharge Hose			
ID		1/2 in.	12.7 mm
Length		50 ft.	15.2 m

Model #	Description
976810	Timed Drain Maintainer Foam Sanitizing System

Includes

- Machined polypropylene foamer body
- Stainless steel mounting base
- Color-coded metering tips (20) and metering tip driver



LAFFERTY WET WELL / DRAIN MAINTAINER, powered entirely by city water pressure, provides a continuous drizzle/drip of chemical solution, accompanied by regular, adjustable, bursts of airless foam.

It is ideal for treating FOG cakes in Lift Stations or Wet Wells and can be used for sanitation, treating grease build-up or for odor control in any water flow, drain or lagoon.

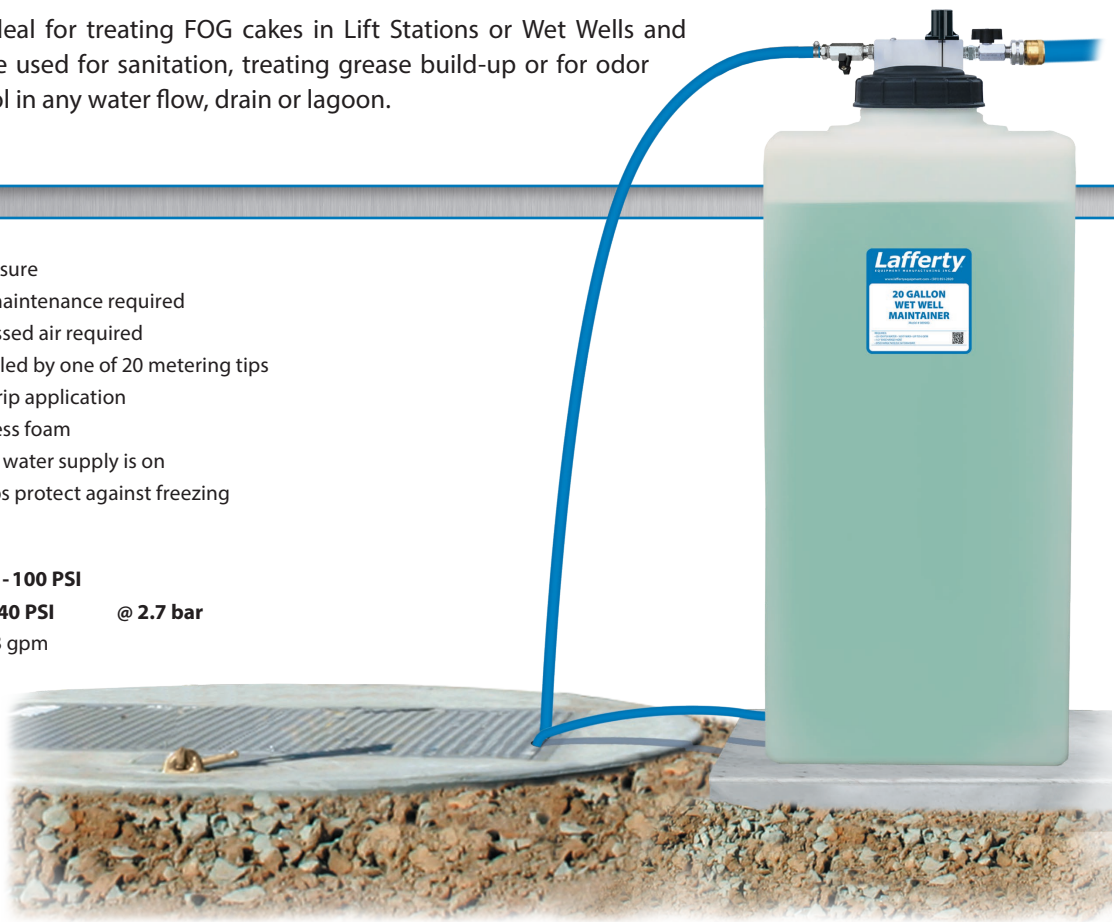
- Driven entirely by city water pressure
- Venturi technology — Minimal maintenance required
- No pumps, electricity or compressed air required
- Chemical to water ratio is controlled by one of 20 metering tips
- Continuous, adjustable drizzle/drip application
- Regular, adjustable bursts of airless foam
- Cycle repeats itself as long as the water supply is on
- Continuous fluid movement helps protect against freezing

REQUIREMENTS:

Water Pressure	35 - 100 PSI
Water Flow Rate	@ 40 PSI @ 2.7 bar
	12.5 lpm

Includes:

- Float valve
- 20-gallon tank
- Color-coded metering tips (20)
- Metering tip driver
- Hose assembly
- Application nozzle
- Airless foam applicator



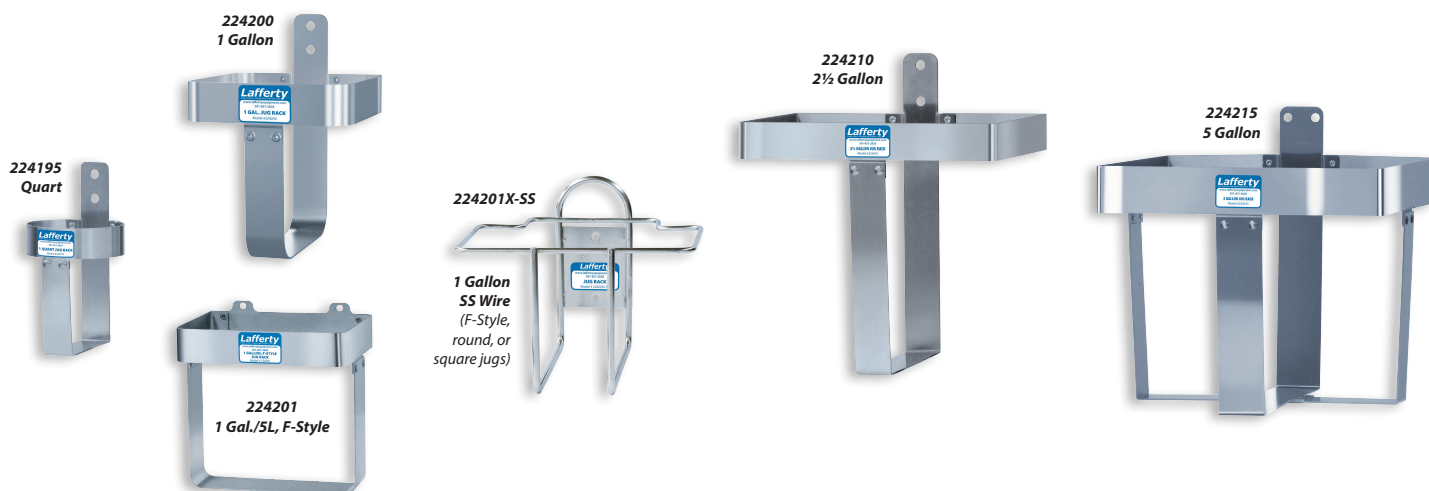
Model #	Description
989900	20 Gallon Wet Well / Drain Maintainer

ACCESSORIES

In addition to supplying parts for all Lafferty equipment, Lafferty offers a range of convenient accessories to complement its wide range of chemical application equipment.

Stainless steel jug racks and hose racks can be used with many products, while Drum Sticks and Tote Sticks offer a convenient way to draw chemical from bulk containers. A water pressure / flow test kit provides guidance for equipment selection and when troubleshooting.

STAINLESS STEEL JUG RACKS

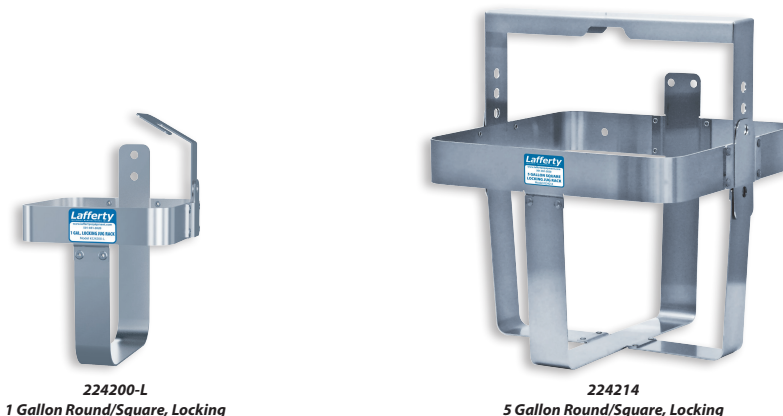


DIMENSIONS

Model #		Diameter or Width x Depth	
224195	Quart	3 7/8 in. ID	9.8 cm ID
224200	1 Gal. Round/Sq.	6 1/2 x 6 3/8 in.	16.5 x 16.2 cm
224200-L	1 Gal. Rnd./Sq., Locking	6 1/2 x 6 3/8 in.	16.5 x 16.2 cm
224201	1 Gal./5L R'tangle, F-Style	7 5/8 x 5 7/8 in.	19.4 x 14.9 cm
224201X-SS	1 Gal. Wire, Rnd./Sq./F	8 x 6 3/8 in.	22.9 x 22.9 cm
224210	2 1/2 Gal.	10 5/8 x 8 1/2 in.	27.0 x 21.6 cm
224214	5 Gal. Rnd./Sq., Locking	13 x 12 6/8 in.	33.0 x 32.4 cm
224215	5 Gal. Rnd./Sq.	13 x 12 6/8 in.	33.0 x 32.4 cm

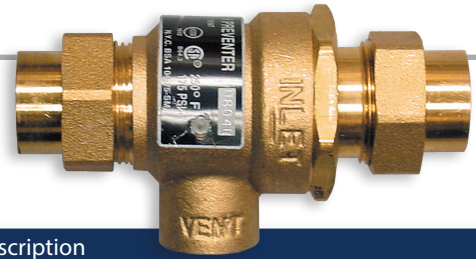
Model #	Description
224195	Jug Rack, SS, 1 Quart
224200	Jug Rack, SS, 1 Gallon Round/Square
224200-L	Jug Rack, SS, 1 Gallon Round/Square, Locking
224201	Jug Rack, SS, 1 Gallon/5 Litre Rectangular, F-Style
224201X-SS	Jug Rack, 1 Gallon SS Wire (Round/Square/F-Style)
224210	Jug Rack, SS, 2 1/2 Gallon
224214	Jug Rack, SS, 5 Gallon Round/Square, Locking
224215	Jug Rack, SS, 5 Gallon Round/Square

LOCKABLE



BACKFLOW PREVENTERS

- Designed for use on non-health-hazard, continuous pressure, point-of-use applications for protection against back siphonage and back pressure
- When installed upstream of a water-driven foamer or sprayer this part will prevent chemical solution and/or compressed air from backing up into the water source in the event of reverse suction (power failure, improper operation, failure to close inlet ball valves, etc.)
- Discharge vent can be plumbed to direct the discharge to an appropriate drainage area.
- May be mounted horizontally or vertically



Model #	Description
270298	1/2" (Watts 9DM2) Backflow Preventer
270299	3/4" (Watts 9DM3) Backflow Preventer

METERING TIP DRIVER

- Simply the best and easiest way to install or change metering tips across the entire Lafferty product lineup.



Model #	Description
443790	Metering Tip Driver

* One Metering Tip Driver is included in each pack of metering tips enclosed with new venturi applicator orders.

SAFE FLOW LIDS™ FOR 1 GALLON JUGS AND 5 GALLON PAILS

JUG LID WITH SUCTION TUBE:

- Machined polypropylene lid, threaded to fit 1 gallon jugs and the pull-up spout of many 5 gallon jugs
- Safe and Convenient — Prevents chemical splashing; Allows quick replacement of concentrate
- Incorporated barb attaches directly to suction tube of Lafferty Hose End Airless Sprayer or Foamer
- Includes attached suction tube



Model #	Description
709101	Safe Flow Lids™ for 1 Gallon Jugs and 5 Gallon Pails

LAFFERTY CATALOG SERIES

• Food & Beverage Processing • Pharmaceutical • Agriculture • General Industrial Applications



1 • Venturi Systems – City Water Pressure

2 • Venturi Systems – Boosted Pressure

3 • Venturi Systems – High Pressure

4 • Compressed Air Operated Systems

5 • Pump Fed Sanitizers, Foamers & Hose Drop Stations

6 • Entryway, Drain & Hand Sanitizing Systems

7 • Foggers and Fogging Systems

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