

# Lafferty Equipment Manufacturing, LLC Installation & Operation Instructions

Model # 919158 · Pump Fed Sanitizer W/ SS Trigger Gun

## REQUIREMENTS

### Ready-to-Use Chemical Solution

Temperature	up to 160°F
Pressure	35 to 125 PSI
Flow	1.7 GPM @ 40 PSI
Supply Line	1/2"
Hose	1/2" ID x 50'
Nozzle	2520

## OPTIONS

<b>Stainless Steel Hose Racks</b>	
Large Stainless Steel Hose Rack	# 224150
<b>Strainer</b>	
Strainer, "Y", SS, 1/2" MF	# 150350-1



(Trigger Gun not to scale with sanitizer unit.)



[www.laffertyequipment.com](http://www.laffertyequipment.com)

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**WARNING! READ ALL  
INSTRUCTIONS BEFORE  
USING EQUIPMENT!**



## OVERVIEW

The Pump Fed Sanitizer with SS Trigger Gun is a spray applicator for applying chemical solutions, such as sanitizers in food processing facilities, to a variety of surfaces at 1.7 GPM @ 40 PSI. This unit receives ready-to-use chemical solution from a central chemical feed system and projects it through the hose, trigger gun, wand and fan nozzle. Alternate flow rates are available upon request.

### SAFETY & OPERATIONAL PRECAUTIONS

- For proper performance do NOT modify, substitute nozzle, hose diameter or length.
- Manufacturer assumes no liability for the use or misuse of this unit.
- Wear protective clothing, gloves and eye-wear when working with chemicals.
- Always direct the discharge away from people and electrical devices.
- Follow the chemical manufacturer's safe handling instructions.
- Turn off solution supply when unit is not in use for extended periods.

### TO INSTALL (REFER TO DIAGRAM ON NEXT PAGE)

1. Mount the unit to a suitable surface.
2. Connect the discharge hose as shown in the diagram and close the ball valve.
3. To prevent blocking the small jets flush any new plumbing of debris before connecting. And/or install a strainer. (see options)
4. Connect pre-mixed solution supply line.

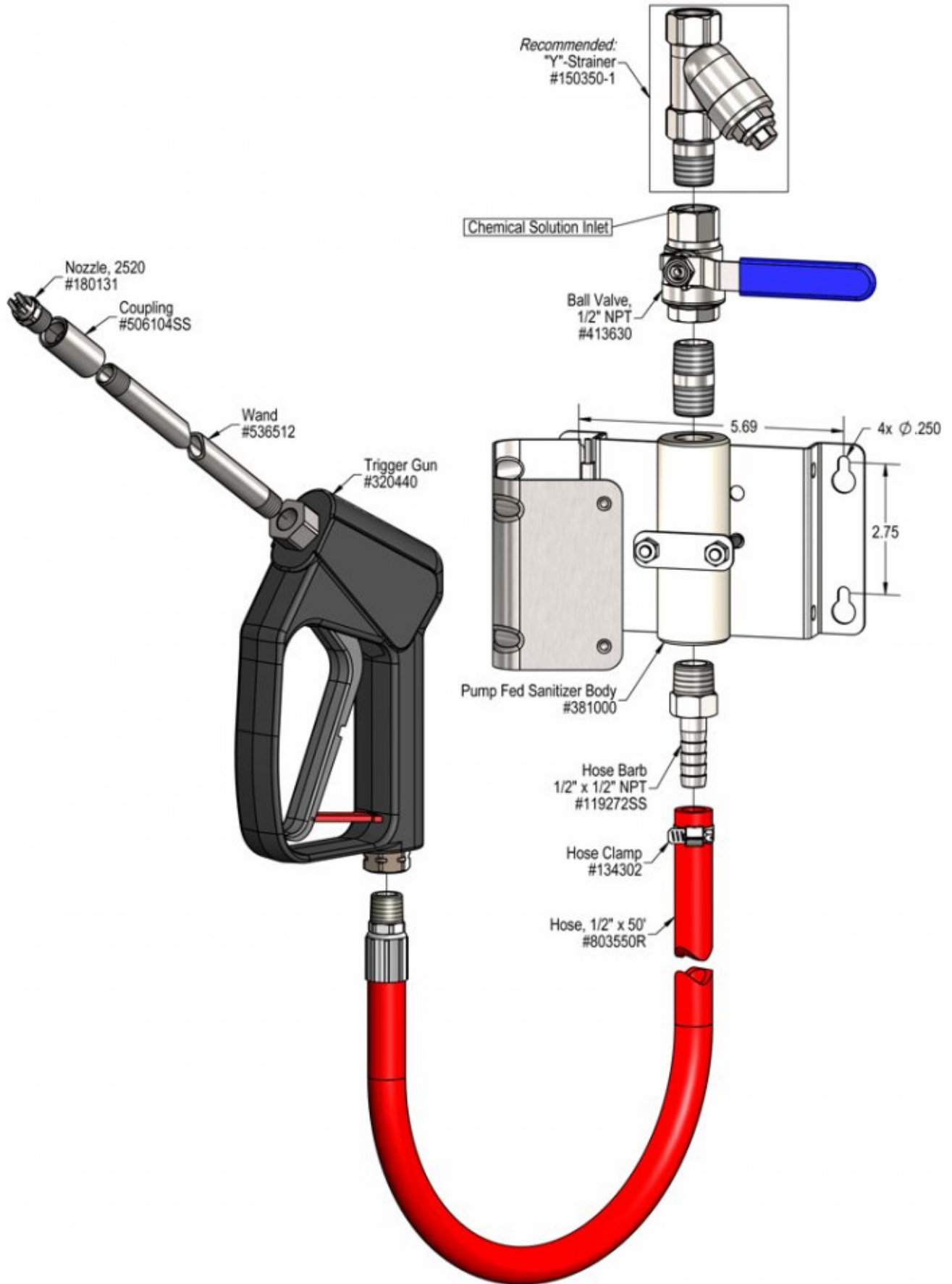
### TO OPERATE

**Always make sure the discharge is closed or pointed in a safe direction before turning inlet valve on. Discharge can be shut off at any time during operation but should not be left off for long periods of time with the inlet valve on.**

1. With discharge trigger gun in hand open the inlet ball valve. Then pull the trigger to begin application.
2. When sanitizing is completed, release the trigger then close the inlet ball valve.
3. Briefly squeeze the trigger to relieve pressure in hose. If applicable rinse the work surface before solution dries.

### UNIT FLOW RATES

PSI	GPM
35	1.59
40	1.70
50	1.90
60	2.08
70	2.25
80	2.40
90	2.55
100	2.69
110	2.82
120	2.94
125	3.01



## Troubleshooting Guide

Problem	Possible Cause / Solution	
	Startup	Maintenance
A) Weak pressure or will not spray	1, 2, 3, 4	5, 6

Possible Cause / Solution	
Startup	Maintenance
<ul style="list-style-type: none"> <li><b>1. Inlet or discharge not completely open</b> <ul style="list-style-type: none"> <li>◦ Completely open ball valves (or trigger gun) during operation</li> </ul> </li> <li><b>2. Solution pressure or volume too low/inlet piping too small.</b> <ul style="list-style-type: none"> <li>◦ Increase solution pressure or volume.</li> </ul> </li> <li><b>3. Discharge hose too long for available solution pressure, kinked or wrong size</b> <ul style="list-style-type: none"> <li>◦ Straighten the hose or replace hose.</li> </ul> </li> <li><b>4. Nozzle size too small (SEE REQUIREMENTS)</b></li> </ul>	<ul style="list-style-type: none"> <li><b>5. Inlet orifice clogged</b> <ul style="list-style-type: none"> <li>◦ Check/clean inlet orifice for obstructions.</li> </ul> </li> <li><b>6. Hard water scale or chemical build-up may have formed in the body causing poor or no flow</b> <ul style="list-style-type: none"> <li>◦ Follow Preventive Maintenance instructions below, using hot water and/or de-scaling acid. When there is no flow at all, carefully remove fittings and soak entire body in de-scaling acid.</li> </ul> </li> </ul>

**PREVENTIVE MAINTENANCE:** When the unit will be out of service for extended periods, run water through the system to flush the chemical and help prevent chemical build-up.

