Lafferty Equipment Manufacturing, LLC
Installation & Operation Instructions

Model # 927105-TD · Timed PD Electric Asphalt Release Sprayer

REQUIREMENTS

Ready-to-Use Chemical Solution	
Temperature	up to 160°F
Hose	1/2" ID x 25'
Nozzle	2515
Electric	120V

OPTIONS

Stainless Steel Hose Racks	
Small Stainless Steel Hose Rack	# 224145



Lafferty EQUIPMENT MANUFACTURING LLC

CFS TECHNOLOGIES

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WARNING! READ ALL INSTRUCTIONS BEFORE USING EQUIPMENT!

OVERVIEW

The Timed PD Electric Asphalt Release Sprayer is a spray applicator for projecting pre-diluted or neat chemical solutions at 1.5 GPM. An electric pump draws solution from a static container and provides the pressure to spray the solution into the bed of a truck or on tools to prevent asphalt from sticking. This unit comes complete with timers and is push button activated. An adjustable timer controls the length of application and a delay timer keeps the driver from immediately restarting the system, preventing costly over-application.

SAFETY & OPERATIONAL PRECAUTIONS

- **See Additional Safety Precautions included with the Electrical Control Box Installation Information**
- **Always consider electrical shock hazard when working with and handling electrical equipment. If uncertain, consult an Electrician. Electrical wiring should only be done by a qualified Electrician, per Local and State Electrical Codes**.
- 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.
- NEVER mix chemicals without first consulting chemical manufacturer.
- Operate the electric pump according to the limitations specified on the data label.
- Do not use with flammable or hazardous fluids not compatible with Santoprene.

TO INSTALL (REFER TO DIAGRAM ON NEXT PAGE)

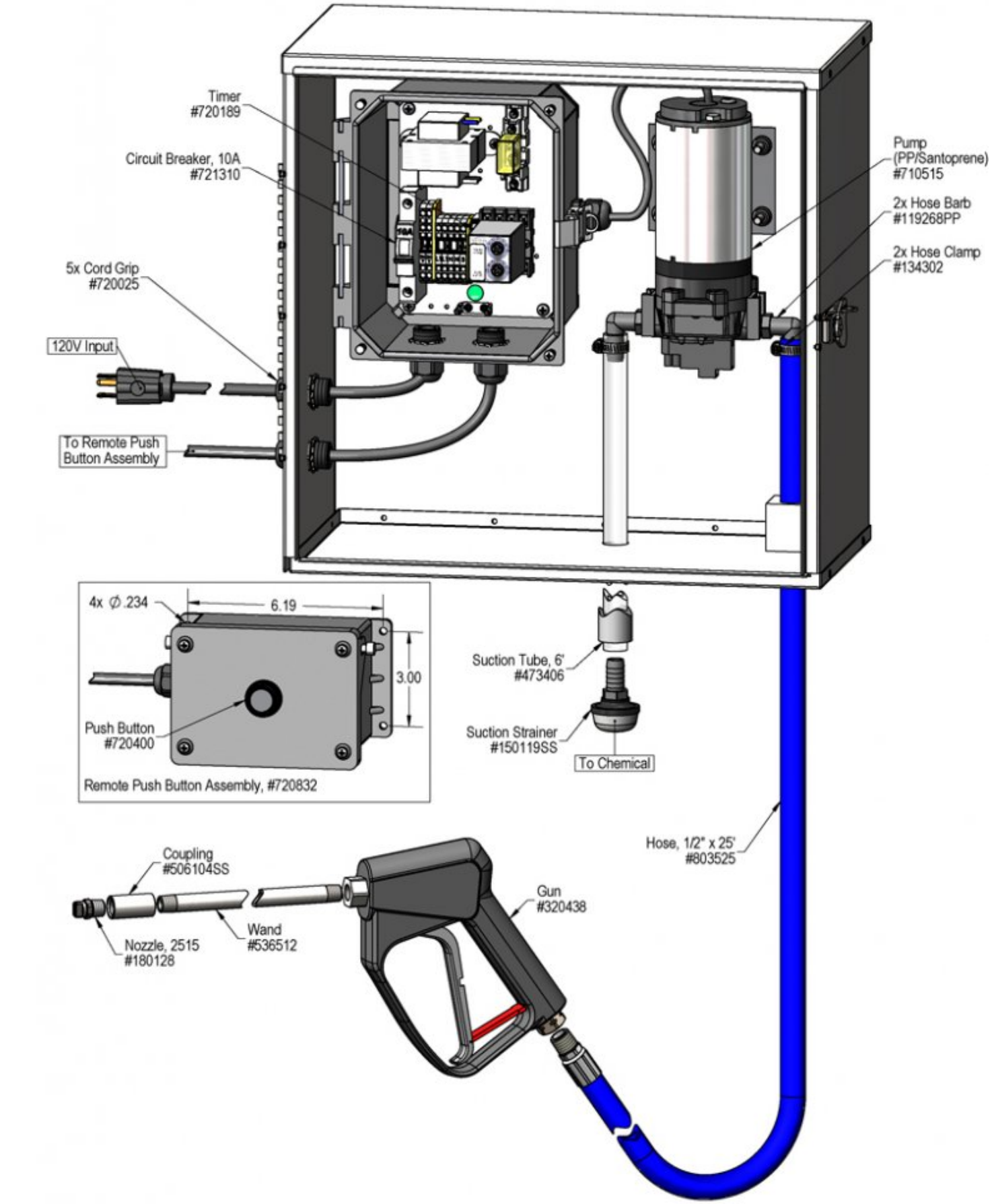
1. Do NOT connect to electricity yet.
2. Mount the unit to a suitable surface above the chemical solution supply to prevent siphoning.
3. Connect the discharge hose as shown in the diagram.
4. Insert chemical solution suction tube into a container of ready-to-use chemical
5. Mount the push button activation control box.

SETTING THE TIMER

1. Make sure the system is not plugged in to a power source. Remove control box cover. The box contains one timer with "Run & Delay" adjustment knobs.
   Run: This mode allows you to set the length of time you want the unit to run each time the operator presses the remote button. Turn the knob to set the run time (0-6 Minutes).
   Delay: This mode allows you to set the length of time you want the unit to to be inactive after each application. Turn the knob to set the delay time (0-6 Minutes).
2. Replace the control box cover.
3. Plug the power cord into a 120 VAC power outlet. GFI recommended.
4. Turn on your air and/or water supply (if applicable).
5. Push the remote button to activate the timer and make any last adjustments needed.
6. The unit is ready for operation. The run mode will activate the unit for the preset run time, turn off, and will not reactivate until the time runs out on the delay mode. Then the unit will reset.

TO OPERATE

1. With the trigger gun in hand push the remote button.
2. Pull the trigger on the trigger gun to begin application.
3. The run timer will activate the unit for the preset run time and then turn the unit off. The delay timer will prevent the unit from activating until the preset delay time runs out, then the button will reset.


Timer
#720189
Circuit Breaker, 10A
#721310
5x Cord Grip
#720025
120V Input
To Remote Push
Button Assembly
Pump
(PP/Santoprene)
#710515
2x Hose Barb
#119268PP
2x Hose Clamp
#134302
4x ∅.234
6.19
3.00
Push Button
#720400
Remote Push Button Assembly, #720832
Suction Tube, 6'
#473406
Suction Strainer
#150119SS
To Chemical
Hose, 1/2" x 25'
#803525
Coupling
#506104SS
Nozzle, 2515
#180128
Wand
#536512
Gun
#320438

Troubleshooting Guide

Problem	Possible Cause / Solution	
	Startup	Maintenance
A) Unit will not pump solution	1,2,3	6,7,8,9
D) Will not draw chemical	1,2,3	6,7,8,9
E) Unit doesn't come on when when button is pushed.	4,5	6,7,8,9

Possible Cause / Solution

Startup

1. **Power not on or trigger gun not completely open**
   - Completely open trigger gun.
   - Electric problems, ensure unit is plugged in (GFI recommended)
2. **Chemical tube not immersed in chemical solution or chemical depleted**
   - Immerse tube or replenish.
3. **Discharge hose kinked**
   - Straighten the hose.
4. **Timer failed/Controller not set properly or malfunctioned (if equipped with timer)**
   - Replace timer.
   - See Controller manual.
5. **May have electrical problems**
   - Ensure circuit breaker has not been tripped.
   - Have a qualified electrician check electrical connections.

Maintenance

6. **Chemical strainer**
   - Clean or replace chemical strainer
7. **Chemical tube stretched out or pin hole/cut in chemical tube**
   - Cut off end of tube or replace tube.
8. **Vacuum leak in chemical pick-up connections**
   - Tighten the connection.
9. **May have pump problems**
   - Refer to pump manual.

PREVENTIVE MAINTENANCE: When the unit will be out of service for extended periods, place chemical tube(s) in water and flush the chemical out of the unit to help prevent chemical from drying out and causing build-up. Periodically check and clean chemical strainer and replace if missing.