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# USER MANUAL

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MODEL:

**SLX-PS**

**PUMP FED SANITIZER - SINGLE STATION**

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*English (Original Instructions)*

*Updated: 02/23/22*





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## General Precautions

- For proper performance **do not** substitute nozzle or alter the diameter or length of the included hose.
- **Never** point the spray wand at another individual or electrical devices. Always direct the discharge away.
- For pressures over 100 PSI, remove the discharge valve or lower pressure.
- **Never** leave supply inlet ball valve on when unit is not in use.
- **Never** mix chemicals without consulting the chemical manufacturer first.
- Manufacturer assumes no liability for the use or misuse of this unit or chemical compatibility.
- Specifications and parts are subject to change without notice.



## Safety Warning



- All personnel servicing this unit must be familiar with the information contained in this manual. Follow all installation and maintenance instructions.
- Follow safety instructions of chemical manufacturer (SDS).
- Wear proper PPE when working with chemicals (gloves, safety glasses, face shield, etc.)
- Always follow plant and OSHA guidelines.
- Avoid contact of chemicals with skin and eyes. If contact occurs, see SDS sheet for further first aid measures.
- Follow all local codes for backflow prevention when connecting to a potable water supply.
- **WARNING: Severe damage to your facility, or contamination of your water supply, can occur without proper backflow prevention.**

## PROTECT THE ENVIRONMENT

Please dispose of packaging materials, old machine components, and hazardous fluids in an environmentally safe way according to local waste disposal regulations.



Always remember to recycle.

# USER MANUAL: SLX-PS

READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT



## Overview

The SLX wall mounted pump driven sanitizer is a low to medium volume centralized spray system that works with a variety of pumps to spray pre-diluted chemistry and detergents at a range of flow rates. The unit features a split body design for easy servicing and maintenance.

The included instructions apply to both polypropylene and stainless steel Pump Fed Sanitizers regardless of insert size. Model specific specifications will be identified as necessary.

## Requirements

- Pump Pressure: 35 - 125 PSI
- Max Temperature: 160°F
- Chemical compatibility: Chemical products used with this equipment must be formulated for this type of application and compatible with unit materials (see specifications).

**NOTE:** For more information on chemical compatibility consult the chemical manufacturer.

## Specifications

- Materials of Construction:
  - Body: Polypropylene or Stainless Steel (dependent on model)
  - Enclosure: 304SS
  - Wetted Parts: PVC, Polypropylene, AFLAS, and Stainless Steel
- Weight:
  - System with enclosure: 5 - 5.6 lbs.
  - Hose Assembly: 8 lbs.
  - Spray wand: 1.3 - 1.75 lbs.
- Dimensions: 8" x 11<sup>5</sup>/<sub>8</sub>" x 5<sup>7</sup>/<sub>8</sub>"

**NOTE:** Weights will vary depending on material.

Insert #	Spray Flow Rate (GPM)	Water Flow Rate (GPM)	Hose Size (OD x L)	Spray Nozzle
P21	10.5 - 21	2.1	1/2" x 50'	2520

*Flow rates and coverage time may vary depending on pump pressure and chemical viscosity. Always test prior to normal operation to ensure facility requirements are met for cleaning procedures.*



## More Information

Please contact Clean Logix at:

**(616)-438-9200 or [sales@clean-logix.com](mailto:sales@clean-logix.com)**

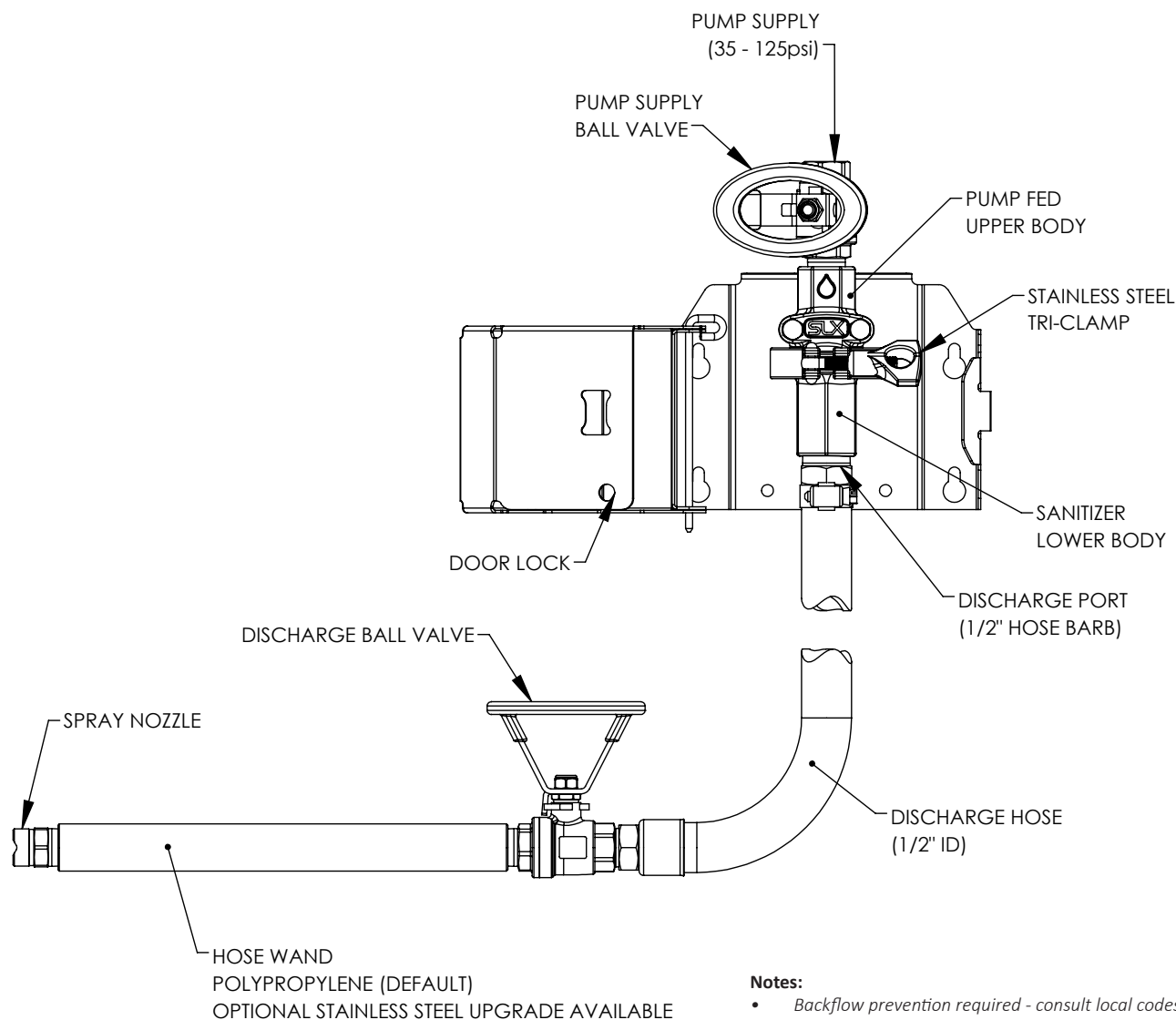
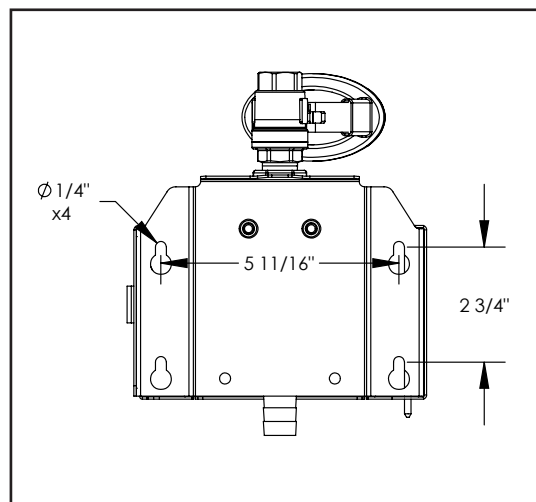
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## Installation

1. Mount the enclosure to the wall.
2. Flush water supply line to ensure it is flowing properly and free of debris.
3. Connect pump to supply inlet (1/2" NPT)
4. Connect discharge hose and spray wand to the bottom hose barb and secure with hose clamp.



### Notes:

- Backflow prevention required - consult local codes.
- System may vary depending on model and optional upgrades.

## Operation

### Initial Use

When operating the sanitizer for the first time some alterations may need to be made to produce the desired spray quality and ensure the unit is functioning as intended.

1. Ensure unit is properly connected and the pump supply valve is closed [Fig. 5.1]
2. Take hold of the spray wand.
3. Open ball valve on spray wand [Fig. 5.2]
4. Fully open pump supply valve.
  - The spray wand will slowly begin discharging water until pressure is established.

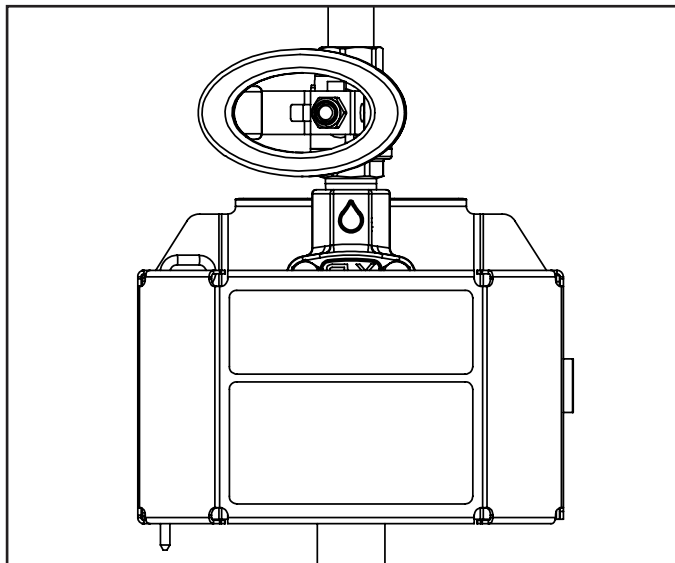


Fig. 5.1: Water supply ball valves closed.

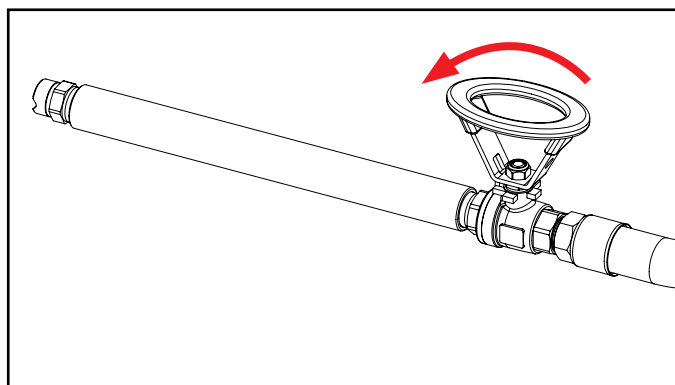


Fig. 5.2: Spray wand with open valve.

## Operation (cont.)

### Normal Use

1. Ensure unit is properly connected and the pump supply valve is closed [Fig.6.1]
2. Take hold of the spray wand.
3. Open ball valve on spray wand
4. Fully open supply valve.
  - The spray wand will slowly begin discharging water.
5. Apply sanitizer from top to bottom.
6. Turn spray wand ball valve off to temporarily stop spraying.



### WARNING

Spray wand ball valve should only be turned off momentarily when under pressure. There may be kick-back/recoil when re-opening.

7. When complete, turn off pump supply line.
8. Open spray wand ball valve and let pressure exhaust completely.
9. Rinse hose.
10. Store hose depressurized, with the ball valve open, and coiled properly coiled to prevent kinks or damage.

## General Use

### Removing Insert

1. Ensure supply line is off and system is depressurized.



### WARNING

Depressurize system prior to servicing! Always wear appropriate personal protective equipment (PPE) when handling chemical per SDS recommendations.

2. Open the enclosure door.
3. Loosen the tri-clamp fitting to disconnect the upper pump fed body and lower sanitizer body.

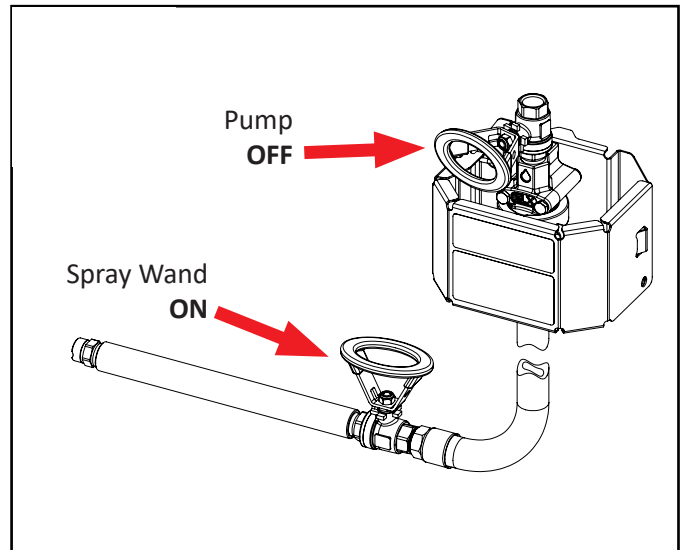


Fig. 6.1: Ball valve positions for start up

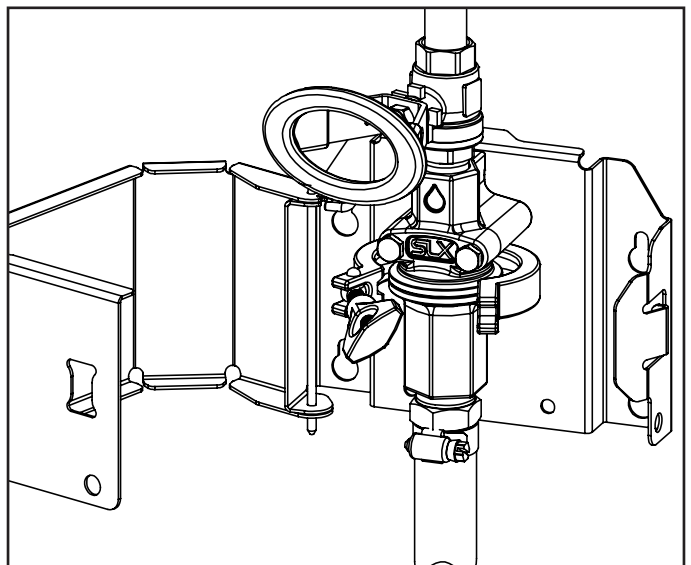


Fig. 6.2: Tri-clamp open

## General Use (cont.)

### Removing Insert (cont.)

4. Pull the lower sanitizer body down, away from the upper pump fed section.
  - **For Polypropylene Models:** Twist the lower sanitizer body and align the winglets to release it from the support bracket. [Fig 7.1]

**NOTE:** Supply line and discharge hose can remain connected during this process. Ensure there is adequate hose/tubing length for maneuverability.



### WARNING

An o-ring is positioned between the upper and lower bodies. Ensure it is not lost during servicing.

5. With the bottom half removed the insert can be accessed; pull straight down to remove.
  - Force may be required due to o-rings and/or chemical build-up.
  - A screwdriver can be used to pry the insert out if necessary [Fig. 7.2]
6. The insert can be cleaned using warm water or descaling acid compatible with PVC.
7. Replace insert with clean or new version by sliding it back into the upper pump fed body, o-ring section first.
8. Reconnect the lower sanitizer body to the upper pump fed section.



### WARNING

Ensure o-ring is positioned between the upper and lower bodies and is seated properly. Failure to do so may result in leaks or improper performance.

9. Place the tri-clamp around the lip where the two halves meet, tighten in place until secure.
10. Ensure all connection points are secure.
11. Close enclosure door and lock if necessary.
12. Follow initial setup procedures to test insert and spray quality before resuming normal operation.

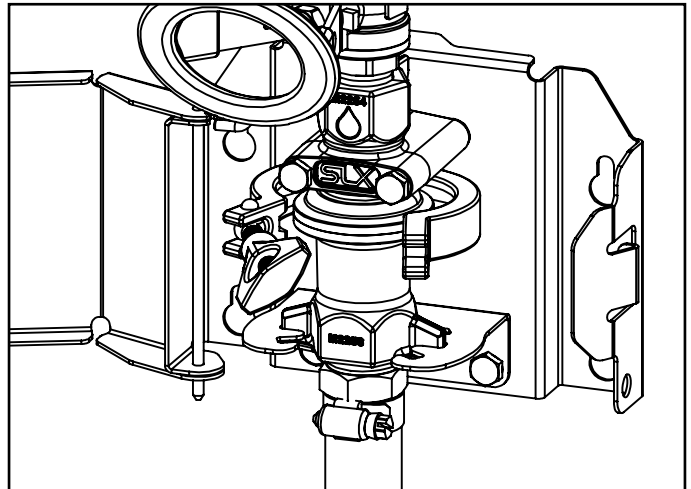


Fig. 7.1: Polypropylene lower support bracket

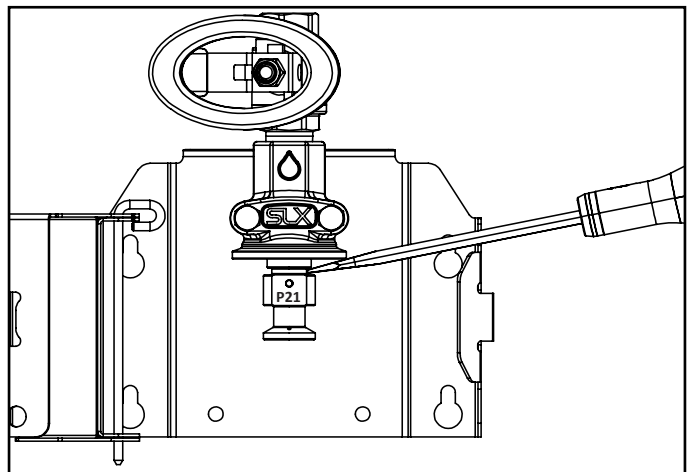


Fig. 7.2: Insert removal using screwdriver

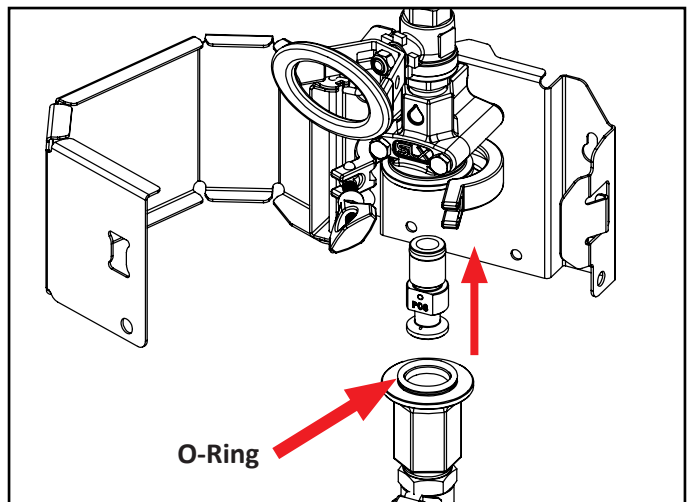


Fig. 7.3: Replacing insert

## Maintenance

The following maintenance procedures are recommended for normal use. Units which see a high amount of use should be inspected more frequently.

### **WARNING**

Depressurize system prior to servicing! Always wear appropriate personal protective equipment (PPE) when handling chemical per SDS recommendations.

#### Daily:

- Check condition of hose (damage or leaks)
  - Replace as necessary.
- Verify ball valve is operating properly.
  - Replace as necessary.

#### Weekly:

- Ensure tri-clamp is secure and bodies are sealed
  - Verify o-ring is seated properly and is not damaged. Replace as necessary.
  - Check that tri-clamp is seated properly and tighten till secure.

#### Monthly

- Check flow restriction insert for clogs and debris.
  - Remove and inspect - if clogged or scale has built up clean with water or de-scaling acid compatible with PVC.
- Check o-rings on inserts and check valves.
  - Remove and replace as necessary.
  - O-rings can be purchased individually or pre-installed as complete check valve or insert assemblies.

#### Annually

- Replace discharge hose (and wand if necessary)
- Replace insert



### More Information

Please contact Clean Logix at:

**(616)-438-9200** or **[sales@clean-logix.com](mailto:sales@clean-logix.com)**





## Troubleshooting

### Unit will not spray

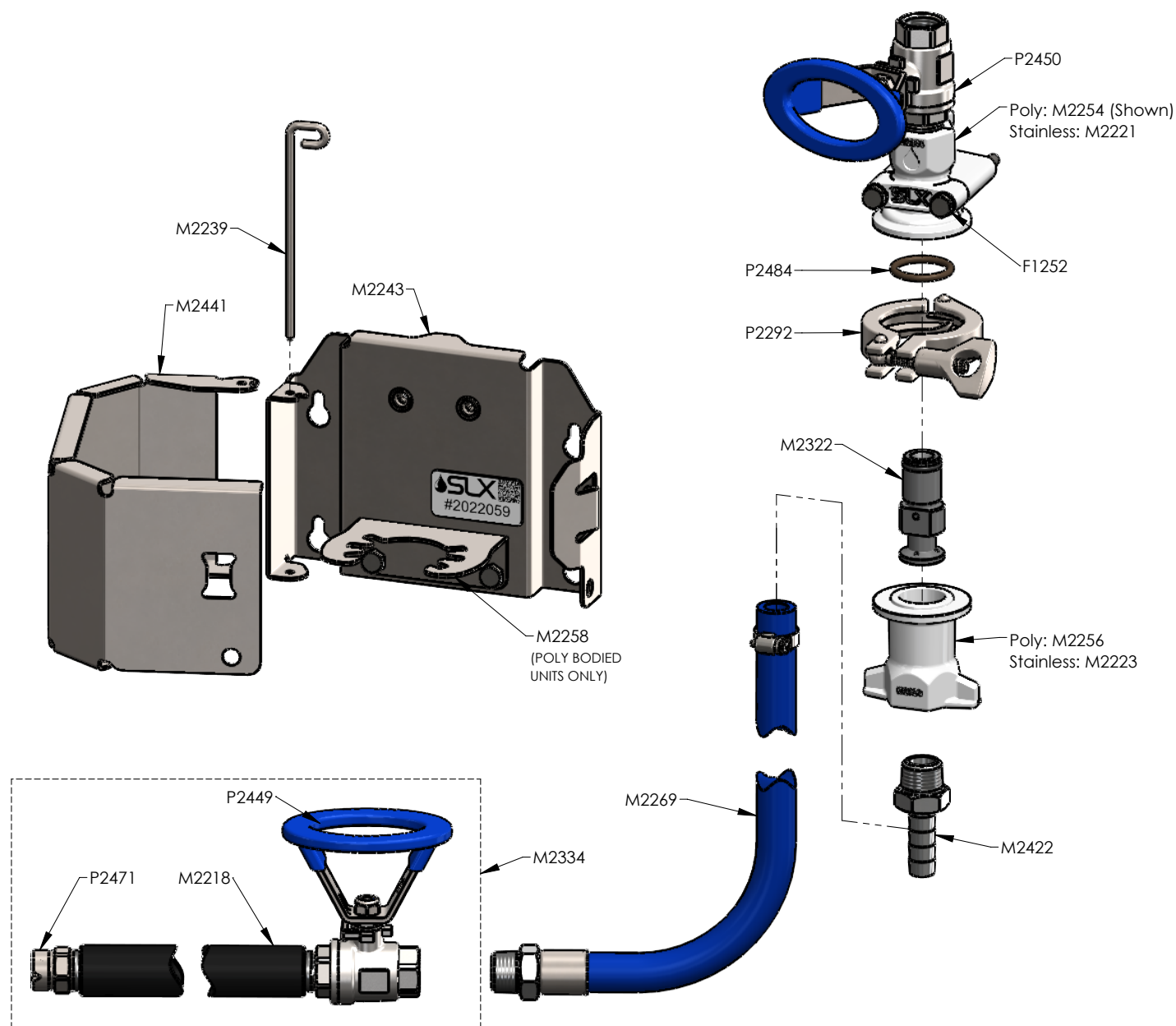
	Cause	Solution
Start-up	Improper pump pressure	Check pump and/or air settings (35-125 PSI)
	Inlet or discharge ball valve is not completely open	Completely open the ball valves.
	Chemical supply is empty or suction line is not fully submerged	Immerse suction line or replenish supply.
	Discharge hose too long or wrong size or kinked	Straighten the hose or replace hose with correct size and length (see system specifications based on insert size)
	Nozzle size too small	Replace nozzle with correct size (see system specifications based on insert size)
Extended Use	Flow restriction insert is clogged	Open sanitizer body and check for debris or obstructions. Clean as necessary with water or air.
	Chemical supply is empty or suction line is not fully submerged	Immerse suction line or replenish supply.
	Improper pump pressure	Check pump and/or air settings (35-125 PSI)
	Hard water scale or chemical build-up may have formed in the sanitizer body blocking the fluid path.	Open sanitizer body and check for build-up. Remove and clean with water or descaling acid (insert is PVC). Replace as necessary.

For Technical Support:



## Parts Call-Out

Parts will vary depending on body material. Review the parts list and following diagrams for the different types to identify replacement parts for your specific system.



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READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT



## Parts Call-Out

PART NUMBER	DESCRIPTION
F1105	BOLT HHC 1/4-20 X 1/2 SS
F1128	WASHER SPLIT LOCK 1/4 SS
F1212	NUT NYLOCK 1/4-20 316SS
F1252	BOLT HHC 1/4-20 X 3, 316SS
M2218	SLX WAND 1/2"FNPT X 1/2" FNPT X 10" BLACK PP
M2221	SLX UPPER BODY, TYPE-P, SS
M2223	SLX LOWER BODY, TYPE-S, SS
M2239	SLX HINGE PIN V2.1
M2243	SLX CLAMSHELL BACKPLATE SIZE 1
M2254	SLX UPPER BODY, TYPE-P, PP
M2256	SLX LOWER BODY, TYPE-S, PP
M2269	HOSE ASSEMBLY, 1/2" X 50', PVC, BLUE, 1/2" MNPT ONE END
M2322	SLX INSERT ASSEMBLY, P21, W/ AFLAS SEALS
M2334	SLX WAND ASSEMBLY, 1/2" BALL VALVE, 2520 NOZZLE, 10" PP WAND
M2422	PIPE ADAPTER HOSE BARB 1/2 X 1/2 SS
M2441	SLX CLAMSHELL DOOR REPLACEMENT ASSEMBLY - SINGLE
P1293	HOSE CLAMP WORM GEAR SS - UP TO 1/2" HOSE
P2292	SANITARY FLANGE CLAMP, 1.0-1.5, 304
P2449	VALVE, BALL, MANUAL, 3/4" NPT FEMALE X 3/4" NPT MALE, 316SS BODY, PTFE SEAT, 1000 PSI
P2450	VALVE, BALL, MANUAL, 1/2" NPT FEMALE X 1/2" NPT MALE, 316SS BODY, PTFE SEAT, 1000 PSI
P2471	NOZZLE, AXIAL FAN SPRAY, 1/2 NPT, 304SS, 80 DEG, 15 GPM @ 40 PSI, 80150
P2484	O-RING, SLX BODY, VITON, BROWN

Purchase Replacement Parts:



### More Information

Please contact Clean Logix at:

**(616)-438-9200** or **[sales@clean-logix.com](mailto:sales@clean-logix.com)**