



USER MANUAL

Hand Sanitizer Dispensers on Fortress Stand

Original Issue: August 4, 2020

© 2020 - The information contained within is the intellectual property of GP Reeves Inc. and may not be reproduced, copied or disseminated without express written consent of GP Reeves Inc.

TABLE OF CONTENTS

- 2 Table of Contents**
- 3 Safety**
 - 3 Energy Source Hazards
 - 3 Fire and Explosion Hazards
 - 3 Operator Exposure Hazards
 - 3 Misuse of Equipment
- 4 General Description**
- 5 Set-Up and Installation**
 - 5 Select Equipment/System Location
 - 5 System Requirements – (Customer-Provided)
 - 5 Set-Up
 - 5 Installation of Sanitizer Supply Container
- 7 Maintenance and Repair**
 - 7 Inspections
- 7 Recommended Spare Parts**
- 8 Troubleshooting**
- 9 Contact Us**
- 9 Revisions**

SAFETY

Upon applying the customer-supplied electrical energy source, and during operation, this equipment poses several safety hazards. Operators should exercise caution and be aware of the following hazards that may be present.



Energy Source Hazards

- **Electrical:** Electrical shock hazard is present with the 12 volt DC battery packs installed or power supply plugged into a wall outlet. ALWAYS remove the battery pack or unplug power supply cord BEFORE replacing the sanitizer supply!
- **Open Flame:** Do not use this equipment or store the sanitizer supply container next to an open flame. The sanitizer poses an explosion risk due to explosive vapors!
- **Static Electricity:** Minimize the occurrence of static electrical charges around this equipment that could ignite/spark the explosive vapors!

Fire and Explosion Hazards

- Improper grounding, poor ventilation, open flames or sparks can cause a hazardous condition and result in a fire or explosion and serious injury. Know the specific hazards of the fluid your are using.
- Ground the equipment properly. Refer to pertinent OSHA or similarly applicable grounding procedures.
- Do NOT smoke in the operation area. If there is any static sparking or if you feel an electric shock, unplug the equipment immediately.
- Do NOT use the equipment until you identify and correct the problem.
- Ensure adequate ventilation to avoid the buildup of flammable fumes from the sanitizer being used.
- Keep the area free of debris, including solvent, rags, and gasoline.

Operator Exposure Hazards

- Gel or liquid splashed in the eyes can cause injury. If gel or liquid is introduced into the eye, flush eyes immediately with generous amounts of water using an eye wash station or suitable equivalent.
- If inhaled, take person away from area immediately into fresh air source.
- If exposed to skin for extended timeframe, wash exposed area with warm soapy water!
- Wear eye protection and other pertinent PPE when operating this equipment.

Misuse of Equipment

Equipment misuse can cause equipment malfunction and may replacement of the dispenser.

- Read all labels on equipment before operating.
- Use this equipment only for its intended purpose. If you are not sure of proper operation, contact GP Reeves for more information.
- Do not alter or modify the equipment. Use only genuine approved parts and accessories.

GENERAL DESCRIPTION

The electric hand sanitizer dispensers include a touchless, motion activated sensor. Sanitizer dispense default amount is approximately 0.4 ml per cycle and is accomplished via the use of a 4 or 6 ampere rechargeable battery pack or 120VAC power supply (provided).

The HSS-SP3-[Color Code]-1GAL-1PP-BP dispensers use a removable Milwaukee M12 lithium-ion compatible 12VDC (4 or 6 amperes) battery pack. Battery packs and chargers are available for purchase at <https://store.gpreeves.com/products/batteries>.

The HSS-SP3-[Color Code]-1GAL-1PP dispensers come with the required 12VDC power supply and require a standard 120VAC (60Hz) outlet.



Dispenser Shown Mounted on Fortress™ Stand

SET-UP AND INSTALLATION

Select Equipment/System Location



The dispenser(s) with mount stand and the installed supply container should be located away from any electrostatic source and/or source of open flame due to the explosive nature of the sanitizer being dispensed. In addition, the sanitizer supply container should be kept away from any sources of open flame and temperatures above 100°F (37.77° C).

System Requirements – (Customer-Provided)

If using customer-supplied sanitizer, an ample supply to fill the container size is recommended.

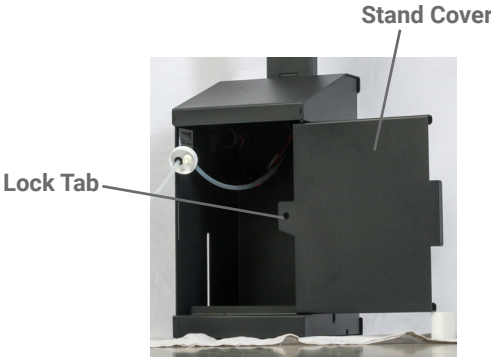
Set-Up

NOTE: If using sanitizer other than the GP Reeves purchased sanitizer, sanitizer dispense may be affected in both the sanitizer travel distance and the consistency of the dispensed volume.

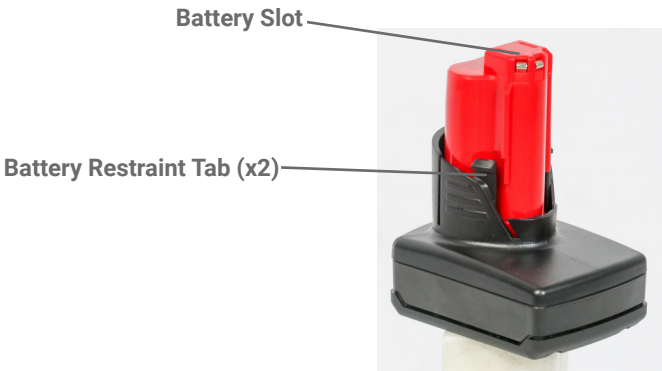
Installation of Sanitizer Supply Container

NOTE: Only qualified personnel should perform the installation steps listed below.

- A. Slide the stand cover to the right to allow access to the sanitizer supply container. Note: It is not necessary to remove the stand cover; the cover should be slid only until the screw stop on the cover makes contact with the stand.



- B. Press in on both tabs on the side of the battery pack and pull the battery pack from the battery holder.



SET-UP AND INSTALLATION-CONT.

Installation of Sanitizer Supply Container-cont.

- C. Remove the existing cap from the sanitizer container.
- D. Place the container pickup tube with the installed check valve into the container and replace the container cap. Make sure that the arrow imprinted on the side of the check valve (See Figure 1) points away from the sanitizer container. To prevent backflow and possible leaking at the container pickup point, do **NOT operate the system without the check valve installed!**

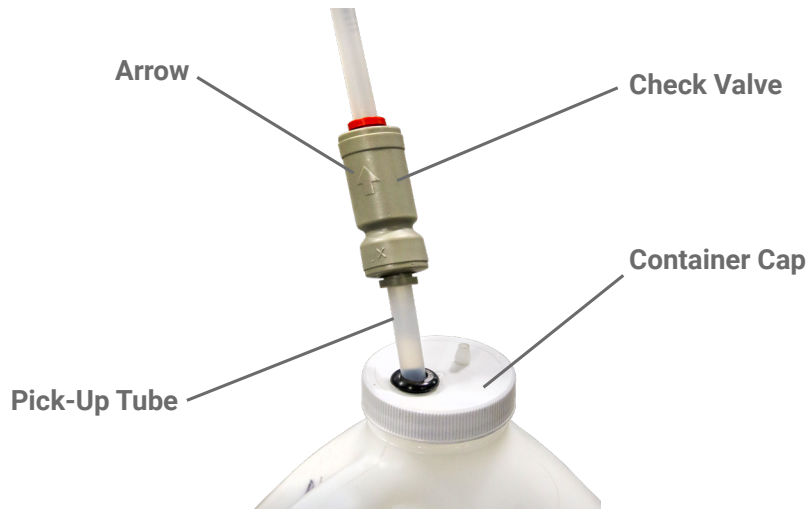


Figure 1

- E. Place the sanitizer supply container within the container holding area.

- F. With the dispenser system secure in place and the supply container connected;
- A. (Plug-In Style): Insert the wall power supply cord into a standard outlet (120VAC, 60 Hz) and connect to the dispenser (See Figure 2).



Figure 2

- B. (Battery Style): If not already connected, insert the provided battery power supply plug into the dispenser plug. Insert a charged M12 battery pack into the battery holder.

NOTE: Some models may have slots on the battery holder to retain clips on the battery. If present, squeeze the clips at the same time and pull battery to remove.

- G. Slide the stand cover to the left while aligning the lock tab into the slot on stand frame. Install customer-provided lock (optional).
- H. Place hands beneath the photo eye sensor to initiate a dispense. Continue to initiate dispensing until the fluid lines are all fully primed (filled with sanitizer) and one receives a consistent, steady stream of sanitizer.

MAINTENANCE AND REPAIR

Inspections

Table 1 lists the recommended items/area to be inspected at the listed interval.



DANGER: Unplug power supply cord BEFORE disconnecting components/fittings on this equipment!

Table 1. Inspection Items

Item	Action
Drip Tray	DAILY – Remove battery pack OR unplug unit before cleaning. Clean drip tray DAILY or WEEKLY depending on usage!
Photo Eye Sensor	MONTHLY – Remove battery pack OR unplug unit before cleaning. Clean exterior area of photo eye to prevent obstruction of detection area. Perform more frequently based on environment location. Use warm water and mild soap to clean; do NOT use abrasive cleanser!
Fittings/Tubing	MONTHLY – Unplug unit. Check fittings for security. Tighten as needed. Visually inspect supply tubing for damage/wear. Replace tubing as needed.

RECOMMENDED SPARE PARTS

Table 2 lists the recommended spare parts for the Fortress sanitizer system. Please refer to this table when ordering replacement/spare parts. If you have questions concerning a specific application, please contact GP Reeves for assistance.

Table 2. Recommended Spare Parts

Part#	Description	Qty.Used Per Dispenser
HSD-V3.02-R	Dispenser Only	1
BP-4	Battery, 4 Amp	1
BP-6	Battery, 6 Amp	1
BH-M12	Battery Holder	1
BP-C	Battery Charger	1
HSS-120	120VAC to 12VDC Power Supply	1

TROUBLESHOOTING

Table 3 below lists some common problems and recommended solutions/corrective actions. If you are still unable to correct a problem, please contact GP Reeves Inc.



DANGER: Remove the battery pack from the battery holder or unplug power supply cord BEFORE disassembling components OR disconnecting electrical leads on this equipment!

Table 3. Troubleshooting

Problem/Fault	Possible Cause	Solution
Pump operates; no dispense	Supply container empty	Unplug power supply cord and replace supply container.
	Dispense port obstructed	Clean/clear dispense port.
	Pump tubing deformed/worn	Replace pump inlet/outlet tubing. Refer to <i>Replacement of Pump Tubing</i> section.
	Pump is not primed	Place hands beneath photo eye several times to prime pump and dispense sanitizer.
No dispense; pump not operating	Battery Requires Replacement or is Not Installed (Battery Pack Units)	Replace/Recharge battery.
	Power Units - Unit is not plugged in	Plug power supply cord into standard outlet.
	Photo eye area obstructed	Clean/clear photo eye area using mild detergent and water.
	No photo eye red sensor light apparent; photo eye not functional	Replace photo eye sensor.
	Photo eye red sensor light apparent; pump does not operate	Replace unit or replace defective component. Repair Instructions are available upon request.
	Pump/motor controller (timer) not functional	Replace unit or replace defective component. Repair Instructions are available upon request.

CONTACT US

GP Reeves Inc.
4551 Holland Ave. Holland MI 49424

gpreeves.com
customerservice@gpreeves.com

Domestic Phone: 888-399-8893
International Phone: +1 616-399-8893

To schedule service, please call: +1 616-266-9229

REVISIONS

Revision Number	Date Issued	Change
Original	August 04, 2020	--