

Owner's Manual

For ZEP SHURFILL Automated Filling System - For use with ZEP®
DURA SHOT "S" SPRAYERS.

This Manual Contains Important Safety and Operation Information.

MODEL NO: S450A-55 ZEP

SERIAL NUMBER

INVOICE DATE

This ZEP SHURFILL machine is set up with special seals. When used with the DURA SHOT "S" sprayer it is chemically resistant to almost any product.
**

This unit is set up to dispense products in DURA SHOT "S" sprayers which have a 24 oz. capacity. DO NOT use this machine for any other size sprayer.

IMPORTANT!! Excessive moisture and debris in your air line can cause damage to this piece of equipment and may void your warranty. A compressed air filter is included and **MUST** be used to help remove excessive moisture and debris from your air line. This will help insure problem free operation of this machine.
Failure to use this filter will VOID THE WARRANTY!!!

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#1.

THANK YOU!

You have just purchased our **NEW, SECOND GENERATION, ZEP® SHURFILL** Automated Filling System – For use exclusively with **ZEP® DURA SHOT “S” SPRAYERS**. The **ZEP® SHURFILL** Automated filling machine fills and pressurizes your sprayer in seconds, using a special quick connect. This **ZEP® SHURFILL** Automated filling system comes with special seals to cover a wide range of chemicals. It is easy to use and built to industrial specifications. Properly maintained it will provide years of trouble free service.

EXPLOSION HAZARD WARNING

- 1. The ZEP® SHURFILL automated filling machine MUST be grounded by a licensed electrician to prevent the possibility of electrostatic discharge, which can lead to the explosion of solvent containing vapors.**
- 2. Keep Flames or sparks away from this machine when using flammable products.**

#2. SAFETY INFORMATION

DO NOT USE THIS MACHINE WITHOUT THOROUGHLY READING ALL SAFETY AND OPERATING INSTRUCTIONS. IF YOU DO NOT FULLY UNDERSTAND THESE INSTRUCTIONS, CONTACT YOUR ZEP® SALES REPRESENTATIVE OR zepequip@zep.com

1. **DO NOT** use this machine, unless **properly grounded** by a **licensed electrician**
2. **DO NOT** operate this machine without **safety glasses**
3. **DO NOT** exceed the **maximum air pressure of 125 PSI**
4. Removal or alteration of any parts voids warranty.
5. **DO NOT** use any other equipment with this machine. This machine is designed **exclusively for use with ZEP® DURA SHOT “S” SPRAYERS.**
Use of any other equipment with this machine voids warranty and can cause a dangerous situation, injury or death.
6. **DO NOT** remove, or cover any warning labels or instructions on this machine.
7. **DO NOT** kink, bend or twist any hoses.
8. **DO NOT** refill the sprayer unless it is completely empty of air and liquid.

When all liquid has been sprayed, remove the air using one of the following methods.

- A. Turn sprayer upside down and depress trigger until all air is evacuated.
- B. Unscrew canister until all air is evacuated. Retighten when done.

#3. ASSEMBLING THE ZEP® SHURFILL TO TABLE
(If you are supplying your own table or stand go to #5 at this time.)

1. Unpack the ZEP® SHURFILL unit. Inspect for any damage that could have occurred during shipping.
2. Remove table and inspect for damage.
3. Place the machine on the table, matching the four holes of the machine with the four corresponding holes on the table.
4. Using the four bolts and washer provided secure the machine to the tabletop.
5. **THIS MACHINE SHOULD BE GROUNDED BY A LICENSED ELECTRICIAN BEFORE YOU CONTINUE. FAILING TO DO THIS WILL CAUSE AN UNSAFE CONDITION AND COULD CAUSE INJURY OR DEATH.**
6. Connect the ground cable to the container of chemical you are using. Clamp needs a bare metal connection. **You will need to reconnect the ground every time you change the container.** (Diagram 1)



Diagram #1

7. Install the air filter and nipple provided on to the elbow at the top of the regulator. (Diagram #2) Do this at the same time you install your quick connect nipple on the end of the air filter following the instructions on the poly bag the parts are in. Arrow on filter **MUST** point towards machine. Connect air line to the nipple.



Diagram #2

8. **Regulator is preset to 125 P.S.I. DO NOT ALTER SETTING.**
9. **DO NOT** operate this machine if there are any signs of damage, leakage or failure.
10. The end of the siphon tube has a special filter on it. This filter should only be removed for cleaning. **Using machine without filter voids warranty!!**
11. The compression fitting for the siphon tube has been installed facing to the front of the machine. To change position, hold the fitting using a 1" or adjustable wrench and tighten the compression fitting (Using a 9/16" wrench) to the desired position that you would like the siphon tube to enter the compression fitting from. (Diagram #3) This will depend on where you locate your drum or bucket. Then attach the siphon tube and tighten nut.



Diagram #3

12. Place the other end of the siphon tube (with filter) inside the bulk container. **SEE START UP BEFORE CONTINUING.**

#4. START UP

DO NOT HOOK UP SPRAYER TO MACHINE AT THIS TIME.

1. Push the joystick to the **LEFT** and hold for 15 seconds. This will fill the Pump with chemical. Sprayer should **NOT** be connected to the quick connect when doing this.
2. **When step one has been completed, connect the sprayer to the quick connect on the machine (Diagram #4).** Push the joystick to the **RIGHT** (liquid side) of the machine until the yellow cap on the rod moves all the way to the right (approx. 15 seconds) and stops. This will fill your sprayer with liquid because the pump has been primed in step #1.



Diagram #4

- 3 Release the control lever; make sure it returns to center for several seconds, **then push lever to the LEFT for air**, and hold for approx. 15 seconds. This will fill the sprayer with up to 125 P.S.I. of air **and** siphon the chemical back into the pump so you are ready for the next fill. (If you do not hold the lever to the left long enough the rod will retract slightly indicating a short fill. Push the lever back to the left for an additional 5 seconds and release.)
4. Disconnect the quick connect from top of sprayer by pulling the outside collar of the quick connect until it releases. You are ready to spray.
5. Always use the entire product in sprayer before you refill as this will make sure You will have 24 oz. on your next fill.

6. **You must remove all air from sprayer before refilling.** You can do this by holding the canister upside down while depressing the trigger until all the air has been evacuated. You can also do this by loosening the canister until all air has been evacuated. Retighten when done.

Remember.....

The Zep® Shurfill must be primed (Startup Step #1) with every new bulk container.

The Zep® Shurfill automated filling system is only intended for use with Zep® Dura Shot “S” sprayers that have the special quick connect adaptor.

Never use any acids in either the system or in any sprayers.

Never remove the filter on the bottom of the siphon tube. Doing so will void your warranty.

Although this system was designed using industrial standards, we understand things happen. Should you have any trouble with your system, please call **800-313-8439** **FIRST**. Do not attempt to disassemble or fix this machine. Doing so will void your warranty and could create a dangerous situation.