

Owner's Manual

For ZEP SHURFILL Automated Filling System - For use with ZEP MODEL B SPRAYERS

This Manual Contains Important Safety and Operation Information.

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MODEL NO: S400A

SERIAL NUMBER 5000

This Zep ShurFill machine is set up with special seals. When used with the Model “ B sprayer with the special Zep ShurFill filler cap, Part # S00701, it is chemically resistant to almost any product. **

This unit is set up to dispense products in Model “ B sprayers which have a 32 oz. capacity. DO NOT use this machine for any other size sprayer.

**** Do not use Steel sprayers with water based materials.**

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#1.

THANK YOU!

You have just purchased our **NEW, SECOND GENERATION, ZEP SHURFILL** Automated Filling System – For use exclusively with **MODEL B SPRAYER** The **ZEP SHURFILL** Automated filling machine fills and pressurizes your Model B & C Sprayer in seconds, using a special quick connect filler cap. 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 150 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 MODEL B SPRAYER** **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. Loosen filler cap 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 **Zep ShurFill** machine on the table, matching the four holes of the Zep ShurFill with the four corresponding holes on the table.
4. Using the four bolts and washer provided secure the Zep ShurFill 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. Connect the compressed air to the regulator. (Diagram 2) The machine comes with a 1/4" NPT female opening. Install a nipple from your current quick connect system in this opening



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. Remove the compression fitting from the poly bag and attach to the fitting on the upper right side of the machine (Diagram #4). 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. This will depend on where you locate your drum or bucket. Then attach the siphon tube and tighten nut.



Diagram #4

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

#4. START UP

After **LICENSED ELECTRICIAN** has grounded the unit and you have connected the air supply, you are ready to prime the Sure-Fil.

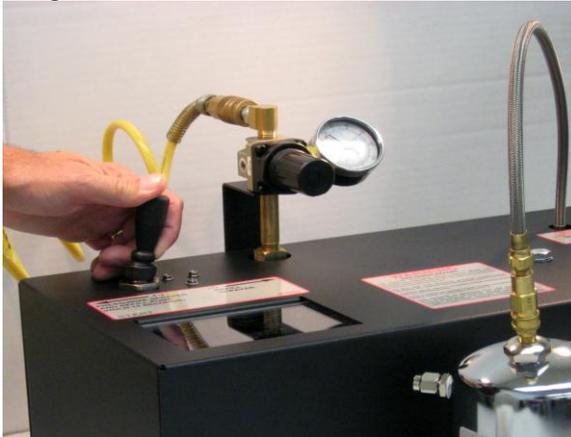
1. Connect the quick connect end of the Zep Shurfilhose to the top of the filler cap located on top of your sprayer. (Diagram 5) This is done by pulling the collar back on the quick connect, pushing the quick connect over the nipple and pushing down on the quick connect until it clicks. (**You must have the Zep ShurFill quick connect filler cap – Part # S00701, to use your Model B & C sprayer with this system.**

Diagram #5



2. **Push the control lever to the right for liquid**, until the yellow cap on the rod (visible through the Plexi glass) reaches the red end mark on the label. Approx. 15 Seconds (Diagram 6). Let the lever return to center for several seconds. Then push the control lever to the left and hold for 15 seconds. This will siphon the first filling of chemical into the cylinder.

Diagram #6



3. **(During your initial start up this will only fill the sprayer with air while the pump is being primed with liquid. Initial startup must be performed every time you start a new bucket or drum of product.)** Remove the air by depressing the trigger on the sprayer until empty. Point sprayer in a safe direction while removing the air. When all air has been removed, **push the control lever to the right (liquid side) of the machine** until the yellow cap on the rod reaches the red end mark (Approx. 15 seconds). This will fill your sprayer with liquid now that the pump has been primed.
4. 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.)
5. 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.
6. Always use the entire product in sprayer before you refill as this will make sure you will have 32 oz on your next fill.

7. **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 filler cap until all the air has been evacuated. Retighten when done.

Remember.....

The Zep ShurFill must be primed with every new bulk container.

The Zep Shurfill automated filling system is only intended for use with Sure Shot sprayers that have the special quick connect adaptor.

Never use any acids in either the Zep ShurFill system or in any MODEL B SPRAYER.

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](tel: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.

Your compressed air system needs to be free of moisture and or debris before entering the Zep ShurFill system. An inexpensive filter / dryer installed before the regulator would be a great idea!!!