



Register for your extended warranty before spraying.

petratools.com/HD101

Need Help? Scan or visit petratools.com/support/HD101 for FAQ's and videos on using this product. Or, contact us at: support@petratools.com (800) 613-6889



SAFETY WARNINGS

WARNING: THIS SPRAYER IS DESIGNED TO APPLY CHEMICALS THAT MAY BE HARMFUL AND COULD CAUSE SERIOUS PERSONAL INJURY IF INHALED OR BROUGHT INTO CONTACT WITH THE USER OR OTHER INDIVIDUALS OR ANIMALS. FAILURE TO READ THE MANUAL INSTRUCTIONS AND WATCH THE SAFETY VIDEOS PRIOR TO USE OF THIS PRODUCT COULD RESULT IN SERIOUS INJURY OR DEATH.

1. Using a sprayer can be dangerous. Please read these instructions carefully before using for your protection and the protection of others.
2. Minors should not be allowed to use this sprayer. Do not use if bystanders or animals are nearby.
3. Do not modify in any way that is not explicitly recommended in PetraTools videos or instructions.
4. Wear sturdy shoes or boots with non-slip soles. Always wear proper protective clothing and gloves when handling or spraying chemicals. Always wear proper eye and respiratory protection in accordance with the chemical manufacturer's instructions.
5. If chemicals start to leak when you use the sprayer, stop immediately. Tighten all connection points.



Eye Protection



Hand Protection



Foot Protection



Dust Mask



Protection Wear



Wash Hands

MAINTENANCE

Always clean your sprayer after use to eliminate any chemicals used. Empty all the liquid from the hose and handle as much as possible and flush clean water through it. Then run warm water with soap through the machine, repeat with just warm water. Avoid storing chemicals in the tank or exposing the sprayer to direct sunlight or freezing temperatures.

Visit petratools.com/HD101 for further cleaning and storage recommendations.

ESPAÑOL

Para ver el manual de instrucciones en español, visita petratools.com/manuals

FRANÇAIS

Pour consulter le manuel d'instructions en français, rendez-vous sur petratools.com/manuals

DEUTSCH

Um das Handbuch auf Deutsch anzuzeigen, besuchen Sie petratools.com/manuals

ITALIANO

Per visualizzare il manuale delle istruzioni in italiano, visita petratools.com/manuals

If you have any questions, concerns
or missing parts
**DO NOT RETURN UNIT TO STORE /
ONLINE RETAILER:**

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Visit www.petratools.com

Email our support: support@petratools.com

WHAT'S IN THE BOX?



Questions/ Issues with
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We'll make it right

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PRODUCT SPECIFICATIONS



PUMP ASSEMBLY

PUMP HANDLE



PUMP HOUSING

1	NOZZLE (ADJUSTABLE) NOZZLE (FAN FLAT)	TIP-10139 TIP-10140
2	PUMP ASSEMBLY	PUMP-10149
3	FUNNEL BOWL	MISC-10150
4	PRESSURE-RELEASE VALVE	VALVE-10151
5	TANK	TANK-10098

6	VALVE HANDLE FILTER	FILTR-10153
7	HOSE	HOSE-10137
8	VALVE HANDLE	HNDL-10138
9	COMPRESSION NUT	NUT-10152
10	TANK FILTER	FILTR-10154
11	WAND	WAND-10141

HOW TO USE THE HD101 SPRAYER?

STEP 1 - UNBOXING



- Open the box to find your HD101 unit, wand, and accessory bag.

STEP 2 - ATTACHING THE WAND



- Fully insert the wand into the valve handle. A twisting motion often helps ensure a complete fit.
- Tighten the black compression nut onto the valve handle, turning clockwise.

Hand-tighten this connection as using tools may result in damage to the plastic. Leaks are often caused by incomplete insertion of the wand into the handle. If you notice drips, loosen the connection, twist the wand while pushing it into the valve handle, and then retighten the connection.

STEP 3 - OPEN THE TANK



- Lower the sprayer handle into the slots at the base of the orange pump housing.



- While holding the larger funnel bowl in one hand, turn the pump handle counterclockwise to unscrew it.



- Once unscrewed, remove the pump assembly, which includes the black tube connected to the pump handle.

STEP 4 - ADDING SOLUTION



- Carefully pour the solution through the wide-mouth lid of the tank.
- After filling the tank, re-thread the pump assembly back into the tank and tighten clockwise.

STEP 5 - OPERATION



- **Check Connections:** Make sure the pressure relief valve and hose connections are tight.
- **Prepare the Pump Handle:**
 - Turn the pump handle to align the tabs with the slots in the pump housing.
 - Pull the handle straight up.
- **Pressurize the Sprayer:**
 - Pump the handle up and down 20-30 times or until it becomes difficult to pump.
- **Secure the Pump Handle:**
 - Push the handle down fully, aligning the tabs.
 - Turn the handle clockwise to lock it into the lid.
- **Begin Spraying:**
 - Squeeze the valve handle to start spraying.
 - **If the spray is weak or inconsistent, rotate the end of the orange nozzle to adjust the spray pattern.**
- **Pump again as needed to maintain pressure.**

STEP 6 - CLEANUP



- Lift the pressure release valve before opening the tank to remove any remaining pressure in the tank.
- When changing solutions, sprayer should be thoroughly cleaned with soap and water to ensure smooth operation during next use. Soap and water should be sprayed through fully assembled unit to clean the hose, wand and nozzle.
- Clean your sprayer after use with warm, soapy water to ensure it is clean and ready for your next use.
- Leaving solutions in the sprayer for extended periods can result in clogged filters or nozzle.

WHEN USING GLUES THE SPRAYER SHOULD BE CLEANED IMMEDIATELY AFTER USE.

HOW TO CHANGE NOZZLES

Changing the Nozzles

If you need to change the nozzles on your HD101 One Gallon Pump Sprayer, follow these simple steps. The nozzles are attached to the end of the sprayer rod with a compression nut.

Tools Needed:

None (Avoid using wrenches or tools as they may damage the plastic components)



STEPS TO REMOVE THE NOZZLE:

- 1. Loosen the Compression Nut:** Using your hands, loosen the compression nut at the end of the sprayer rod where the nozzle is attached.
- 2. Remove the Nozzle:** Once the compression nut is loose, slide the nozzle off the end of the sprayer rod.



ATTACH THE NEW NOZZLE:

- 1. Prepare the Nozzle:** Make sure the compression nut on the sprayer rod is loose.
- 2. Attach the Nozzle:** Push the new nozzle onto the end of the sprayer rod until fully inserted.
- 3. Tighten the Nut:** Hand-tighten the compression nut securely.



ADJUSTABLE NOZZLE

Twist the nozzle to change the spray from a mist to a straight stream.



FAN FLAT NOZZLE

Sprays an even, wide pattern for covering larger areas.

HOW TO CHECK OR REPLACE FILTERS

If you experience limited flow to the nozzle or the unit is not working correctly, checking, cleaning, or replacing the filters may be necessary. There are two filters: one inside the valve handle and one at the bottom of the hose inside the tank.

Tools Needed: Adjustable wrench, Soft brush, Clean water



STEPS TO CHECK, CLEAN, OR REPLACE THE VALVE HANDLE FILTER:

- 1. Loosen the Compression Nut** at the base of the valve handle securing the hose.



2. Remove the Hose: Carefully pull the hose away from the valve handle to disconnect it.



3. Unthread the Filter Housing: Use an adjustable wrench to unthread the filter housing from the bottom of the valve handle.



4. Remove and Inspect the Filter: Remove the filter from the housing and inspect it for debris or damage.



5. Clean the Filter: If the filter is dirty, use a soft brush and clean water to remove debris gently. Ensure it is clean before reassembly.



6. Replace if Necessary: If the filter is damaged, replace it with a new one.



7. Reassemble the Valve Handle: Reinsert the filter into the housing, thread the housing back onto the valve handle, reconnect the hose, and tighten the compression nut securely.

STEPS TO CHECK, CLEAN, OR REPLACE THE TANK FILTER:



1. Unthread the Hose Connection:

Unthread the hose connection from the tank by hand.



2. Remove the Pickup Hose:

Remove the pickup hose from inside the tank.



3. Remove and Inspect the Filter:

Locate the filter at the bottom of the pickup hose, inspect it for any debris or damage.



4. Clean the Filter:

If the filter is dirty, use a soft brush and clean water to remove debris gently. Ensure it is clean before reassembly.



5. Replace if Necessary:

If the filter is damaged, replace it with a new one.



6. Reassemble the Pickup Hose:

Reattach the filter to the bottom of the pickup hose, insert the hose back into the tank, and rethread the hose connection onto the tank.

Regularly checking, cleaning, or replacing these filters ensures that your sprayer operates efficiently and maintains optimal performance.

100% SATISFACTION GUARANTEE:

Your satisfaction with this sprayer is our primary concern. If you're not completely happy with your purchase, please contact our friendly support team at 1-800-613-6889 for immediate assistance. We offer a 30-day return policy from the date of purchase AND a total satisfaction guarantee. If the product doesn't meet your expectations, just let us know, and our dedicated customer service team will make sure you have an excellent experience with our product.

TROUBLESHOOTING STEPS

Problem: The unit won't build pressure

Possible Causes and Solutions:

- **Pressure Relief Valve :** you might hear air leaking around the pressure relief valve
 - **Check the Seal:** Ensure the seal is intact and not worn out.
 - **Inspect for Debris:** Verify that nothing is caught between the seal and the valve seat.
 - **Look for Damage:** Examine the valve and seal for any visible damage, such as cracks or deformations.
- **Pump Assembly:** Ensure the pump assembly is properly secured and not damaged.
- **Connections:** Make sure the connections are tight at the pressure release valve, hose to tank connection, and the connections on the valve handle.
- **Clogged Filters:** Check and clean the filters inside the valve handle and at the bottom of the hose inside the tank.

Problem: There is a leak

Possible Causes and Solutions:

- **Connections:** Check and tighten all connections, including compression fittings.
- **Hose Connection:** Inspect the hose connection for any cracks or loose fittings.
- **Valve Handle:** Ensure the valve handle is fully closed when not in use and check for any damage.
- **Tank:** Examine the tank for any cracks or damage.

Problem: I can't get the unit open

Possible Causes and Solutions:

- **Pressure:** Ensure the pressure release valve is used to release any remaining pressure before attempting to open.
- **Pump Handle:** Fully depress the pump handle into the base of the pump assembly. While holding the orange funnel in one hand, turn the pump handle counterclockwise to unscrew it.

SCAN HERE
FOR ADDITIONAL HOW TO
VIDEOS & GET ANSWERS



Problem: The unit is hard to pump

Possible Causes and Solutions:

- **Pump Assembly:** Inspect the pump assembly for damage or wear.



PUMP INSPECTION

1. Remove the Pump: First, remove the pump assembly from the tank.



2. Unscrew the Orange Nut: Unscrew the orange nut securing the orange pump handle to the black pump housing.



3. Slide Out the Pump Handle: Carefully slide the pump handle out of the pump housing.



4. Lubricate the O-Ring: Apply a small amount of silicone or Teflon-based lubricant to the O-ring at the base of the pump handle.



5. Reassemble the Pump: Slide the pump handle back into the pump housing, screw the orange nut back on, and then reattach the pump assembly to the tank.

Problem: The spray is weak or intermittent

Possible Causes and Solutions:

- **Clogged Filters:** Check and clean the filters inside the valve handle and at the bottom of the hose inside the tank.
- **Low Pressure:** Pump the unit to build more pressure.
- **Nozzle Clog:** Inspect the nozzle for clogs and clean it with water and a soft brush.
- **Seal and Connections:** Ensure all seals and connections are tight.

Problem: The liquid is not being drawn from the tank

Possible Causes and Solutions:

- **Pickup Tube:** Ensure the pickup tube inside the tank is properly connected and not damaged.
- **Liquid Level:** Verify that there is sufficient liquid in the tank.
- **Clogged Filters:** Check and clean the filters inside the valve handle and at the bottom of the hose inside the tank.

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100% SATISFACTION GUARANTEE

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Common maintenance questions: www.petratools.com/start