

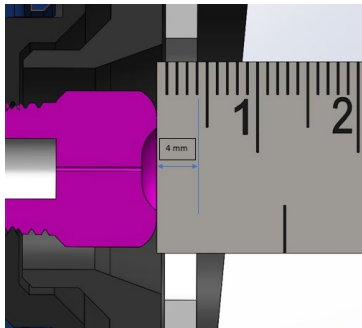
PAX-50 NOZZLE REPLACEMENT GUIDE

1. WHAT YOU NEED:

- Replacement Nozzle
- 14 mm Ratchet and socket
- ½ inch Yellow PTFE tape
- Precision ruler or vernier caliper
- Water to fill the tank

2. REMOVING THE EXISITING NOZZLE

- Prior to removing the nozzle, measure the distance at which the nozzle is from the front of the ring to the tip of the nozzle. Write that distance down as you will need it when installing the new nozzle.



- Place the socket over the nozzle to be replaced and turn the ratchet counterclockwise ensuring that you maintain the ratchet handle in a perpendicular angle to the nozzle.
- After removing the nozzle, run water through the system to ensure that there is no residue left in the nozzle chamber. Let the Pax-100 run for about 5 seconds.
- Visually inspect the threading of the nozzle chamber to ensure that there is no leftover tape or foreign particles.
- If the original nozzle does not have any Teflon tape on the threads, skip to step 4. Otherwise continue to step 3.

3. PREPARING THE REPLACEMENT NOZZLE PRIOR TO INSTALLATION

- Visually inspect the threads of the replacement nozzle and rinse the male thread to remove any dirt, grime or any other materials that may impede a tight connection.
- Line up the edge of the Teflon tape with the outer edge of the threads perfectly. Make sure no amount of tape projects over the nozzle's edge. If it does, peel the tape off the threads, trim the used strip from your roll, and try again. Cover the threads with one layer of tape, following the direction that the threads run (Clockwise). Once you complete a full circuit, wrap a second layer of tape over the first. Stray bits of tape that stick over the nozzle's edge will end up in the passageway when the nozzle is installed. They may then block the flow of liquids, causing clogs and/or weak pressure.
- Pull the tape taut as you unroll it to ensure a tight fit. The tape should be drawn in between the threads as you wrap them.

- d. Once the threads are totally covered, pull the tape taut until the tape is sheared off. As you do so, make sure that both the grooves and ridges are equally covered until the tape is sheared off.
- e. Flatten any loose strands with your thumb.
- f. Make sure that you have covered the entire length of the threads with consistently tight tape. Inspect their grooves and ridges to confirm that their shapes are perfectly visible and unblemished by loose tape. Unwrap the tape and start over with a new strip if the original tape appears loose at any point.

4. INSTALLING THE REPLACEMENT NOZZLE

- a. Place the replacement nozzle into the nozzle chamber, it is critical avoid misalignment with the direction of the nozzle with the nozzle chamber.
- b. Using your fingers, rotate the nozzle in place in a clockwise direction until the threads are engaged.
- c. Prior to proceeding, visually inspect and ensure that the nozzle is centered in the nozzle chamber and that it is straight.
- d. Place the socket over the installed nozzle and slowly turn the ratchet clockwise ensuring that you maintain the ratchet handle perpendicularly to the nozzle.

5. CALIBRATING THE FINAL POSITION OF THE NOZZLE

- a. After a full turn, measure the distance of the tip of the nozzle to the front of the metal ring as shown in figure 2.
- b. Adjust the distance as needed until the same depth as measured in step 2 a.

6. TEST THE REPLACEMENT NOZZLE

- a. Switch on the PAX-100 sprayer.
- b. It is common for a small amount of liquid to drip when first starting the unit while the passageways are being purged.
- c. Please allow for up to 1 minute for the pressurized mist stream to form.
- d. In case there is some leakage from the nozzle, ensure remove and ensure the Teflon is properly applied to the threads and reinstall.
- e. If the leaking persists, please call our service team for support.

Following these installation instructions should set your PAX-100 up for proper use, if the unit is not performing optimally, please contact our service team at service@paxinnovations.com