



Trojan Pen Waterer Care & Maintenance Guide

Keep Your Waterer Working Like New

Regular cleaning helps prevent leaks, improve water flow, and extend the life of your waterer.

Daily Checks

- Refill with clean, fresh water
- Check for proper water flow
- Inspect the nipple for debris
- Watch for dripping after use

Weekly Cleaning

1. Empty the tank.
2. Rinse thoroughly with clean water.
3. Wash with warm water and mild soap.
4. Rinse until all soap is removed.
5. Refill and test water flow.

Common Issues & Solutions

Issue	Possible Cause	Solution
Nipple drips	Debris in nipple	Clean nipple assembly
Low flow	Blockage	Clean tank and nipple assembly
Constant leak	Debris in nipple	Clean nipple assembly
Poor seal	O-ring not seated	Reassemble correctly

Pro Tips

- Flush the nipple with clean water and allow the unit to dry after every show.
- Store indoors when not in use.
- Keep a spare Repair Kit on hand.
- Clean the nipple assembly before replacing parts.

Need More Help?

Scan to watch a detailed cleaning video



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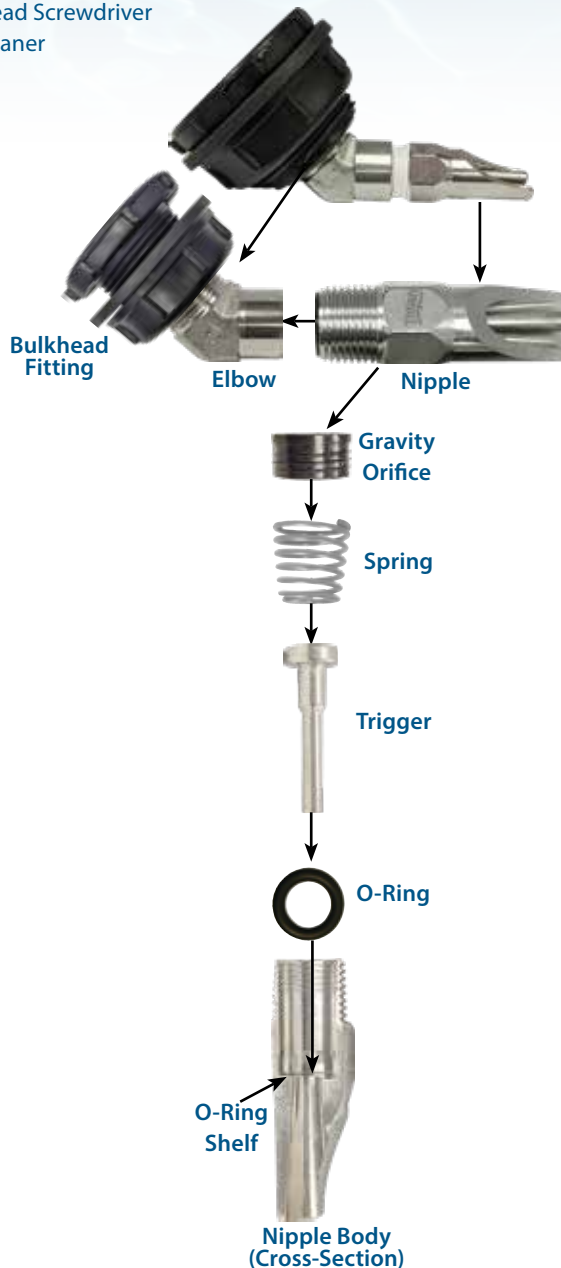


How to Clean Your Trojan Nipple Assembly

Tools Required

- 7/8" wrench
- Vice or 1-1/16" wrench
- Quarter (25¢ Coin) or Large Flathead Screwdriver
- Small Brush or Pipe Cleaner
- Pipe Tape

Parts Breakdown:



1. Remove the Nipple from the Elbow

- Secure the elbow in a vise.
- Using a 7/8" wrench on the nipple, turn counterclockwise to remove it from the elbow.

Alternative Method (No Vise Available)

Hold the elbow with a 1-1/16" wrench and use a 7/8" wrench on the nipple. Turn the nipple while holding the elbow securely to prevent twisting or damage.

2. Remove the Gravity Orifice

Using a large flat-head screwdriver or a quarter, carefully unscrew and remove the gravity orifice. Then remove the spring, trigger, and Viton O-ring.

3. Use a Small Brush or Pipe Cleaner

Insert a narrow, soft cleaning brush into the metal nipple body and gently scrub.

4. Inspect the Viton O-Ring

Check the Viton O-ring for cracks, tears, wear, or buildup. Clean it thoroughly and replace it if any damage is found.

5. Clean and Rinse Thoroughly

Ensure all soap and debris are removed from the O-ring, trigger, spring, and gravity orifice before reassembly.

6. Reassemble the Nipple Assembly:

- Place the O-ring on the O-ring shelf inside the nipple body (see diagram). Ensure it is seated fully and evenly, as an improperly positioned O-ring can cause leaks.
- Insert the trigger
- Install the spring with the small end against the top of the trigger and the large end facing the opening, as shown in the parts breakdown.
- Reinstall the gravity orifice

7. Reinstall the Nipple into the Elbow

- Inspect the nipple and elbow threads, removing any debris.
- Apply thread tape if the original tape was removed.
- Thread the nipple into the elbow by hand to prevent cross-threading, then tighten with a 7/8" wrench until snug while holding the elbow securely in a vise.

Alternative Method (No Vise Available)

If a vise is not available, hold the elbow with a 1-1/16" wrench and use a 7/8" wrench to tighten the nipple.

Important

DO NOT overtighten. Tighten only until the connection is secure and leak-free. Excessive force can damage the threads or elbow.

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