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Pentair 352256

Pentair 352256 Quick Connect Nut Replacement User Manual

For Sta-Rite Dynamo Aboveground Pool and Spa Pumps

1. Introduction

This manual provides essential information for the proper installation, maintenance, and troubleshooting of the Pentair 352256 Quick Connect Nut. This component is specifically designed as a replacement part for Pentair Sta-Rite Dynamo aboveground pool and spa pumps. Adhering to these instructions will ensure optimal performance and longevity of the part.



Figure 1: The Pentair 352256 Quick Connect Nut. This image shows the black plastic nut with ribbed exterior for grip and internal threading.

2. Safety Information

Always prioritize safety when working with pool and spa equipment. Improper installation or maintenance can lead to equipment damage or personal injury.

- Ensure the pump system is completely powered off and disconnected from the electrical supply before beginning any work.
- Release any pressure in the system before disassembling components.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- If you are unsure about any step, consult a qualified pool technician.
- Keep children and pets away from the work area.

3. Package Contents

Verify that all components are present and undamaged upon opening the package.

- One (1) Pentair 352256 Quick Connect Nut

4. Installation Instructions

This section outlines the steps for replacing the quick connect nut on your Pentair Sta-Rite Dynamo aboveground pool and spa pump.

1. **Preparation:** Turn off the pump and disconnect it from the power source. Close any valves leading to and from the pump to prevent water flow. Drain any water from the pump housing if necessary.
2. **Remove Old Nut:** Locate the existing quick connect nut that secures the plumbing to the pump's inlet or outlet. Unscrew the old nut by hand, turning counter-clockwise. If it is stuck, a strap wrench may be used carefully.
3. **Inspect Gasket/O-ring:** Carefully remove the old nut. Inspect the gasket or O-ring that sits between the pump fitting and the plumbing. If it appears worn, cracked, or flattened, replace it with a new one (sold separately) to ensure a watertight seal.
4. **Position New Nut:** Place the new Pentair 352256 Quick Connect Nut over the plumbing pipe, ensuring the threaded side faces the pump fitting.
5. **Connect Plumbing:** Align the plumbing pipe with the pump's inlet or outlet fitting. Ensure the gasket/O-ring is properly seated.
6. **Tighten Nut:** Hand-tighten the new quick connect nut onto the pump fitting by turning clockwise until it is snug. Do not overtighten, as this can damage the threads or the nut itself. The ribbed exterior of the nut (see Figure 2) provides ample grip for hand-tightening.
7. **Final Check:** Once the nut is securely in place, reopen any closed valves and restore power to the pump. Carefully inspect for any leaks around the connection point. If a leak is detected, turn off the pump, relieve pressure, and gently tighten the nut further, or re-inspect the gasket/O-ring.



Figure 2: Side view of the Pentair 352256 Quick Connect Nut, highlighting the ribbed exterior for improved grip during installation.

5. Operating Considerations

Once the quick connect nut is installed, its primary function is to maintain a secure, leak-free connection. No specific "operation" is required for the nut itself beyond proper installation.

- Regularly inspect the connection point for any signs of leaks or loosening.
- Ensure the pump operates within its specified pressure limits to prevent undue stress on connections.

6. Maintenance

Proper maintenance extends the life of your quick connect nut and ensures system integrity.

- **Periodic Inspection:** Annually, or more frequently if issues arise, inspect the nut for cracks, wear, or discoloration.
- **Gasket/O-ring Check:** When performing other pump maintenance, check the condition of the O-ring or gasket

associated with this connection. Replace if it shows signs of degradation.

- **Cleaning:** If removed for maintenance, clean the nut and threads with fresh water to remove any debris or chemical residue.
- **Storage:** If the pump system is disassembled for winterization, store the nut in a clean, dry place away from direct sunlight and extreme temperatures.





Figure 3: Side profile of the quick connect nut, showing its robust construction. Regular inspection of such components is crucial for preventing leaks.

7. Troubleshooting

Refer to the following table for common issues and their potential solutions related to the quick connect nut.

Problem	Possible Cause	Solution
Water leak at connection	Nut not tightened sufficiently; Damaged or improperly seated O-ring/gasket; Cracked nut.	Turn off pump, relieve pressure, hand-tighten nut. If leak persists, replace O-ring/gasket. If nut is cracked, replace the nut.
Nut difficult to tighten/loosen	Cross-threaded; Debris in threads; Overtightened previously.	Ensure proper alignment before tightening. Clean threads. If severely stuck, a strap wrench may be needed for removal, but avoid overtightening during reinstallation.
Nut appears loose after operation	Vibration; Thermal expansion/contraction; Worn threads.	Periodically check and hand-tighten. Inspect threads for wear; replace nut if threads are compromised.

8. Specifications

Key specifications for the Pentair 352256 Quick Connect Nut:

- **Part Number:** 352256
- **Compatibility:** Pentair Sta-Rite Dynamo Aboveground Pool and Spa Pumps
- **Dimensions (Approximate):** 9 inches (Length) x 8 inches (Width) x 3.5 inches (Height)
- **Material:** Durable plastic (ABS, as indicated on some product images)
- **Color:** Black



Figure 4: Top view of the quick connect nut, showing the internal threading and part number "35-2256" and "ABS" material marking.

9. Warranty and Support

Pentair products are manufactured to high-quality standards. For specific warranty information regarding the 352256 Quick Connect Nut, please refer to the documentation provided with your original Pentair Sta-Rite Dynamo pump or visit the official Pentair website.

For technical support, replacement parts, or further assistance, please contact Pentair Customer Service or an authorized Pentair dealer. Contact information can typically be found on the Pentair website or on your original product packaging.

Note: This manual is for informational purposes only and does not supersede any local codes or regulations. Always consult a qualified professional for complex installations or repairs.

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