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Pentair R172269

Pentair Rainbow Automatic Feeder Tubing

INSTRUCTION MANUAL

Model: R172269

Introduction

This manual provides instructions for the installation, operation, and maintenance of the Pentair Rainbow Automatic Feeder Tubing, Model R172269. This tubing is specifically designed as a replacement part for Pentair Rainbow automatic chlorine/bromine pool and spa feeder model 300-29X. It features a 1/2-inch inner diameter and a 12-foot length, ensuring proper chemical delivery within your pool or spa system.

Setup and Installation

The Pentair Rainbow Automatic Feeder Tubing is intended for replacement of existing feeder tubing. Follow these steps for proper installation:

1. **Safety First:** Before beginning any work, ensure that the automatic feeder and the pool/spa circulation system are turned off and depressurized.
2. **Disconnect Old Tubing:** Carefully disconnect the old tubing from both the automatic feeder and the injection point in the plumbing system. Note the routing of the old tubing for reference.
3. **Prepare New Tubing:** Uncoil the new Pentair R172269 tubing. If necessary, cut the tubing to the required length, ensuring clean, straight cuts.
4. **Connect New Tubing:** Securely attach one end of the new tubing to the appropriate port on the Pentair Rainbow automatic feeder (Model 300-29X). Attach the other end to the injection fitting in your pool/spa plumbing. Ensure all connections are tight to prevent leaks.
5. **Route Tubing:** Route the new tubing to avoid sharp bends or kinks, which can restrict flow or cause the tubing to collapse.
6. **Check for Leaks:** Once installed, slowly restore pressure to the system and carefully inspect all connections for any signs of leaks. Tighten connections as needed.



Image of the Pentair Rainbow Automatic Feeder Tubing, showing its coiled form and material. This tubing is designed for chemical delivery in pool and spa systems.

Operating Guidelines

This tubing functions as a conduit for chemical solutions from the automatic feeder to the pool or spa. Proper operation relies on secure connections and an unobstructed pathway.

- Ensure the tubing is free from kinks or blockages that could impede chemical flow.
- Verify that all connections remain tight to prevent air leaks into the system or chemical leaks out of the system.
- The tubing is designed to withstand typical pool/spa chemical concentrations. However, avoid exposing it to incompatible chemicals or extreme temperatures.

Maintenance

Regular inspection and maintenance will prolong the life of your feeder tubing and ensure efficient operation of your chemical

feeder.

- **Visual Inspection:** Periodically inspect the entire length of the tubing for any signs of wear, cracks, discoloration, or brittleness. Pay close attention to areas near connections and where the tubing might rub against other equipment.
- **Connection Check:** Routinely check the tightness of all connections to the feeder and the injection point. Loose connections can lead to leaks or air ingress.
- **Clearance:** Ensure the tubing is not pinched or subjected to excessive stress from other equipment or sharp edges.
- **Replacement:** Replace the tubing immediately if any damage is observed or if it shows signs of significant degradation. The lifespan of the tubing can vary depending on chemical exposure, UV light, and environmental conditions.

Troubleshooting

Problem	Possible Cause	Solution
Chemicals not feeding or reduced flow	Tubing is kinked, blocked, or collapsed.	Inspect the tubing for kinks or obstructions. Reroute the tubing to avoid sharp bends. If collapsed due to a sharp bend, consider a wider radius or support.
Leaks at connections	Loose connections or damaged tubing ends.	Tighten all connections. If the tubing end is damaged, cut a small section off to create a fresh, clean end, or replace the tubing if insufficient length remains.
Tubing does not fit existing fittings	Incorrect tubing size or incompatible fittings.	Verify that the tubing's inner diameter (1/2-inch) matches the requirements of your specific Pentair Rainbow feeder model 300-29X. Ensure fittings are designed for this tubing size.
Tubing appears brittle or discolored	Chemical degradation or UV exposure.	This indicates the tubing is nearing the end of its service life. Replace the tubing immediately to prevent failure and leaks.

Specifications

- **Model Number:** R172269
- **Inner Diameter:** 1/2-inch
- **Length:** 12 feet
- **Compatibility:** Pentair Rainbow Automatic Feeder Model 300-29X
- **Manufacturer:** Pentair
- **Item Weight:** Approximately 0.16 ounces

Warranty and Support

For specific warranty information regarding the Pentair Rainbow Automatic Feeder Tubing (Model R172269), please refer to the documentation provided with your original Pentair product or contact Pentair customer support directly. Warranty terms typically cover manufacturing defects.

Manufacturer Contact: For technical assistance or support, please visit the official Pentair website or consult your local authorized Pentair dealer.