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Pentair R172009

Pentair R172009 Cap O-Ring Replacement Manual

Instructions for replacing the cap O-ring on Pentair pool and spa filters and feeders.

PRODUCT OVERVIEW

The Pentair R172009 Cap O-Ring is a replacement part designed for use with Pentair standard and high square feet module cartridge filters. It is also compatible with Pentair Rainbow automatic chlorine/bromine pool and spa feeder models 300, 302, 300-29X, and 320, 322, as well as Pentair Rainbow automatic chlorine/bromine feeder extensions. This O-ring ensures a proper seal to prevent leaks in your pool or spa system.

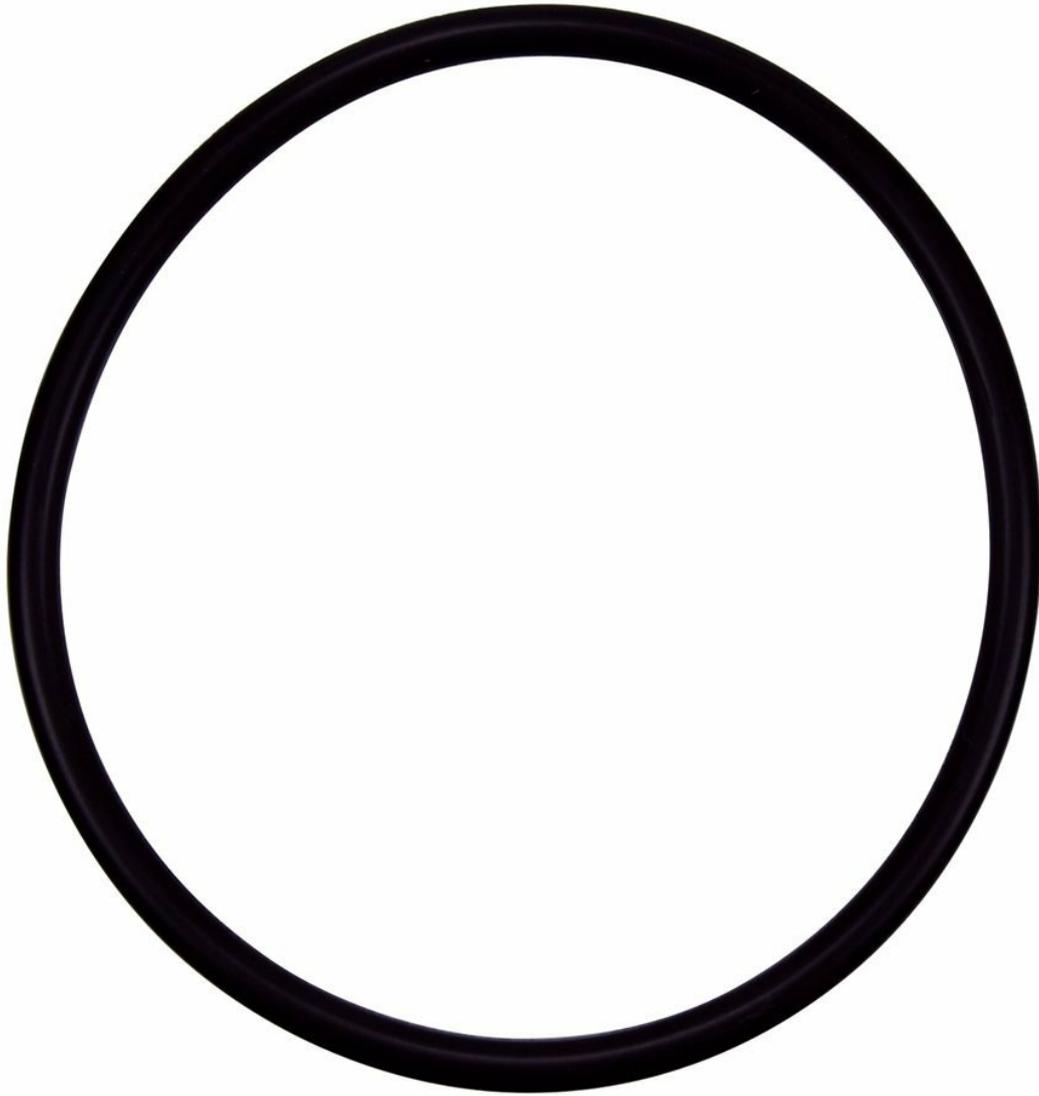


Image: Pentair R172009 Cap O-Ring, a black rubber ring, shown on a white background.

SAFETY INFORMATION

WARNING: Always ensure the pool or spa system is completely shut off and depressurized before attempting any maintenance or replacement procedures. Failure to do so can result in serious injury or damage to equipment.

Before beginning any work, place your pool control system into "Service" mode to power down all equipment. This prevents accidental startup during the O-ring replacement process.

TROUBLESHOOTING: IDENTIFYING A LEAK

If you observe water leaking from the top cap of your chlorinator or filter, it is often an indication that the O-ring seal is compromised. This can be due to wear, misalignment, or damage to the O-ring itself.

1. **Observe the Leak:** Visually inspect the top cap area for any drips or streams of water while the system is running.
2. **Shut Down System:** Turn off the pool system by setting the control panel to "Service" mode. This will stop water flow and pressure, making it safe to inspect the O-ring.

3. **Inspect the O-Ring:** Once the system is off, carefully open the top cap and examine the O-ring for any signs of damage, such as cracks, tears, flattening, or extrusion.

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Video: Demonstrates how to identify a leak and replace the O-ring on a chlorinator cap. The video shows water leaking from the cap, then the process of shutting down the system, removing the cap, inspecting the damaged O-ring, replacing it with a new one, and restarting the system to confirm the leak is fixed.

MAINTENANCE: O-RING REPLACEMENT

Replacing a damaged O-ring is a straightforward process that can prevent significant water loss and maintain the efficiency of your pool or spa system.

1. **Prepare the System:** Ensure the pool or spa system is in "Service" mode and completely shut off.
2. **Remove the Cap:**
 - The top cap of the chlorinator or filter typically unscrews.
 - If the cap is tight, you may need a wrench or a specialized tool to gain leverage and loosen it. Turn counter-clockwise to loosen.
 - Once loosened, you should be able to unscrew it by hand.
3. **Inspect and Remove Old O-Ring:**
 - Carefully lift the cap and examine the existing O-ring. It may appear stretched, cracked, or have pieces missing due to extrusion.
 - Remove the old, damaged O-ring from the cap.
4. **Install New O-Ring:**
 - Take your new Pentair R172009 Cap O-Ring.
 - Place the new O-ring into the groove inside the cap. Ensure it sits flush and is not twisted or pinched.
 - It is recommended to apply a thin layer of silicone-based lubricant (specifically designed for O-rings) to the new O-ring to aid in sealing and prevent future damage.
5. **Reattach the Cap:**
 - Carefully place the cap back onto the chlorinator/filter body, aligning the threads.
 - Screw the cap on clockwise by hand until it is snug. Avoid over-tightening, as this can damage the O-ring or the cap.
6. **Test the System:**
 - Return your pool control system from "Service" mode to "Auto" mode to restart the pump and filter.
 - Monitor the cap area for several minutes to ensure there are no new leaks. If leaks persist, re-check the O-ring installation and cap tightness.

SPECIFICATIONS

Brand: Pentair

Model Number: R172009

Material: Metal (Note: While the product listing specifies 'Metal', the O-ring itself is made of rubber for

sealing purposes.)

Color: Black

Item Weight: 0.16 ounces

Product Dimensions: 2 x 1 x 2 inches

Unit Count: 1.0 Count

Compatibility: Pentair standard and high square feet module cartridge filters; Pentair Rainbow automatic chlorine/bromine pool and spa feeder models 300, 302, 300-29X, 320, 322; Pentair Rainbow automatic chlorine/bromine feeder extensions.

Origin: Made in Taiwan

ADDITIONAL RESOURCES

For further assistance or to explore other Pentair products, please visit the official Pentair store:

[Pentair Official Store](#)