

Pentair 239000034

Pentair 23900-0034 Covered Element 22-Inch Instruction Manual

Model: 239000034

1. PRODUCT OVERVIEW

The Pentair 23900-0034 Covered Element is a 22-inch replacement component designed for use in Pentair pool and spa filtration systems. This element is crucial for maintaining water clarity and hygiene by effectively filtering out debris and particles from the water.

It is engineered for reliability and energy efficiency, contributing to a cleaner and more enjoyable aquatic environment. This product is sold as a single covered element and requires no assembly prior to installation into the compatible filtration unit.

2. SAFETY INFORMATION

- Always disconnect power to the pump and filter system before performing any maintenance or installation.
- Ensure the system is depressurized before opening the filter housing.
- Wear appropriate personal protective equipment, such as gloves and eye protection, when handling pool chemicals or filter components.
- Keep children and pets away from the pool equipment area during installation and maintenance.
- Refer to your main filter system's manual for specific safety instructions and procedures.

WARNING: This product may expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3. SETUP AND INSTALLATION

The Pentair 23900-0034 Covered Element is designed for straightforward installation as a replacement part within compatible Pentair filter systems. No assembly of the element itself is required.

1. Prepare the Filter System:

- Turn off the pool pump and disconnect all power to the filter system.

- Open the air relief valve on top of the filter to release any pressure.
- Drain the filter tank according to your filter system's instructions.

2. Access the Filter Elements:

- Remove the filter tank lid or top section as per your filter system's manual. This usually involves unlatching clamps or unscrewing a collar.
- Carefully lift out the existing filter elements. Note their orientation for proper reinstallation.

3. Install the New Element:



Image 1: Side view of the Pentair 23900-0034 Covered Element, showing its elongated, covered design.

- Inspect the new Pentair 23900-0034 Covered Element for any damage.

- Carefully slide the new element into its designated position within the filter manifold. Ensure it seats properly.
- Repeat for all elements if replacing multiple.

4. Reassemble and Start Up:

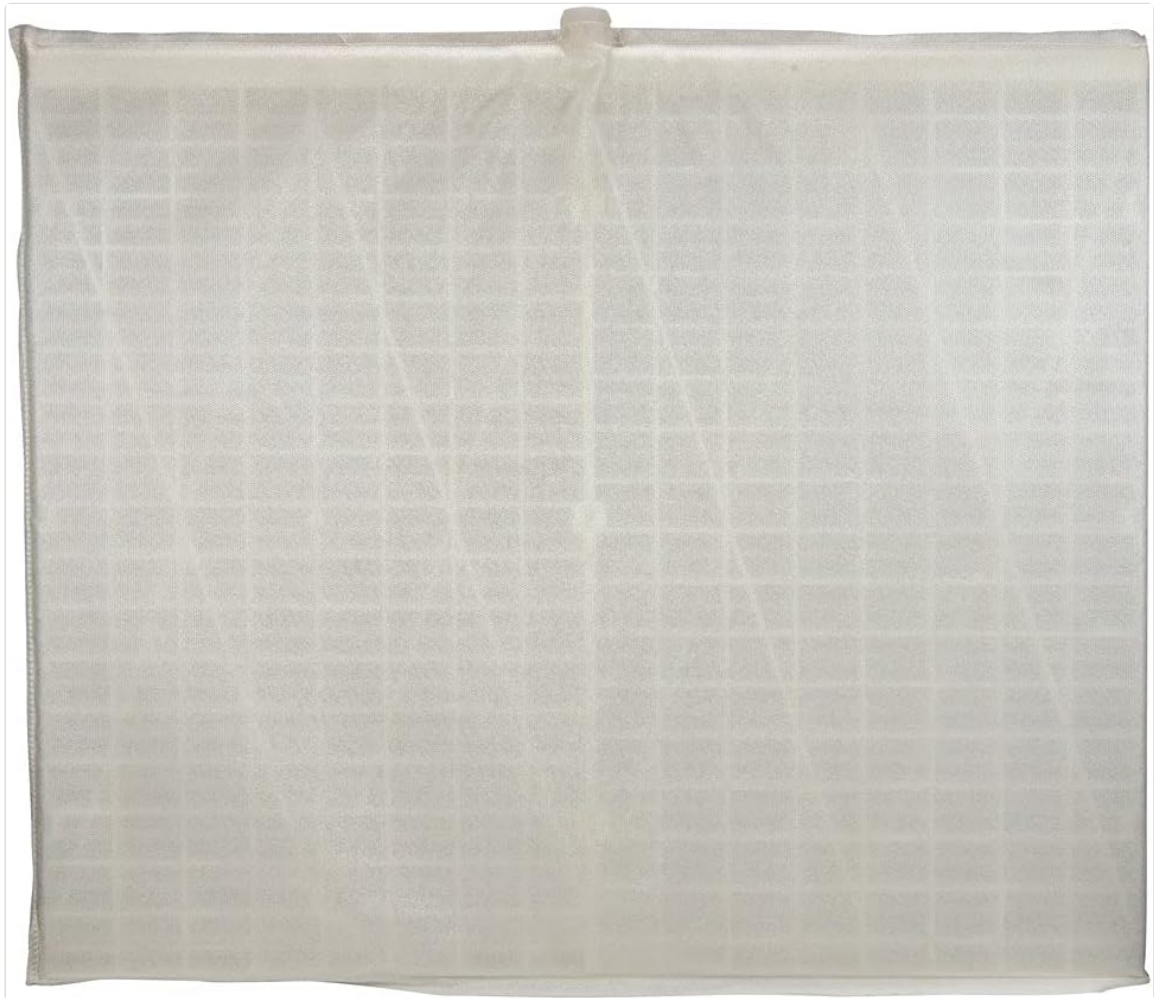


Image 2: Flat view of the Pentair 23900-0034 Covered Element, illustrating its surface area and grid pattern.

- Replace the filter tank lid and secure it according to the manufacturer's instructions.
- Close the air relief valve.
- Turn on the pool pump. Once water begins to flow, slowly open the air relief valve until a steady stream of water (not air) emerges, then close it.
- Check for leaks around the filter tank.

4. OPERATION

The Pentair 23900-0034 Covered Element operates passively within your pool or spa's cartridge filter system. Its primary function is to trap suspended particles as water passes through its filtration media.

- **Filtration Cycle:** Water from the pool/spa is pumped into the filter tank, passes through the element, and clean water is returned to the pool/spa.
- **Pressure Monitoring:** Monitor the pressure gauge on your filter system. A gradual increase in pressure indicates that the filter element is collecting debris and requires cleaning or replacement.
- **Optimal Performance:** For optimal filtration, ensure your pump is running for an adequate duration each day, typically 8-12 hours, depending on pool size and usage.

5. MAINTENANCE

Regular maintenance of the Pentair 23900-0034 Covered Element is essential for efficient filtration and extending the life of your filter system.

1. Routine Cleaning:

- When the filter pressure rises 8-10 PSI above its clean starting pressure, it's time to clean the element.
- Turn off the pump and depressurize the system as described in the "Setup and Installation" section.
- Remove the element from the filter tank.
- Hose off the element thoroughly with a garden hose, working from top to bottom, to remove loose debris.

2. Deep Cleaning (Chemical Soak):

- Periodically, or if hosing does not restore pressure adequately, soak the element in a specialized filter cleaning solution to remove oils, scale, and embedded debris. Follow the cleaner manufacturer's instructions carefully.
- Rinse thoroughly after soaking.

3. Inspection and Replacement:

- Inspect the element for tears, cracks, or damage to the fabric or end caps during each cleaning.
- A damaged element will not filter effectively and must be replaced immediately.
- Filter elements typically last 1-3 years depending on usage, water chemistry, and maintenance. Replace the element when it no longer cleans effectively or shows signs of wear.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
High Filter Pressure	Clogged filter element.	Clean or replace the filter element.
Low Water Flow / Poor Filtration	Clogged filter element, damaged element, or air in the system.	Clean or replace element. Bleed air from the system. Check pump and skimmer for blockages.
Water Not Clearing	Damaged filter element, improper water chemistry, or insufficient filtration time.	Inspect and replace damaged element. Balance pool chemistry. Increase pump run time.
Leaks Around Filter Tank	Improperly sealed lid, damaged O-ring, or cracked tank.	Ensure lid is properly secured. Inspect and replace O-ring if damaged. Consult a professional for tank damage.

If troubleshooting steps do not resolve the issue, contact a qualified pool technician or Pentair customer support.

7. SPECIFICATIONS

- **Model Number:** 239000034
- **Product Type:** Covered Element
- **Size:** 22-Inch
- **Brand:** Pentair
- **Product Dimensions:** 19.25 x 0.75 x 19.25 inches
- **Item Weight:** 1.8 pounds
- **Manufacturer:** Pentair - Distribution

8. WARRANTY AND SUPPORT

For specific warranty information regarding your Pentair 23900-0034 Covered Element, please refer to the documentation provided with your complete Pentair filtration system 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 in your product packaging.

Pentair Official Website: www.pentair.com