Pentair 98209800

Pentair 98209800 High Flow Manual Relief Valve User Manual

Model: 98209800

1. Introduction

This manual provides essential instructions for the installation, operation, and maintenance of the Pentair 98209800 High Flow Manual Relief Valve. This component is designed as a replacement part for various Pentair pool and spa filter systems, ensuring proper air relief and pressure management.

2. Safety Information

Always observe basic safety precautions when installing and operating this product to reduce the risk of injury, fire, or electric shock. Read and follow all instructions carefully.

- Ensure the pump is turned off and the system is depressurized before attempting any installation or maintenance.
- Wear appropriate personal protective equipment, such as safety glasses.
- If you are unsure about any part of the installation or operation, consult a qualified pool professional.
- Do not operate the filter system if any components are damaged or improperly installed.

3. Package Contents

Verify that all components are present and undamaged before proceeding with installation.

- 1 x Pentair 98209800 High Flow Manual Relief Valve (includes pressure gauge)



Figure 1: Pentair 98209800 High Flow Manual Relief Valve assembly, including the pressure gauge and a black mounting clip.

4. Setup and Installation

This relief valve is compatible with various Pentair filter models, including:

- Pentair Clean & Clear Aboveground, Clean & Clear Plus, Clean & Clear/Predator Pool and Spa Cartridge Filters
- Pentair Warrior, EasyClean Aboveground, EasyClean, FNS Plus, SM & SMBW 4000 Series Pool and Spa D.E. Filters

Installation Steps:

1. **Turn off the pump:** Ensure the pool pump is completely off and disconnected from power to prevent accidental startup.
2. **Depressurize the system:** If the old valve is still in place, slowly open it to release any remaining pressure from the filter system.

3. **Remove the old valve:** Carefully unscrew or unclip the existing manual relief valve from the filter housing. Note its orientation for correct installation of the new valve.
4. **Prepare the new valve:** Inspect the new Pentair 98209800 valve for any damage. Ensure the O-rings are properly seated. Applying a small amount of silicone lubricant to the O-rings can aid in sealing and future removal.
5. **Install the new valve:** Insert the new relief valve into the designated port on the filter housing. Secure it by screwing it in or clipping it into place, depending on your filter model. Do not overtighten.
6. **Check connections:** Ensure all connections are snug and secure.
7. **Restore power and check for leaks:** Turn the pump back on and carefully observe the new valve for any leaks. If leaks occur, turn off the pump, depressurize, and re-check the installation.

5. Operating Instructions

The manual relief valve is primarily used to release trapped air from the filter system and to depressurize the system for maintenance.

Bleeding Air from the Filter:

1. Ensure the pump is running and water is circulating.
2. Slowly open the manual relief valve by turning the handle or pulling the cap until a steady stream of water (without air bubbles) emerges.
3. Once all air has been expelled, close the valve securely.
4. Monitor the pressure gauge. The pressure should stabilize.



Figure 2: Detailed view of the pressure gauge, indicating pressure in PSI and Bar, with markings for 'START' and 'CLEAN FILTER'.

Depressurizing for Maintenance:

1. Turn off the pool pump.
2. Slowly open the manual relief valve to release all pressure from the filter system. Wait until the pressure gauge reads zero and no more air or water is expelled.
3. Once depressurized, you can safely proceed with filter cleaning or other maintenance tasks.

6. Maintenance

Regular maintenance ensures the longevity and proper function of your relief valve.

- **Inspect O-rings:** Periodically check the O-rings for cracks, wear, or damage. Replace them if necessary to prevent leaks.
- **Clean the valve:** If debris accumulates around the valve mechanism, carefully clean it to ensure smooth operation.
- **Pressure Gauge:** Monitor the pressure gauge for consistent readings. A faulty gauge may indicate a need for replacement.

7. Troubleshooting

Problem	Possible Cause	Solution
Water leaking from valve	Damaged or improperly seated O-ring; valve not fully closed; debris in valve mechanism.	Turn off pump, depressurize. Inspect and replace O-rings if damaged. Ensure valve is fully closed. Clean any debris.
Valve difficult to open/close	Mineral buildup or debris.	Turn off pump, depressurize. Remove valve and clean thoroughly. Lubricate O-rings.
Pressure gauge not reading correctly	Faulty gauge; clogged port.	Verify system pressure with another gauge if possible. Inspect gauge port for blockages. If gauge is faulty, replace the entire valve assembly.
Air not bleeding from system	Valve clogged; pump not running; air leak elsewhere in system.	Ensure pump is running. Check valve for blockages. Inspect other system components for air leaks.

8. Specifications

Brand: Pentair

Model Number: 98209800

Color: White

Material: Acrylonitrile Butadiene Styrene (ABS)

Product Dimensions: 6"L x 8.5"W x 2.75"H

Power Source: Manual

Item Weight: 4.8 ounces (0.3 Pounds)

Maximum Flow Rate: 60 Gallons Per Minute

UPC: 788379682422, 851057006008, 703570502027, 703570108922, 789610254392

9. Warranty and Support

For warranty information or technical support, please refer to the official Pentair website or contact Pentair customer service directly. Keep your purchase receipt as proof of purchase.
Pentair Official Website: www.pentair.com

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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