

Pentair 261152

Pentair 261152 2-Inch Threaded Multiport Valve Instruction Manual

Model: 261152 | **Brand:** Pentair

1. PRODUCT OVERVIEW

The Pentair 261152 2-Inch Threaded Multiport Valve is a replacement component designed for use with Pentair FNS, FNS Plus, and Nautilus Plus D.E. (Diatomaceous Earth) pool and spa filters. This valve facilitates various operational modes for your filtration system, ensuring efficient water circulation and cleaning.

Key features include:

- Designed for easy operation.
- Constructed with a durable PVC body.
- Features a six-position, positive-lock operation for secure mode selection.
- Includes a special winterizing position for off-season preparation.



Image 1.1: Overview of the Pentair 261152 Multiport Valve integrated into a D.E. pool filter system. The valve is visible on the side of the large cylindrical filter tank, connected by white PVC pipes to a pump and other pool equipment.

2. SETUP AND INSTALLATION

Proper installation of the multiport valve is crucial for optimal performance and to prevent leaks. It is recommended that installation be performed by a qualified pool professional.

2.1 Pre-Installation Checks

- Ensure the pool pump is turned off and disconnected from power.
- Drain the filter tank if it contains water.
- Verify that the new valve matches the specifications of your existing filter system (Pentair FNS, FNS Plus, or Nautilus Plus D.E. filters).

2.2 Installation Steps

1. Carefully remove the old multiport valve from the filter and plumbing.
2. Clean any debris or old sealant from the filter tank opening and pipe connections.
3. Apply Teflon tape or a suitable pipe sealant to all threaded connections to ensure a watertight seal.
4. Attach the new Pentair 261152 Multiport Valve to the filter tank, ensuring it is securely fastened and

oriented correctly.

5. Connect the plumbing lines from the pump, return, and waste ports to the corresponding inlets/outlets on the valve. Use appropriate unions and clamps as needed.
6. Hand-tighten connections first, then use a wrench for a snug fit, being careful not to over-tighten, which can crack the housing.
7. Once all connections are secure, slowly fill the pool filter system with water and check for any leaks before turning on the pump.

3. OPERATING THE MULTIPOINT VALVE

The Pentair 261152 Multiport Valve features a six-position handle for various operational modes. **Always turn off the pool pump before changing the valve position to prevent damage to the system.**

- **FILTER:** This is the standard operating position for daily filtration. Water flows from the pool, through the filter, and back to the pool.
- **BACKWASH:** Used to clean the D.E. filter grids. Water flow is reversed, flushing accumulated debris out through the waste port.
- **RINSE:** After backwashing, this position is used to rinse the filter grids and plumbing, sending the rinse water out through the waste port before returning to FILTER mode.
- **WASTE:** Bypasses the filter and sends water directly out through the waste port. Useful for vacuuming heavy debris directly to waste or lowering pool water level.
- **RECIRCULATE:** Bypasses the filter and circulates water directly back to the pool. Used for chemical distribution when filtration is not desired.
- **WINTERIZE:** A special position to prepare the valve and filter for winter shutdown, typically by draining water from the valve to prevent freezing.

Your browser does not support the video tag.

Video 3.1: This video provides an overview of the Pentair D.E. filter system and the multiport valve, demonstrating its function in filtering pool water. It highlights the flow of water through the system and the purpose of the filter.

4. MAINTENANCE

Regular maintenance of your multiport valve and D.E. filter system is essential for clear pool water and extended equipment life. The primary maintenance task for a D.E. filter system is backwashing and recharging with D.E. powder.

4.1 Backwashing and Rinsing Procedure

1. **Turn off the pump:** Always ensure the pump is off before touching the multiport valve handle.
2. **Set to BACKWASH:** Move the valve handle to the "BACKWASH" position.
3. **Turn on the pump:** Run the pump for 1-3 minutes, or until the waste water (visible through a sight glass, if present) runs clear.
4. **Turn off the pump:** Once backwashing is complete, turn off the pump.
5. **Set to RINSE:** Move the valve handle to the "RINSE" position.
6. **Turn on the pump:** Run the pump for 30-60 seconds to rinse the filter.
7. **Turn off the pump:** Turn off the pump after rinsing.
8. **Set to FILTER:** Return the valve handle to the "FILTER" position.
9. **Recharge with D.E.:** Add the appropriate amount of D.E. powder (as specified by your filter manufacturer) to the skimmer while the pump is running in FILTER mode.

Perform backwashing every 1 to 2 months, or more frequently if the pool water becomes cloudy or the filter pressure gauge indicates a significant increase (typically 8-10 PSI above clean operating pressure).

Your browser does not support the video tag.

Video 4.1: This video focuses on the D.E. filter valve, demonstrating its various settings and how to operate it for maintenance tasks like backwashing. It provides a close-up view of the valve's handle and position indicators.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your multiport valve.

5.1 Leaks from the Valve

- **Issue:** Water leaking from the valve handle or around the valve body.
- **Possible Cause:** Worn internal gaskets (spider gasket) or O-rings, loose connections.
- **Solution:**
 - a. Ensure all threaded connections are properly tightened (do not over-tighten).
 - b. Inspect the spider gasket under the valve cover for cracks or wear. Replacement may be necessary.
 - c. Check O-rings on unions and connections for damage and replace if needed.

5.2 Poor Filtration or Cloudy Water

- **Issue:** Pool water remains cloudy despite running the filter.
- **Possible Cause:** Insufficient D.E. powder, clogged filter grids, improper backwashing, or valve set to the wrong position.
- **Solution:**
 - a. Verify the valve is set to "FILTER" mode.
 - b. Perform a thorough backwash and rinse cycle, then recharge with the correct amount of D.E. powder.
 - c. If issues persist, the filter grids may need manual cleaning or replacement. Consult your D.E. filter manual for instructions.

5.3 Valve Handle is Stiff or Stuck

- **Issue:** Difficulty moving the valve handle between positions.
- **Possible Cause:** Debris lodged in the valve, worn internal components, or lack of lubrication.
- **Solution:**
 - a. Ensure the pump is off before attempting to move the handle.
 - b. Try gently wiggling the handle while applying slight pressure. Do not force it.
 - c. If the problem persists, the valve may need to be disassembled and inspected for debris or damaged parts. This may require professional assistance.

6. SPECIFICATIONS

Brand	Pentair
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Model Number	261152
Connection Size	2-Inch Threaded
Compatible Filters	Pentair FNS, FNS Plus, Nautilus Plus D.E. Filters
Item Dimensions (L x W x H)	19.8 x 11.3 x 9.5 inches
Item Weight	8 Pounds
Material	PVC Body

7. WARRANTY INFORMATION

The Pentair 261152 Multiport Valve comes with a **1-Year Manufacturer Warranty**. For complete details regarding warranty coverage, terms, and conditions, please refer to the official warranty documentation provided with your product or visit the official Pentair website. Keep your proof of purchase for warranty claims.

8. SUPPORT AND CONTACT

If you require further assistance, have questions about installation, operation, or maintenance, or need to report a product issue, please contact Pentair Customer Service. You can find contact information and additional resources on the official Pentair website:

[Visit Pentair Official Website](#)

When contacting support, please have your product model number (261152) and proof of purchase readily available.