Pentair 262506

Pentair 262506 6-Way Clamp Style Valve Instruction Manual

For Pool and Spa Sand Filters

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Pentair 262506 1-1/2-Inch 6-Way Clamp Style Valve. This valve is designed as a replacement part for pool and spa sand filters, ensuring proper water flow and filtration.
Please read these instructions thoroughly before attempting any installation or operation to ensure safe and efficient use of the product.

Important Safety Information

WARNING:

- Always disconnect power to the pump before servicing the valve or filter system.
- Ensure all pressure is relieved from the system before opening the valve or filter.
- Use appropriate personal protective equipment (PPE) during installation and maintenance.
- Consult a qualified pool professional if you are unsure about any steps.

This product may expose you to chemicals including Styrene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Product Overview

The Pentair 262506 valve is a 6-way clamp style valve designed for top-mount sand filters. It allows for various operational modes to manage your pool or spa filtration system effectively.



Figure 1: Pentair 262506 6-Way Clamp Style Valve with clamp halves, pressure gauge, screws, and O-ring.



Figure 2: Detailed view of the Pentair 262506 valve, highlighting the handle and port connections.



Figure 3: The separate components included with the valve: clamp halves, pressure gauge, mounting screws, and O-ring.

Setup and Installation

Tools Required:

- Screwdriver (Phillips or flathead, depending on clamp screws)
- Plumber's tape or thread sealant
- Wrenches (if connecting threaded pipes)

Installation Steps:

1. **Prepare the System:** Turn off the pool pump and disconnect all power. Close any isolation valves to prevent water flow. Relieve all pressure from the filter system by opening the air relief valve.
2. **Remove Old Valve (if applicable):** Carefully remove the existing valve by loosening the clamp band around the filter tank. Disconnect all plumbing connections. Note the orientation of the old valve and plumbing for easier re-installation.
3. **Inspect Filter Tank and Laterals:** Ensure the filter tank opening is clean and free of debris. Verify that the standpipe and laterals inside the filter tank are properly seated and undamaged. A common issue is the standpipe lifting when the old valve is removed, which must be corrected before installing the new valve.
4. **Install New O-Ring:** Place the new O-ring (included with the valve) onto the bottom flange of the valve, ensuring it is seated correctly.
5. **Position the Valve:** Carefully lower the new Pentair 262506 valve onto the filter tank's standpipe. Ensure the valve is properly aligned with the tank opening and the standpipe. The valve's ports should be oriented correctly for your plumbing.
6. **Secure the Clamp:** Place the two halves of the clamp band around the valve flange and the filter tank flange. Insert the screws and nuts, and tighten them evenly until the clamp is secure. Do not overtighten, as this can damage the valve or tank.
7. **Connect Plumbing:** Reconnect the plumbing lines to the appropriate ports on the valve. The ports are typically labeled: *Pump* (from pump), *Return* (to pool/spa), and *Waste* (drain). Use plumber's tape or thread sealant on all threaded connections to prevent leaks.
8. **Install Pressure Gauge:** Thread the pressure gauge into the designated port on the valve. Hand-tighten only, do

not overtighten.

9. **Final Checks:** Ensure all connections are tight and the valve handle moves freely between positions.

Operating Instructions

The Pentair 262506 6-Way Valve offers multiple functions for your pool or spa filtration system.**Always turn off the pump before changing valve positions.**

Valve Positions:

- **FILTER:** Normal filtering mode. Water flows from the pump, through the filter, and back to the pool.
- **BACKWASH:** Used for cleaning the filter media. Water flows through the filter in reverse, flushing trapped debris out the waste port.
- **RINSE:** Used after backwashing to flush out any remaining dirty water from the filter and settle the sand. Water flows through the filter and out the waste port.
- **WASTE/DRAIN:** Bypasses the filter, sending water directly from the pump out the waste port. Useful for lowering pool water level or vacuuming heavy debris directly to waste.
- **RECIRCULATE/BYPASS:** Bypasses the filter, circulating water directly from the pump back to the pool. Useful for circulating chemicals without filtering.
- **CLOSED/WINTERIZE:** Closes all ports. Used for servicing the pump or filter, or for winterizing the system.*Never operate the pump with the valve in the CLOSED position.*

Starting the System:

1. Ensure the valve is in the**FILTER** position.
2. Open the air relief valve on the filter.
3. Turn on the pump.
4. Once a steady stream of water emerges from the air relief valve, close it.
5. Note the initial pressure gauge reading. This is your "clean filter" pressure.

Maintenance

Backwashing the Filter:

Backwash your filter when the pressure gauge reading is 8-10 PSI above your clean filter pressure, or when water clarity diminishes.

1. Turn off the pump.
2. Move the valve handle to the**BACKWASH** position.
3. Turn on the pump. Backwash for 2-3 minutes, or until the water in the sight glass (if equipped) runs clear.
4. Turn off the pump.
5. Move the valve handle to the**RINSE** position.
6. Turn on the pump. Rinse for 30-60 seconds.
7. Turn off the pump.
8. Move the valve handle back to the**FILTER** position.
9. Turn on the pump and note the new pressure reading.

Winterizing:

For areas subject to freezing temperatures, proper winterization is crucial to prevent damage to the valve and filter system.

- Drain all water from the filter tank and plumbing lines.
- Set the valve to the **WINTERIZE** or **CLOSED** position (if available and appropriate for your system, otherwise leave it in a position that allows for drainage, or remove the drain plug).
- Remove the pressure gauge and store it in a warm, dry place.
- Consult your filter manual for specific winterization procedures.

Troubleshooting

Problem	Possible Cause	Solution
Water leaking from valve connections	Loose clamp band, damaged O-ring, improper plumbing connections, cracked valve body.	Tighten clamp band evenly. Inspect and replace O-ring if damaged. Re-tape/seal threaded connections. Inspect valve for cracks; replace if necessary.
Low water flow to pool	Clogged filter, valve not fully in FILTER position, pump issues.	Backwash filter. Ensure valve handle is firmly in FILTER position. Check pump basket and impeller.
Water flowing out waste port in FILTER mode	Valve internal seal (spider gasket) damaged or dislodged.	Requires replacement of the spider gasket. Consult a professional or refer to specific valve repair guides.
Pressure gauge not working or reading incorrectly	Gauge is faulty or clogged.	Remove and clean the gauge port. Replace the pressure gauge if it remains inaccurate.

Specifications

- **Model:** Pentair 262506
- **Valve Type:** 6-Way Clamp Style
- **Port Size:** 1-1/2 Inch
- **Valve Location:** Top Mount
- **Compatibility:** Designed for Pentair pool and spa sand filters
- **Product Dimensions:** 9 x 16 x 8.5 inches
- **Item Weight:** 1 pound

Warranty and Support

For warranty information and technical support, please contact Pentair customer service or visit the official Pentair website. Keep your purchase receipt as proof of purchase.
Pentair Official Website: www.pentair.com
Customer Service: Refer to the Pentair website for regional contact information.

© 2025 Pentair. All rights reserved. Information subject to change without notice.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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.

Submit question