

Pentair 263029

Pentair 263029 2-Way Diverter Valve Instruction Manual

Model: 263029

1. INTRODUCTION

The Pentair 263029 Diverter Valve is engineered for reliable performance in various pool and spa applications. This manual provides essential information for the correct installation, operation, and maintenance of your valve, ensuring optimal functionality and longevity.



Image 1.1: Pentair 263029 2-Way Diverter Valve. This image displays the grey/black PVC diverter valve with its handle and port connections.

Key Features:

- Available in CPVC or PVC materials for diverse plumbing needs.
- Features a maintenance-free Teflon coated diverter seal for smooth operation.
- Designed for optimum positive-seal, preventing leaks and ensuring efficient flow.
- Achieves a high flow rate for effective water management.
- Equipped with a fiberglass reinforced handle for durability and ease of use.

2. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your Pentair diverter valve. It is recommended that installation be performed by a qualified professional.

General Installation Guidelines:

1. Ensure all system components are turned off and depressurized before beginning installation.
2. Select an appropriate location that allows for easy access for operation and maintenance.
3. Use appropriate PVC or CPVC solvent cement and primer for secure connections, following manufacturer guidelines for curing times.
4. Orient the valve correctly according to the desired flow path. The valve typically has directional arrows or markings.
5. Support the plumbing to prevent stress on the valve body and connections.
6. After installation, slowly pressurize the system and check for any leaks.

3. OPERATING INSTRUCTIONS

The Pentair 263029 is a 2-way diverter valve, meaning it can direct flow between two different paths or shut off one path while allowing flow through the other. The fiberglass reinforced handle allows for manual control of the diverter seal.

Valve Operation:

- To change the flow direction, firmly grasp the handle and rotate it to the desired position.
- The handle's position indicates which port is open or closed. Refer to any markings on the valve body for specific flow configurations.
- Avoid forcing the handle if it feels stiff. Ensure the system is not under excessive pressure when attempting to change valve positions.
- For systems with multiple valves, ensure proper sequencing of valve adjustments to prevent damage to pumps or other equipment.

4. MAINTENANCE

The Pentair 263029 Diverter Valve is designed for low maintenance, featuring a Teflon coated diverter seal. Regular inspection can help ensure its continued performance.

Recommended Maintenance:

- **Visual Inspection:** Periodically check the valve body and connections for any signs of cracks, leaks, or wear.
- **Seal Integrity:** While the Teflon seal is maintenance-free, if you notice any persistent leaks around the handle or diverter shaft, inspect the seal for damage.
- **Lubrication:** If the handle becomes difficult to turn, a small amount of silicone-based lubricant (safe for pool/spa equipment) can be applied to the diverter shaft O-rings. Avoid petroleum-based lubricants.
- **Winterization:** In colder climates, ensure the valve is properly drained and protected from freezing temperatures to prevent damage.

5. TROUBLESHOOTING

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

Common Issues and Solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Valve Leaks	Damaged O-rings or diverter seal, loose connections, cracked valve body.	Inspect and replace O-rings/seal. Tighten connections. If valve body is cracked, replacement is necessary.
Handle Stiff/Hard to Turn	Lack of lubrication, debris in the valve, excessive system pressure.	Lubricate O-rings with silicone lubricant. Turn off pump and relieve pressure before attempting to turn. Inspect for debris.
Improper Flow Direction	Incorrect handle position, internal diverter damage.	Verify handle position matches desired flow. If issue persists, internal inspection may be required.

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

6. SPECIFICATIONS

Specification	Detail
Model Number	263029
Brand	Pentair
Material	PVC
Number of Ports	2
Inlet Connection Size	1/2 Inches
Inlet Connection Type	Chlorinated Polyvinyl Chloride
Outlet Connection Size	2.5 Inches
Outlet Connection Type	Solvent Weld
Maximum Operating Pressure	150 PSI (Pound per Square Inch)
Product Dimensions (L x W x H)	7.2 x 6.8 x 3.7 inches
Item Weight	1.6 pounds

7. WARRANTY AND SUPPORT

For specific warranty information regarding your Pentair 263029 Diverter Valve, please refer to the warranty card included with your product or visit the official Pentair website. Keep your proof of purchase for warranty claims.

Customer Support:

If you require technical assistance, have questions about installation, operation, or maintenance, or need to report a product issue, please contact Pentair customer support through their official channels. Contact information can typically be found on the product packaging or the Pentair website.

Online Resources: Visit the official Pentair website for product documentation, FAQs, and support resources.

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