

Waterco WC228053

Waterco Multiport Valve User Manual

Model: WC228053 | Brand: Waterco

INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of your Waterco Multiport Valve, Model WC228053. This 6-position top mount valve is designed for use with pool filtration systems. Please read all instructions carefully before proceeding with installation or operation to ensure proper function and longevity of the product.

SAFETY INFORMATION

- Always disconnect power to the pump before performing any service or maintenance on the valve or filter system.
- Do not operate the valve if any parts are damaged or missing.
- Ensure all connections are secure and watertight to prevent leaks.
- Never shift the valve handle while the pump is running, unless specifically instructed for a particular function (e.g., backwash cycle transition). Refer to operating instructions.
- Keep children away from pool equipment during operation and maintenance.

SETUP AND INSTALLATION

The Waterco Multiport Valve WC228053 is a 2-inch top mount valve designed for easy integration with compatible pool filters. Follow these steps for proper installation:

1. **Prepare the Filter Tank:** Ensure the filter tank is clean and free of debris. The valve will mount directly to the top opening of the filter tank.
2. **Inspect Gasket and Connections:** Verify that the valve gasket is clean and properly seated. Inspect all union connections for any sand particles or obstructions.
3. **Attach Valve to Filter:** Carefully place the multiport valve onto the filter tank opening, aligning the standpipe inside the filter with the valve's internal connection. Ensure a snug fit.
4. **Secure the Valve:** Tighten the nuts or bolts that secure the valve to the filter tank. Tighten them with fingers first, then in a sequence similar to tightening a car tire (cross-pattern) to ensure even pressure. The bolts should be fairly evenly tightened and are not to be over-tightened.

5. **Connect Plumbing:** Connect the pool plumbing lines to the appropriate ports on the valve. The valve features 2-inch union connections for inlet and NPT for outlet. Ensure all connections are sealed properly using appropriate thread sealant or PVC cement as required by your plumbing type.
6. **Pressure Test:** After installation, perform a pressure test to check for leaks before operating the system.



Image: Side view of the Waterco Multiport Valve showing a warning label regarding proper tightening of bolts and ensuring clean gaskets.



Image: Close-up of the 2-inch union connectors used for plumbing connections on the Waterco Multiport Valve.

OPERATING INSTRUCTIONS

The Waterco Multiport Valve features six distinct positions, each serving a specific function in your pool's filtration system. **Always ensure the pump is OFF before changing valve positions, unless specifically indicated on the valve or in this manual.**



Image: Top view of the Waterco Multiport Valve, clearly showing the handle and the six operational positions labeled around the valve head.



Image: Another overhead view of the Waterco Multiport Valve, providing a clear perspective of the handle and the various settings for pool operation.

- **FILTER:** This is the normal operating position for filtering the pool water. Water flows through the filter media, trapping debris, and returns clean water to the pool.
- **BACKWASH:** Used for cleaning the filter media. Water flow is reversed, flushing trapped debris out through the waste line. **Shift handle while pump is running for this function.**
- **RINSE:** After backwashing, this position is used to rinse the filter media and settle it, sending the rinse water to waste. This prevents dirty water from returning to the pool.
- **WASTE:** Bypasses the filter and sends water directly out through the waste line. Useful for vacuuming heavy debris directly to waste or lowering the pool water level.
- **RECIRCULATE:** Bypasses the filter and circulates water directly back to the pool. Useful for mixing chemicals without filtering.
- **CLOSE:** Shuts off all flow through the valve. Use this position when performing maintenance on the pump or filter, or when the system is not in use for extended periods.
- **WINTER:** This position is typically used for winterizing the pool system, allowing for drainage and preventing water from freezing inside the valve.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your multiport valve.

- **Routine Inspection:** Periodically inspect the valve for any signs of wear, cracks, or leaks. Check the pressure gauge (if applicable) for abnormal readings.
- **Gasket Care:** The internal gasket (spider gasket) is crucial for proper sealing. If you notice leaks or difficulty in changing positions, the gasket may need cleaning or replacement. Ensure the gasket is clean and free of any sand particles during installation or reassembly.
- **Handle Operation:** If the handle becomes stiff, ensure the pump is off, then gently try to rotate it through all positions. Do not force the handle.

- **Winterization:** Follow specific winterization procedures for your pool system, which typically involves draining water from the filter and valve to prevent freeze damage.

TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Water leaking from valve handle	Worn O-rings or stem gasket	Replace O-rings or stem gasket.
Water leaking from valve ports	Loose connections, damaged union nuts, or cracked housing	Tighten connections, inspect and replace damaged parts.
Poor filtration/dirty water returning to pool	Valve not fully seated in FILTER position, or spider gasket damage	Ensure handle is firmly in FILTER. Inspect and replace spider gasket if damaged.
Difficulty moving handle	Internal debris, worn parts, or dry O-rings	Turn off pump. Inspect for debris. Lubricate O-rings with silicone lubricant.

SPECIFICATIONS

Detailed specifications for the Waterco Multiport Valve WC228053:

Brand: Waterco

Model Number: WC228053

Valve Type: Multiport Valve

Mount Type: Top Mount

Number of Ports: 6

Inlet Connection Size: 2 Inches

Inlet Connection Type: Union

Outlet Connection Size: 2 Inches

Outlet Connection Type: NPT

Item Dimensions (L x W x H): 16 x 12.7 x 11.7 inches

Item Weight: 11 Pounds

Manufacturer: Waterco

UPC: 753610336259



Image: Side view of the Waterco Multiport Valve, indicating it has been wet tested at 4 BAR pressure.

WARRANTY INFORMATION

For specific warranty details regarding your Waterco Multiport Valve WC228053, please refer to the warranty documentation provided at the time of purchase or contact Waterco directly. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

SUPPORT

If you require further assistance, have questions not covered in this manual, or need to order replacement parts, please contact:

- Your authorized Waterco dealer or point of purchase.
- Waterco Customer Service (refer to Waterco's official website for contact information).

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