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## Astralpool 22358

# Astralpool Multiport Valve NPT Top Mount 1-1/2in. User Manual

Model: 22358

## PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your Astralpool Multiport Valve NPT, Top Mount 1-1/2". This valve is designed for use with pool and spa filtration systems, allowing for various operational modes to manage water flow and filtration processes effectively.

The Astralpool Multiport Valve is a critical component for maintaining clean and clear pool water, offering robust construction and reliable performance.



Figure 1: Front view of the Astralpool Multiport Valve, showing the handle and main body.

## SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of the multiport valve. Always ensure the pump is turned off and depressurized before beginning installation.

### 1. Pre-Installation Checks

- Verify that the valve model (22358) matches your filter system requirements.

- Ensure all necessary plumbing fittings (1-1/2" NPT) are available and in good condition.
- Inspect the valve for any visible damage from shipping.

## 2. Mounting the Valve

The valve is designed for top-mount installation on compatible sand filters. The valve typically connects to the filter tank via a central pipe (standpipe) and secures with a clamp or threaded connection.

1. Ensure the filter tank's standpipe is clean and free of debris.
2. Carefully lower the multiport valve onto the standpipe, ensuring a snug fit.
3. Align the valve's ports with the corresponding plumbing lines (pump, return, waste).
4. Secure the valve to the filter tank using the provided clamp or threading, ensuring a watertight seal. Do not overtighten.



Figure 2: Side view of the multiport valve, highlighting the various connection ports for plumbing.

## 3. Plumbing Connections

Connect the pool plumbing to the valve's ports. The valve features NPT (National Pipe Tapered) connections for secure, leak-free attachment.

- **PUMP/INLET:** Connect the pipe coming from the pool pump.
- **RETURN/OUTLET:** Connect the pipe leading back to the pool.
- **WASTE:** Connect the pipe leading to a waste line or drain.

### Caution:

- Use appropriate thread sealant (e.g., PTFE tape or pipe dope) on all threaded connections.
- Ensure all connections are tight but do not overtighten, which can damage the plastic threads.
- Verify there are no leaks before operating the system.



Figure 3: Rear view of the multiport valve, showing caution labels and additional ports.

## OPERATING INSTRUCTIONS

**Important: Always turn off the pump before changing the valve position to prevent damage to the valve or plumbing system.**

The multiport valve has several positions, each serving a specific function:

Position	Function	Description
<b>FILTER</b>	Normal Filtration	Water flows through the filter media, trapping debris, and returns to the pool. This is the standard operating position.
<b>BACKWASH</b>	Filter Cleaning	Reverses water flow through the filter to dislodge trapped debris, which is then sent to the waste line. Perform when filter pressure rises.
<b>RINSE</b>	Post-Backwash Rinse	After backwashing, this position settles the filter media and flushes any remaining dirty water to waste before returning to FILTER.
<b>WASTE/DRAIN</b>	Direct to Waste	Bypasses the filter and sends water directly from the pump to the waste line. Used for vacuuming heavy debris directly to waste or lowering pool water level.
<b>RECIRCULATE/BYPASS</b>	Circulate Without Filter	Water bypasses the filter and circulates directly back to the pool. Useful for distributing chemicals without filtering.
<b>CLOSED/WINTERIZE</b>	System Shut-off	Closes all flow to the filter and pool. Used for servicing the pump or filter, or for winterizing the system. Never operate the pump with the valve in this position.



Figure 4: Top view of the multiport valve, showing the handle and the labeled positions for operation.

## MAINTENANCE

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

### 1. Gasket and O-Ring Inspection

- Periodically inspect the spider gasket inside the valve and the O-rings on the handle and connections for cracks, wear, or deformation.
- Replace worn gaskets or O-rings immediately to prevent leaks and ensure proper valve function.

### 2. Lubrication

- Apply a silicone-based lubricant (pool-specific) to the handle O-rings and any other moving parts that come into contact with water, as needed. This helps maintain smooth operation and prevents premature wear.

### 3. Winterization (if applicable)

- In freezing climates, ensure the valve is drained completely to prevent ice damage.
- Set the valve to the "Winterize" or "Closed" position (if available and recommended by filter manufacturer) or an "open" position to allow water to drain. Consult your filter manual for specific winterization procedures.



Figure 5: Bottom view of the multiport valve, showing the internal structure and connection point to the filter standpipe.

## TROUBLESHOOTING

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

Problem	Possible Cause	Solution
<b>Water leaking from valve handle or ports</b>	Worn O-rings or spider gasket; loose connections.	Inspect and replace O-rings/gasket. Tighten plumbing connections. Ensure clamp is secure.
<b>Poor filtration or cloudy water</b>	Valve not fully seated in FILTER position; clogged filter media; damaged spider gasket.	Ensure valve handle is firmly in FILTER. Backwash and rinse filter. Inspect and replace spider gasket if damaged.
<b>Difficulty changing valve positions</b>	Lack of lubrication; debris in valve; worn internal components.	Ensure pump is off. Apply silicone lubricant to handle O-rings. Inspect for debris. If issue persists, internal components may need replacement.
<b>Water continuously flowing to waste</b>	Damaged spider gasket; valve stuck in WASTE position.	Inspect and replace spider gasket. Ensure valve handle is firmly in desired position.

## SPECIFICATIONS

- Brand:** Astralpool
- Model Number:** 22358
- Valve Type:** Multi Port Valve
- Inlet Connection Type:** National Pipe Tapered (NPT)
- Connection Size:** 1-1/2 inches
- Material:** Metal (likely referring to internal components or specific parts, main body is typically durable plastic)
- Exterior Finish:** Brass (likely referring to specific fittings or internal components)
- Product Dimensions (L x W x H):** 14.1 x 5.3 x 5.3 inches
- Manufacturer:** FLUIDRA USA

## WARRANTY INFORMATION

Specific warranty terms for the Astralpool Multiport Valve Model 22358 are provided by the manufacturer, FLUIDRA USA. Please refer to the warranty card included with your product or visit the official Astralpool/FLUIDRA USA website for detailed warranty coverage, terms, and conditions. Keep your proof of purchase for warranty claims.

## CUSTOMER SUPPORT

For technical assistance, replacement parts, or further inquiries regarding your Astralpool Multiport Valve, please contact FLUIDRA USA customer support. Contact information can typically be found on the manufacturer's website or on the product packaging.

You may also consult with a certified pool professional for installation or complex troubleshooting.

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This manual is for informational purposes only. Always follow local codes and safety guidelines.