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ASTRALPOOL Aster 99

ASTRALPOOL Aster 99 Sand Filter with Valve Ø 600 Instruction Manual

Model: Aster 99 | Brand: ASTRALPOOL

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your ASTRALPOOL Aster 99 Sand Filter with Valve Ø 600. Please read these instructions thoroughly before attempting to install or operate the filter. Retain this manual for future reference.

1.1. Safety Information

- Always disconnect power to the pump before performing any maintenance or service.
- Ensure all connections are secure and watertight to prevent leaks.
- Do not operate the filter if any part is damaged or missing.
- Keep children away from the filtration system during operation and maintenance.
- Consult a qualified professional for installation if you are unsure about any steps.

2. PRODUCT OVERVIEW AND COMPONENTS

The ASTRALPOOL Aster 99 Sand Filter is designed for efficient swimming pool water filtration. It consists of a durable filter tank and a multi-port valve that controls the water flow through the system.



Figure 1: ASTRALPOOL Aster 99 Sand Filter and Multi-port Valve. The image displays the main filter tank, which is a large, white, spherical unit, alongside a separate black multi-port valve with a handle, used for directing water flow.

2.1. Main Components:

- **Filter Tank:** The main body where the filter media (sand) is contained.
- **Multi-port Valve:** Controls the operational modes of the filter (e.g., filter, backwash, rinse).
- **Pressure Gauge:** Indicates the internal pressure of the filter, crucial for determining when backwashing is needed.
- **Drain Plug:** Located at the bottom of the tank for draining water.

3. SPECIFICATIONS

Understanding the dimensions and characteristics of your filter is important for proper installation and maintenance.

\varnothing	D (mm)	H (mm)	M (mm)	N (mm)	K (mm)
500	500	855	415	290	1 1/2"
600	600	900	455	330	
750	750	1035	555	325	2"

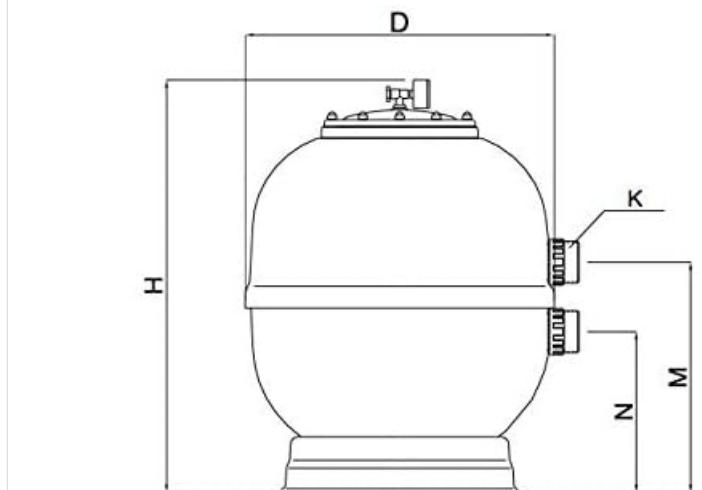


Figure 2: Dimensional diagram of the ASTRALPOOL Aster Sand Filter. This diagram illustrates the filter's height (H), diameter (D), and the positions of the inlet/outlet ports (M, N, K) with a corresponding table showing values for different filter sizes (\varnothing).

3.1. General Specifications for Ø 600 Model:

- **Diameter (D):** 600 mm
- **Height (H):** 900 mm
- **Port M (Height from base):** 455 mm
- **Port N (Height from base):** 330 mm
- **Port K (Connection Size):** 1 1/2"

3.2. Additional Product Information:

- **ASIN:** B079L868QJ
- **Date First Available:** April 29, 2025
- **Spare Parts Availability:** Information unavailable.

4. SETUP AND INSTALLATION

Proper installation is crucial for the filter's performance and longevity. Follow these steps carefully.

4.1. Site Selection

- Place the filter on a firm, level surface, preferably concrete, to prevent settling.
- Ensure adequate ventilation and protection from direct sunlight and freezing temperatures.
- Allow sufficient space around the filter for maintenance and service.

4.2. Filling with Filter Media (Sand)

1. Ensure the internal standpipe and laterals are properly assembled and secured.
2. Place a plastic bag or cover over the standpipe opening to prevent sand from entering.
3. Carefully pour the recommended amount and grade of filter sand into the tank.
4. Remove the plastic bag/cover and ensure no sand has entered the standpipe.

4.3. Multi-port Valve Installation

1. Carefully place the multi-port valve onto the filter tank, aligning the standpipe with the valve's opening.
2. Secure the valve to the tank using the provided clamp or bolts, ensuring a tight seal.
3. Connect the plumbing from the pump to the "PUMP" port on the valve.
4. Connect the plumbing to the pool return lines to the "RETURN" port on the valve.
5. Connect a waste line to the "WASTE" port on the valve, directing water to an appropriate drainage area.
6. Install the pressure gauge into the designated port on the valve.

5. OPERATING INSTRUCTIONS

The multi-port valve controls the filter's functions. Always turn off the pump before changing the valve position to prevent damage.

5.1. Multi-port Valve Positions

- **FILTER:** Normal filtering mode. Water flows through the sand, is cleaned, and returned to the pool.
- **BACKWASH:** Cleans the filter sand. Water flows in reverse, flushing trapped debris out the waste line.
- **RINSE:** Used after backwashing to settle the sand and flush any remaining dirty water to waste before returning to FILTER mode.
- **WASTE/DRAIN:** Bypasses the filter, sending water directly from the pool to the waste line. Useful for vacuuming heavy debris or lowering pool water level.
- **RECIRCULATE:** Bypasses the filter, circulating water directly back to the pool. Useful for chemical distribution without filtering.
- **CLOSED:** Shuts off all flow to the filter. Use for servicing the pump or filter.

5.2. Initial Startup (First Backwash)

1. Ensure the pool is filled to the proper level and all plumbing connections are secure.
2. Set the multi-port valve to **BACKWASH**.
3. Turn on the pump. Backwash for 2-3 minutes, or until the water in the sight glass (if present) runs clear.
4. Turn off the pump.
5. Set the multi-port valve to **RINSE**.
6. Turn on the pump. Rinse for 30-60 seconds.
7. Turn off the pump.
8. Set the multi-port valve to **FILTER**.
9. Turn on the pump. Note the initial pressure gauge reading; this is your clean filter pressure.

6. MAINTENANCE

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

6.1. Backwashing

Backwash the filter when the pressure gauge reading is 8-10 PSI (0.5-0.7 bar) above the clean filter pressure, or when pool water clarity decreases. Follow the steps outlined in "5.2. Initial Startup (First Backwash)" for each backwash cycle.

6.2. Winterization (if applicable)

1. Turn off the pump and disconnect power.
2. Set the multi-port valve to **WINTERIZE** (if available) or an intermediate position between two settings to relieve pressure on the gasket.
3. Remove the drain plug at the bottom of the filter tank to completely drain all water.
4. Disconnect all plumbing lines and store them in a dry, frost-free area.
5. Remove the pressure gauge and store it indoors.
6. Cover the filter to protect it from elements.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your sand filter.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Low water flow / High pressure	Clogged filter sand; pump strainer basket full; closed valve.	Backwash the filter; clean pump strainer basket; check valve position.
Cloudy pool water	Insufficient filtration time; dirty filter sand; improper chemical balance; damaged laterals.	Increase filtration time; backwash/rinse filter; test and adjust pool chemistry; inspect laterals for damage.
Water leaking from valve	Worn spider gasket; loose connections.	Replace spider gasket; tighten connections.
Sand returning to pool	Damaged laterals; too much sand; improper sand grade.	Inspect and replace damaged laterals; ensure correct sand level and grade.

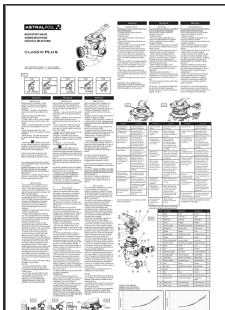
8. WARRANTY AND SUPPORT

Specific warranty details for the ASTRALPOOL Aster 99 Sand Filter with Valve Ø 600 are not provided within this manual. For warranty claims, technical support, or to inquire about spare parts, please contact your authorized ASTRALPOOL dealer or the manufacturer directly. Please have your product model and purchase date available when contacting support.

The ASIN for this product is B079L868QJ.

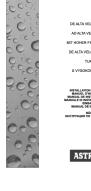
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Related Documents - Aster 99



[AstralPool Classic Plus Multiport Valve: Installation, Maintenance, and Troubleshooting Guide](#)

Detailed guide for the AstralPool Classic Plus multiport valve (model 73950-1000). Covers valve operations, step-by-step installation, essential maintenance procedures, a complete parts list, and common troubleshooting solutions for swimming pool filter systems.

	<p>AstralPool Sand Filter Installation and Maintenance Manual</p> <p>Comprehensive guide for installing, operating, and maintaining AstralPool sand filters for swimming pools, covering water chemistry, filtration principles, troubleshooting, and safety.</p>
	<p>Astralpool Adjustable Bottom Nozzle Installation and Maintenance Manual</p> <p>Comprehensive guide for installing and maintaining the Astralpool Adjustable Bottom Nozzle, covering product features, step-by-step installation, assembly, start-up, and technical specifications for optimal swimming pool cleaning.</p>
	<p>AstralPool Sand Filter Installation and Maintenance Manual</p> <p>Comprehensive guide for the installation, operation, and maintenance of AstralPool sand filters. Learn about water chemistry, filtration principles, troubleshooting, and safety precautions for optimal pool hygiene.</p>
	<p>AstralPool QB800 Robotic Pool Cleaner: User Manual & Guide</p> <p>This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the AstralPool QB800 Robotic Pool Cleaner.</p>
	<p>Astralpool LumiPlus PAR56 Plug&Play Lamp: Installation, Operation, and Safety Manual</p> <p>Comprehensive guide for the Astralpool LumiPlus PAR56 Plug&Play underwater LED lamp, covering installation, electrical connection, operation, troubleshooting, and safety warnings. Includes technical specifications and multilingual declarations of conformity.</p>