

Hayward W3S310T2

Hayward W3S310T2 ProSeries 30-Inch Pool Sand Filter Instruction Manual

1. PRODUCT OVERVIEW

The Hayward ProSeries 30.5-Inch High-Rate Top-Mount Sand Filter utilizes an umbrella-fold self-cleaning lateral system to provide efficient flow and evenly distributed water for balanced backwashing and long-lasting performance. Engineered with corrosion-proof polymeric materials and 360° self-cleaning slotted laterals, ProSeries ensures dependable operation for in-ground pools of all types and sizes, along with in-ground spas and water features.

Key Features:

- Efficient, multilateral underdrain assembly with precision-engineered, self-cleaning 360° slotted laterals for balanced flow and backwashing, including a 2-inch filter valve.
- Integral top diffuser ensures even distribution of water over the top of the sand media bed.
- Unitized, corrosion-proof filter tank molded from rugged, colorfast polymeric material for dependable, all-weather performance.
- 6-position Hayward VariFlo control valve with an easy-to-use lever-action handle for selecting various valve/filter functions.
- Large pressure sand/water drain for rapid winterizing or servicing.

Safety Information:

Always read and follow all instructions in this manual and on the equipment. Failure to follow safety warnings and instructions can result in property damage, serious injury, or death. This product must be installed and serviced by a qualified professional. Disconnect power before servicing. Ensure proper grounding and bonding. Do not operate the filter above the maximum operating pressure specified.

2. SETUP AND INSTALLATION

Proper installation is crucial for the efficient and safe operation of your Hayward sand filter. Refer to the diagrams and instructions carefully.







This image displays the Hayward W3S310T2 ProSeries 30-Inch Pool Sand Filter. It features a robust, tan-colored tank with a black top-mount multiport valve and an integrated pressure gauge. The filter is designed for efficient pool water filtration.

2.1 Site Preparation:

- Place the filter on a firm, level surface, preferably a concrete slab.
- Ensure adequate drainage and ventilation around the filter.
- Position the filter to allow easy access for operation and maintenance.

2.2 Filter Assembly:

- Carefully unpack all components.
- Insert the standpipe with laterals into the filter tank, ensuring laterals are properly seated and spread.
- Cover the top of the standpipe to prevent sand from entering during media loading.

2.3 Media Loading:

The Hayward W3S310T2 filter requires approximately 500 pounds of filter sand (No. 20 silica sand, 0.45-0.55mm effective size). Alternatively, other approved filter media like Zeosand can be used, following manufacturer guidelines for quantity.

- Fill the tank with water to a level that covers the laterals. This cushions the laterals when adding sand.
- Slowly add the filter sand, ensuring the standpipe remains centered.
- Once the sand is loaded, remove the standpipe cover.

HAYWARD POOL SAND FILTER

FOR
IN-GROUND
POOLS

SAND
FILTER



2 IN
MULTIPORT
VALVE
INCLUDED

500 LBS
OF SAND
REQUIRED

This diagram illustrates key specifications of the Hayward Pool Sand Filter. It highlights that the filter is suitable for in-ground pools, includes a 2-inch multiport valve, and requires 500 pounds of sand media for operation.

2.4 Plumbing Connections:

- Attach the 6-position VariFlo control valve to the top of the filter tank, ensuring the O-ring is properly seated and lubricated.
- Connect the pump discharge to the 'PUMP' port on the valve.
- Connect the return line to the pool to the 'RETURN' port.
- Connect a waste line to the 'WASTE' port.
- Install the pressure gauge into the designated port on the valve.
- Ensure all connections are watertight using appropriate sealants and clamps.

3. OPERATION

The 6-position VariFlo control valve allows for various filter operations. Always turn off the pump before changing valve

positions to prevent damage.

3.1 Multiport Valve Functions:

- **FILTER:** Normal filtering operation. Water flows through the sand bed, trapping debris, and returns to the pool.
- **BACKWASH:** Reverses water flow through the filter to clean the sand bed and flush trapped debris out the waste port.
- **RINSE:** Used after backwashing to settle the sand bed and flush any remaining dirty water to waste before returning to filter mode.
- **WASTE:** Bypasses the filter, sending water directly from the pump to the waste line. Used for vacuuming heavy debris directly to waste or lowering pool water level.
- **RECIRCULATE:** Bypasses the filter, circulating water directly from the pump back to the pool. Used when the filter media is not needed, e.g., for chemical distribution.
- **CLOSED:** Shuts off all flow to the filter and pool. Do not operate the pump with the valve in this position.

3.2 Starting the Filter:

- Ensure the pool is filled to the proper level.
- Set the VariFlo valve to 'BACKWASH'.
- Start the pump and backwash for 2-3 minutes, or until the sight glass runs clear.
- Turn off the pump.
- Set the valve to 'RINSE'.
- Start the pump and rinse for 30-60 seconds.
- Turn off the pump.
- Set the valve to 'FILTER'.
- Start the pump. The filter is now in normal operating mode.

4. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your sand filter.

4.1 Routine Care:

- Monitor the pressure gauge. When the pressure rises 8-10 PSI above the clean filter pressure, it's time to backwash.
- Keep the filter area clean and free of debris.
- Inspect the filter tank and valve for any signs of leaks or damage.

4.2 Winterizing:

- Lower the pool water level below the skimmer and return lines.
- Backwash and rinse the filter thoroughly.
- Drain all water from the filter tank by opening the pressure sand/water drain.
- Remove the pressure gauge and store it in a warm, dry place.
- Set the VariFlo valve handle between any two positions to relieve pressure on the gasket.
- Cover the filter to protect it from the elements.

4.3 Sand Replacement:

Filter sand typically needs replacement every 3-5 years, depending on usage and water chemistry. Consult a pool professional for guidance.

5. TROUBLESHOOTING GUIDE

This section provides solutions to common issues you might encounter with your sand filter.

Problem	Possible Cause	Solution
Poor water clarity	Dirty filter sand; insufficient run time; improper chemical balance; damaged laterals	Backwash and rinse filter; increase filter run time; check and adjust pool chemistry; inspect laterals for damage.
High filter pressure	Clogged filter sand; restricted plumbing	Backwash and rinse filter; check plumbing for blockages; consider sand replacement if issue persists.
Water leaking from valve	Worn O-rings/gaskets; cracked valve body	Inspect and replace O-rings/gaskets; contact Hayward support for valve body issues.
Sand returning to pool	Damaged laterals; improper sand type/quantity; excessive backwashing pressure	Inspect and replace laterals; verify correct sand type and quantity; reduce pump speed during backwash if possible.

6. TECHNICAL SPECIFICATIONS

Specification	Detail
Model Number	W3S310T2
Product Dimensions	32 x 32 x 48.3 inches
Item Weight	83 pounds
Manufacturer	Hayward
ASIN	B07SPM17K6

7. WARRANTY AND CUSTOMER SUPPORT

For warranty information, please refer to the documentation included with your product or visit the official Hayward website. For technical assistance, replacement parts, or any other inquiries, please contact Hayward customer support directly. Ensure you have your model number (W3S310T2) and purchase details available when contacting support.

