HAYWARD Filtro Hayward Laminado 600 mm

Hayward 600mm Laminated Filter User Manual

Model: Filtro Hayward Laminado 600 mm

1. Product Overview

The Hayward Laminated Filter is a high-quality, fiberglass-reinforced polyester laminate filter designed for efficient swimming pool water filtration. This model, part of a range suitable for pools up to 189 m³ in volume, features a hydraulically optimized design for superior performance. Key features include an Ultra-Rapid 'Twist Lock' closure system for secure sealing, a double-site diffuser for excellent water distribution within the filter, and a quick-connect collector arm for easy replacement. The monobloc interior joint ensures durability. Maintenance is simplified by a wide drain, which requires no special tools for operation.

Figure 1: Hayward 600mm Laminated Filter unit. This image shows the complete Hayward 600mm Laminated Filter unit, typically used for swimming pool water filtration.

2. Setup and Installation

Proper installation is crucial for the filter's performance and longevity. It is recommended that installation be performed by a qualified professional.

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all parts listed in the packing list are present and undamaged.
2. **Placement:** Position the filter on a firm, level surface, preferably concrete, as close to the pool as possible to minimize pipe friction. Ensure adequate space around the filter for maintenance and operation.
3. **Connecting the Multiport Valve:** Attach the multiport valve to the top of the filter tank. Ensure the O-ring is properly seated and tighten the clamp securely.
4. **Plumbing Connections:** Connect the pool's plumbing to the multiport valve ports: 'PUMP' to the pool pump discharge, 'RETURN' to the pool return line, and 'WASTE' to a suitable waste or drain line. Use appropriate fittings and sealants to prevent leaks.
5. **Adding Filter Media (Sand):**
    - Remove the diffuser assembly from the filter tank.
    - Fill the tank approximately one-third full with water to cushion the laterals.
    - Carefully add the specified amount of coarse sand, followed by the fine sand. Refer to the specifications section for quantities.
    - Ensure the sand level is below the top of the laterals.
    - Reinstall the diffuser assembly.
6. **Initial Start-up:** Before starting the pump, ensure all connections are secure and the multiport valve is set to the 'BACKWASH' position. Backwash the filter for several minutes to remove any fine dust or impurities from the sand. Then, set the valve to 'RINSE' for one minute, followed by 'FILTER' for normal operation.

3. Operating Instructions

The Hayward Laminated Filter is equipped with a six-position multiport valve for various operational modes:

- **FILTER:** Normal filtration mode. Water flows through the filter media, trapping debris, and returns to the pool.
- **BACKWASH:** Used for cleaning the filter media. Water flows in reverse through the filter, dislodging trapped debris, and exits through the waste port. Perform backwash when the pressure gauge reads 8-10 PSI above its clean operating pressure.
- **RINSE:** Used after backwashing to flush out any remaining dirty water from the filter and settle the sand bed. Water flows through the filter and exits through the waste port.
- **WASTE:** Bypasses the filter and sends water directly to the waste port. 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. Used for chemical distribution without filtration.
- **CLOSED:** Shuts off all flow to the filter and pool. Use only when the pump is off.

Important: Always turn off the pool pump before changing the multiport valve position to prevent damage to the valve or filter system.

4. Maintenance

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

- **Backwashing:** Perform backwashing as indicated by the pressure gauge (8-10 PSI above clean pressure) or

when water clarity diminishes. Follow the 'BACKWASH' and 'RINSE' procedures described in the operating instructions.

- **Pressure Gauge Monitoring:** Regularly check the pressure gauge. A consistently high pressure indicates a dirty filter, while a very low pressure might suggest a pump or plumbing issue.
- **Sand Replacement:** Filter sand typically lasts 3-5 years, depending on usage and water chemistry. Over time, sand particles wear down and become less effective. Replace the sand when filtration efficiency noticeably decreases.
- **Winterization:** In colder climates, the filter must be properly winterized to prevent freeze damage. Drain all water from the filter tank and plumbing lines. Remove the pressure gauge and drain plugs. Store the multiport valve in the 'WINTERIZE' or 'CLOSED' position (if available) or remove it and store it indoors.
- **General Cleaning:** The wide drain allows for easy maintenance and cleaning of the filter tank without requiring special tools. Periodically inspect the internal components for wear or damage.

5. Troubleshooting

This section addresses common issues you might encounter with your Hayward Laminated Filter.

- **Cloudy Pool Water:**
  - **Cause:** Dirty filter sand, insufficient filtration time, improper water chemistry, damaged laterals.
  - **Solution:** Backwash and rinse the filter. Increase filtration time. Test and adjust pool chemistry. Inspect laterals for damage; replace if necessary.
- **Low Water Flow:**
  - **Cause:** Clogged filter, clogged pump basket/skimmer basket, closed valves, air leak in suction line.
  - **Solution:** Backwash the filter. Empty pump and skimmer baskets. Ensure all valves are open. Check for air leaks in the suction line.
- **Water Leaking from Multiport Valve:**
  - **Cause:** Worn spider gasket, loose connections, cracked valve body.
  - **Solution:** Inspect and replace the spider gasket. Tighten all plumbing connections. If the valve body is cracked, it may need replacement.
- **Sand Returning to Pool:**
  - **Cause:** Damaged laterals, improper sand type/amount, excessive backwashing.
  - **Solution:** Inspect and replace damaged laterals. Verify correct sand type and quantity. Reduce backwash duration if excessive.

If you are unable to resolve an issue, contact a qualified pool technician for assistance.

6. Specifications

Characteristic	Value
Model Number	Filtro Hayward Laminado 600 mm
Manufacturer	HAYWARD
Filter Diameter	600 mm
Recommended Flow Rate	14 m^3/h

Characteristic	Value
Filtration Area	0.28 m²
Connections	1 1/2 inches
Fine Sand Required	100 kg
Coarse Sand Required	50 kg
Valve Type	Six-position
Product Dimensions (L x W x H)	60 x 60 x 80 cm
Item Weight	30 kg

7. Warranty and Support

For specific warranty information, please refer to the documentation provided at the time of purchase or contact your authorized Hayward dealer or the seller directly. Warranty terms typically cover manufacturing defects for a specified period.

For technical support, spare parts, or service, please contact your local Hayward distributor or the retailer from whom you purchased the product. Ensure you have your model number and purchase date available when seeking support.