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› Hayward W3C5030 SwimClear Cartridge Pool Filter 525 Sq. Ft. User Manual

Hayward W3C5030

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1. INTRODUCTION AND OVERVIEW

The Hayward W3C5030 SwimClear Cartridge Pool Filter is designed to provide efficient and reliable filtration for in-ground pools and spas. This filter system utilizes multiple reusable polyester cartridge elements to capture dirt and debris, ensuring crystal clear water with minimal maintenance. Its design prioritizes hydraulic performance and energy efficiency, making it an ideal choice for maintaining a clean and healthy swimming environment.



Figure 1: Hayward W3C5030 SwimClear Cartridge Pool Filter.

2. KEY FEATURES

- **Economical Performance:** Provides excellent filtration and hydraulic performance, contributing to reduced operating costs.
- **No Backwashing Required:** Features cleanable cartridge elements, eliminating the need for traditional backwashing and conserving water.
- **Durable Design:** Filter tanks are constructed from robust materials to withstand demanding applications and environmental conditions.
- **Easy Access:** A heavy-duty, tamper-proof, single-piece flange clamp allows quick access to internal components without disturbing plumbing connections.
- **Rapid Air Release:** Equipped with a high-capacity manual air relief valve for quick and easy air release with a quarter-turn.
- **High Filtration Area:** Offers a 525 sq. ft. filtration area for extended filter cycles and superior water clarity.

BENEFITS



Figure 2: Benefits of the SwimClear Cartridge Filter.

3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your Hayward SwimClear filter. It is recommended that installation be performed by a qualified pool professional.

3.1 Pre-Installation Checks

- Ensure the filter is placed on a level, solid surface capable of supporting its weight when filled with water.
- Verify that all necessary plumbing connections (CPVC 2" or 2-1/2" union connections) are available and correctly sized.
- Confirm that the installation site allows for adequate clearance around the filter for maintenance and servicing.

3.2 Installation Steps

1. **Position the Filter:** Place the filter tank in its final operating position.
2. **Connect Plumbing:** Securely attach the inlet and outlet plumbing to the filter's union connections. Ensure all

connections are watertight.

3. **Install Cartridges:** Open the filter tank by releasing the flange clamp. Carefully insert the cartridge elements, ensuring they are properly seated within the tank.
4. **Secure the Tank:** Replace the filter tank lid and securely fasten the heavy-duty, single-piece flange clamp.
5. **Fill with Water:** Slowly fill the pool and filter system with water, allowing air to escape through the manual air relief valve.
6. **Start Pump:** Once the system is full and all air is purged, start the pool pump. Check for any leaks.

INSTALL TIPS

- 1 **Ensure cartridges are seated properly inside the tank**
- 2 **Check tank clamp and connection fittings**



Figure 3: Key Installation Tips.

4. OPERATING INSTRUCTIONS

The Hayward SwimClear filter is designed for continuous operation to maintain optimal water quality. Once installed and the pump is running, the filter will begin circulating and cleaning your pool water.

- **Initial Pressure Reading:** Note the initial pressure gauge reading immediately after starting the filter with clean cartridges. This is your baseline operating pressure.

- **Monitor Pressure:** Regularly check the pressure gauge. An increase of 8-10 PSI above the initial clean pressure indicates that the cartridges need cleaning.
- **Air Relief:** If the pump loses prime or air enters the system, use the manual air relief valve to purge air until a steady stream of water emerges.

5. MAINTENANCE

Regular maintenance of your SwimClear filter ensures efficient operation and extends the life of the cartridge elements. Unlike sand filters, no backwashing is required, saving water and effort.

5.1 Cartridge Cleaning

1. **Turn Off Pump:** Always turn off the pool pump and relieve any pressure in the system before opening the filter.
2. **Open Filter:** Release the flange clamp and carefully remove the filter lid.
3. **Remove Cartridges:** Lift out the dirty cartridge elements.
4. **Rinse:** Use a garden hose with a spray nozzle or a specialized cartridge cleaning tool to thoroughly rinse debris from between the pleats of each cartridge. For deeper cleaning, use a chemical filter cleaner as directed by the product manufacturer.
5. **Inspect:** Check cartridges for any damage, tears, or excessive wear. Replace if necessary.
6. **Reinstall:** Place the clean cartridges back into the filter tank, ensuring they are correctly seated.
7. **Close Filter:** Replace the lid and secure the flange clamp.
8. **Restart System:** Follow the operating instructions to restart the pump and check for leaks.

Cartridges should be replaced every 1-2 years on average, depending on usage and water conditions.

MAINTENANCE TIPS

- 1** Clean when pressure gauge reads 8-10 psi above starting pressure
- 2** If needed, deep clean filter/cartridges with a filter cleaner
- 3** Use a cartridge cleaning tool
- 4** Replace cartridges every 1-2 years on average



Figure 4: Essential Maintenance Tips.





Figure 5: Internal view of the filter with cartridge elements.

6. TROUBLESHOOTING

This section provides general guidance for common issues. For detailed troubleshooting, refer to the complete product manual or contact Hayward customer support.

Problem	Possible Cause	Solution
Low Water Flow	Clogged cartridges, air in system, pump issue.	Clean cartridges, purge air, check pump operation.

Problem	Possible Cause	Solution
Cloudy Water	Dirty cartridges, improper chemical balance, filter bypass.	Clean cartridges, test and adjust water chemistry, inspect filter for proper sealing.
Water Leaks	Loose clamp, damaged O-ring, cracked housing.	Tighten clamp, inspect and replace O-ring, contact service professional for housing repair.

7. SPECIFICATIONS

- **Brand:** Hayward
- **Model Number:** W3C5030
- **Product Dimensions:** 24"L x 24"W x 46.5"H
- **Shape:** Square
- **Color:** Gray
- **Material:** Polyester
- **Included Components:** Filter Cartridge, Filter Tank, Union Connections
- **UPC:** 610377387927
- **Item Weight:** 92 Pounds
- **Filtration Area:** 525 Sq. Ft.

Model Number	Effective Filtration Area	Public Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C2030	225 ft. ²	84 GPM	40,320	50,400
C3030	325 ft. ²	122 GPM	58,560	73,200
C4030	425 ft. ²	150 GPM	72,000	90,000
C5030	525 ft. ²	150 GPM	72,000	90,000

Figure 6: Performance Data for SwimClear Filters (Model C5030 corresponds to 525 Sq. Ft.).

8. WARRANTY AND SUPPORT

For specific warranty information, please refer to the warranty card included with your product or visit the official Hayward website. For technical support, replacement parts, or service inquiries, please contact Hayward customer service directly.

Hayward Official Website: www.hayward-pool.com