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## Hayward DEX4820BTC

# Hayward DEX4820BTC Filter Head with Clamp System Replacement Instruction Manual

Model: DEX4820BTC

## 1. INTRODUCTION

This instruction manual provides essential information for the safe and effective installation, operation, and maintenance of your Hayward DEX4820BTC Filter Head with Clamp System Replacement. This component is designed to replace the filter head and clamp system on specific Hayward pool filters. Please read this manual thoroughly before proceeding with installation or maintenance.

## 2. SAFETY INFORMATION

### **WARNING: Failure to follow these instructions can result in severe injury or death.**

- Always disconnect power to the pump and filter system before performing any service or maintenance.
- Relieve all pressure from the filter system before opening the filter. Refer to your main filter manual for specific pressure relief procedures.
- Ensure all connections are secure and leak-free after installation.
- Do not operate the filter system if any part is damaged or missing.
- This product must be installed and serviced by a qualified pool professional in accordance with all applicable local codes and ordinances.

## 3. PACKAGE CONTENTS

The Hayward DEX4820BTC Filter Head with Clamp System Replacement package typically includes:

- 1 x Filter Head
- 1 x Clamp System (including clamp, bolt, nut, and washer)
- 1 x O-ring (for filter head seal)



Figure 1: Hayward DEX4820BTC Filter Head with Clamp System. This image shows the brown, dome-shaped filter head with the 'LOCK' and 'UNLOCK' indicators visible on the top, and the base where the clamp attaches.

## 4. COMPATIBILITY

This filter head with clamp system replacement is compatible with the following Hayward filter models:

- **Hayward Pro Grid Vertical D.E. Filter Models:** DE2420, DE3620, DE4820, DE6020, DE7220
- **Hayward Swim Clear Cartridge Filter Models:** C2020, C3020, C4020, C5020
- **Hayward Skim-Master Models:** SP1070, SP1070 NSF

## 5. INSTALLATION INSTRUCTIONS

Follow these steps carefully to install the replacement filter head and clamp system.

### 1. Prepare the Filter System:

- Turn off the pool pump and any automatic controls.
- Close all valves leading to and from the filter to isolate it.
- Open the air relief valve on the top of the filter to release any trapped air and pressure. Ensure

the pressure gauge reads zero.

- Open the filter drain plug to drain water from the filter tank.

## 2. Remove the Old Filter Head:

- Once the filter is depressurized and drained, loosen the clamp system that secures the old filter head to the filter tank.
- Carefully remove the old filter head and clamp. Inspect the filter tank's sealing surface for any debris or damage. Clean if necessary.

## 3. Install the New Filter Head and O-ring:

- Inspect the new O-ring for any cuts or damage. Lightly lubricate the O-ring with a silicone-based lubricant specifically designed for pool equipment.
- Place the lubricated O-ring into the groove on the filter tank or the new filter head, ensuring it is seated correctly and evenly.
- Carefully position the new filter head onto the filter tank, aligning it properly.

## 4. Secure with the New Clamp System:

- Place the new clamp system around the flange of the filter head and the filter tank.
- Insert the bolt through the clamp ends and secure it with the nut and washer.
- Tighten the clamp bolt evenly and gradually using a wrench. Alternate tightening sides to ensure even pressure around the entire clamp. Do not overtighten, as this can damage the clamp or filter components. The clamp should be snug, holding the head firmly in place without excessive force.

## 5. Restart the System:

- Close the filter drain plug.
- Open the valves leading to and from the filter.
- With the air relief valve still open, turn on the pool pump.
- Allow the filter tank to fill with water and air to escape through the air relief valve. Once a steady stream of water emerges from the air relief valve, close it.
- Check for any leaks around the filter head and clamp system. If leaks are present, turn off the pump, relieve pressure, and re-tighten the clamp.

## 6. OPERATING CONSIDERATIONS

Once installed, the filter head operates as part of your overall pool filtration system. Ensure your main filter and pump are operating within their recommended pressure ranges. Regularly monitor the pressure gauge on your filter head. An increase in pressure typically indicates that the filter media needs cleaning or backwashing, depending on your filter type.

## 7. MAINTENANCE

Proper maintenance extends the life of your filter head and ensures optimal system performance.

- **O-ring Inspection and Lubrication:** Annually, or whenever the filter head is removed, inspect the O-ring for cracks, tears, or flattening. Replace if damaged. Always lubricate the O-ring with a silicone-based lubricant before reassembly to ensure a proper seal and prevent premature wear.
- **Clamp System Inspection:** Periodically check the clamp system for corrosion, cracks, or deformation. Ensure the bolt and nut are securely tightened. Replace any damaged clamp components immediately.

- **General Cleaning:** Keep the exterior of the filter head clean from dirt and debris.

## 8. TROUBLESHOOTING

If you encounter issues after installing your new filter head, consider the following:

Problem	Possible Cause	Solution
Water leaking from filter head/clamp	<ul style="list-style-type: none"> <li>• Improperly seated O-ring</li> <li>• Damaged O-ring</li> <li>• Loose clamp</li> <li>• Damaged clamp</li> </ul>	<ul style="list-style-type: none"> <li>• Turn off pump, relieve pressure. Re-seat O-ring.</li> <li>• Replace O-ring.</li> <li>• Tighten clamp evenly.</li> <li>• Replace clamp system.</li> </ul>
Air entering the system	<ul style="list-style-type: none"> <li>• Loose filter head/clamp</li> <li>• Damaged O-ring</li> </ul>	<ul style="list-style-type: none"> <li>• Turn off pump, relieve pressure. Tighten clamp.</li> <li>• Replace O-ring.</li> </ul>
Pressure gauge not reading	<ul style="list-style-type: none"> <li>• Faulty gauge</li> <li>• Air trapped in system</li> </ul>	<ul style="list-style-type: none"> <li>• Replace pressure gauge.</li> <li>• Open air relief valve until steady water stream appears.</li> </ul>

## 9. SPECIFICATIONS

- **Model Number:** DEX4820BTC
- **Item Weight:** 19 pounds
- **Manufacturer:** Hayward

## 10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Hayward website or contact Hayward customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

**Hayward Customer Service:** [www.hayward-pool.com](http://www.hayward-pool.com)