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› Balboa Water Group BWG/GG 30240U-WH Suction Cover Instruction Manual

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Comprehensive guide for installation, operation, and maintenance.

1. PRODUCT OVERVIEW

The Balboa Water Group BWG/GG 30240U-WH is a white suction cover designed for use in pools and hot tubs. This component is crucial for maintaining proper water circulation and safety by preventing large debris from entering the pump system while ensuring adequate water flow.

Key Features:

- Cover Diameter: 4-7/8 inches
- Color: White
- Wall Flow Rate: 179 GPM (without vacuum tube), 256 GPM (with vacuum tube)
- Model: 30240U-WH



Figure 1: Balboa Water Group BWG/GG 30240U-WH Suction Cover. This image displays the white, circular suction cover featuring a grid of small holes across its surface for water intake, and a central screw hole for secure attachment. The cover's design ensures proper water flow while preventing debris from entering the pump system.

2. INSTALLATION INSTRUCTIONS

Proper installation of the suction cover is essential for safety and optimal system performance. Always ensure the power to the pump system is turned off before beginning any installation or maintenance.

Safety Precautions:

- Turn off all power to the pool or spa system at the circuit breaker before proceeding.
- Ensure the area around the suction fitting is clear and dry.
- Wear appropriate personal protective equipment if necessary.

Installation Steps:

1. **Remove Old Cover (if applicable):** If replacing an existing cover, carefully unscrew and remove the old cover. Inspect the underlying suction fitting for any damage or debris.
2. **Clean Area:** Clean the surface around the suction fitting to ensure a proper seal and fit for the new cover.
3. **Position New Cover:** Align the Balboa Water Group 30240U-WH suction cover with the screw hole(s) on the suction fitting. Ensure the cover sits flush against the wall or floor of the pool/spa.
4. **Secure Cover:** Insert the appropriate screw(s) into the central hole(s) of the cover and tighten them securely. Do not overtighten, as this may damage the cover or fitting.
5. **Verify Installation:** Once secured, gently attempt to rotate or pull the cover to ensure it is firmly attached and does not move.
6. **Restore Power:** After confirming secure installation, restore power to the pump system.

3. OPERATION AND FLOW RATES

The suction cover is a passive component designed to facilitate water flow into the pump while preventing entrapment and debris ingestion. Its design allows for specific flow rates depending on the configuration of your system.

- **Standard Flow Rate:** The cover is rated for a wall flow rate of **179 GPM (gallons per minute)** when used without a vacuum tube.
- **Enhanced Flow Rate:** When a vacuum tube is integrated with the suction fitting, the flow rate increases to **256 GPM**. This higher flow rate is typically utilized in systems requiring greater water turnover.

Ensure your pump system's flow requirements are compatible with the specifications of this suction cover to maintain efficient and safe operation.

4. MAINTENANCE

Regular maintenance of your suction cover helps ensure its longevity and the efficient operation of your pool or spa system.

- **Routine Inspection:** Periodically inspect the suction cover for cracks, damage, or discoloration. Damaged covers should be replaced immediately to prevent safety hazards.
- **Cleaning:** Clean the surface of the cover regularly to remove any accumulated debris, algae, or mineral deposits that may obstruct water flow. A soft brush and mild cleaning solution suitable for pool/spa surfaces can be used.
- **Screw Tightness:** Occasionally check the tightness of the securing screw(s). Loose screws can lead to movement or detachment of the cover.

5. TROUBLESHOOTING

If you encounter issues related to your suction cover, consider the following common problems and solutions:

- **Reduced Water Flow:**
 - **Cause:** Obstruction by debris (leaves, hair, etc.) on the cover surface or within the suction fitting.
 - **Solution:** Turn off the pump, remove the cover, and thoroughly clean both the cover and the suction fitting.
- **Cover Appears Loose or Detached:**
 - **Cause:** Securing screw(s) have loosened over time or were not tightened sufficiently during installation.
 - **Solution:** Turn off the pump, reposition the cover, and tighten the screw(s) securely. If the screw threads are stripped, replacement of the screw or fitting may be necessary.
- **Visible Cracks or Damage:**
 - **Cause:** Wear and tear, chemical exposure, or physical impact.

- **Solution:** A damaged suction cover compromises safety and performance. Replace the cover immediately with a new Balboa Water Group 30240U-WH unit.

6. SPECIFICATIONS

Attribute	Detail
Model Number	30240U-WH
Brand	Balboa Water Group
Part Type	Suction Cover
Color	White
Cover Diameter	4-7/8 inches
Product Dimensions	4.85 x 4.8 x 1.55 inches
Weight	2.4 ounces
Wall Flow Rate (without vacuum tube)	179 GPM
Wall Flow Rate (with vacuum tube)	256 GPM

7. WARRANTY INFORMATION

Specific warranty details for the Balboa Water Group BWG/GG 30240U-WH Suction Cover are typically provided at the point of purchase or can be obtained directly from Balboa Water Group. Please retain your proof of purchase for any warranty claims.

8. CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding the Balboa Water Group BWG/GG 30240U-WH Suction Cover, please contact Balboa Water Group customer service or your authorized dealer. Refer to the official Balboa Water Group website for current contact information.

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