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Model: 1050031 | Brand: Balboa Water Group

1. PRODUCT OVERVIEW

The Balboa Vico Wow Pump 1050031 is a high-performance bath pump designed for quiet operation and efficient water flow in spa and jetted tub applications. This pump maximizes flow rate capabilities, enhancing the user experience. It features a self-draining volute and flexible installation options.

Key Features:

- Ultra-quiet operation
- Flexible installation with multiple volute configuration options
- Self-draining volute design
- 115V electrical rating
- 5.5 Amp current draw
- 65 Gallons Per Minute (GPM) maximum flow rate



Image 1.1: The Balboa Vico Wow Pump 1050031. This image displays the pump unit, featuring its black housing, motor, and electrical cord with a standard plug. The pump has threaded inlet and outlet ports for plumbing connections.

2. SAFETY INFORMATION

WARNING: Read and understand all instructions before installing or operating this pump. Failure to follow these instructions could result in serious injury or death.

- Always disconnect power before servicing the pump.
- Installation must be performed by a qualified electrician and plumber in accordance with all local and national electrical and plumbing codes.
- Ensure proper grounding to prevent electrical shock.
- Do not operate the pump if it is damaged or if any electrical components are exposed to water.
- Keep children and unauthorized persons away from the pump during operation and maintenance.
- This pump is designed for specific applications (above-ground pool, in-ground pool, spa). Do not use for purposes other than intended.

3. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your Balboa Vico Wow Pump. Consult a professional if you are unsure about any step.

3.1. Location Selection

- Install the pump in a dry, well-ventilated area, protected from direct sunlight and extreme weather conditions.
- Ensure adequate space around the pump for ventilation and future servicing.
- Mount the pump on a solid, level surface to minimize vibration and noise.

3.2. Plumbing Connections

1. Ensure all plumbing lines are clean and free of debris before connecting to the pump.
2. Connect the suction line to the pump's inlet and the discharge line to the pump's outlet. Use appropriate PVC fittings and primer/cement for a watertight seal.
3. Avoid overtightening connections, which can damage the pump housing or fittings.
4. Verify that all connections are secure and leak-free before proceeding.

3.3. Electrical Connection

1. Ensure the power supply matches the pump's voltage requirements (115V).
2. Connect the pump to a dedicated, properly grounded electrical circuit protected by a Ground Fault Circuit Interrupter (GFCI).
3. If the pump is equipped with an air switch, connect the air tubing to the designated port on the pump and the air button.
4. Verify all electrical connections are tight and insulated.

4. OPERATING INSTRUCTIONS

4.1. Priming the Pump

Before initial startup or after draining, the pump must be primed to ensure proper operation and prevent damage.

1. Ensure all valves in the plumbing system are open to allow water flow.
2. Fill the spa or tub with water to the appropriate level, ensuring the pump is submerged or has water flowing to its inlet.
3. Briefly turn on the pump for a few seconds, then turn it off. Repeat this process several times to help draw water into the pump and expel air.
4. Once a steady stream of water is observed from the jets, the pump is primed.

4.2. Starting and Stopping the Pump

- **To Start:** Activate the air switch button or the designated control panel button for your spa/tub. The pump should begin operating.
- **To Stop:** Press the air switch button or the control panel button again. The pump will cease operation.

Note: Avoid running the pump dry (without water) for extended periods, as this can cause severe damage.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your pump.

- **Periodic Inspection:** Regularly check the pump for any signs of leaks, unusual noises, or excessive vibration.
- **Cleaning:** Keep the pump exterior clean and free of dust and debris to ensure proper motor cooling.
- **Winterization (if applicable):** If the pump is installed in an area subject to freezing temperatures, follow proper winterization procedures to drain all water from the pump and plumbing lines to prevent freeze damage.
- **Seal Replacement:** If leaks are observed from the pump shaft area, the shaft seal may need replacement.

This typically requires professional servicing.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Pump does not start	No power; Tripped GFCI; Faulty air switch; Motor issue	Check power supply; Reset GFCI; Test air switch; Consult a technician
Pump runs but no water flow	Pump not primed; Closed valves; Clogged impeller; Air lock	Prime the pump; Open all valves; Inspect/clean impeller; Bleed air from system
Low water flow	Partially clogged impeller; Restricted plumbing; Low water level	Clean impeller; Check plumbing for obstructions; Ensure adequate water level
Excessive noise or vibration	Air in pump; Loose mounting; Worn bearings; Debris in impeller	Prime pump; Secure mounting; Contact technician for bearing/impeller issues
Water leaking from pump	Loose plumbing connections; Damaged shaft seal; Cracked housing	Tighten connections; Replace shaft seal (professional); Replace pump if housing is cracked

If you are unable to resolve an issue using this guide, please contact a qualified service technician or Balboa Water Group customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	Balboa Water Group
Model Number	1050031
Voltage	115 Volts
Current (AMP)	5.5 Amps
Maximum Flow Rate	65 Gallons Per Minute
Product Dimensions	16.3"L x 11.9"W x 10.8"H
Item Weight	9 Pounds
Material	Metal
Color	Black
Style	Submersible
Specific Uses	Above-ground pool, In-ground pool, Spa
UPC	852673914258

8. WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation included with your purchase or visit the official Balboa Water Group website. Warranty terms and conditions may vary.

For technical support or service inquiries, please contact Balboa Water Group directly. Have your model number (1050031) and purchase details ready when contacting support.

Manufacturer: Balboa Water Group

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question