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› IBELL VORMIR VR WP30-10 Water Pressure Booster Pump User Manual

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Model: VR WP30-10

1. INTRODUCTION

The IBELL VORMIR VR WP30-10 Water Pressure Booster Pump is designed to enhance water pressure and maintain consistent water flow in various applications. This compact and efficient pump is suitable for residential and commercial use, including homes, bathrooms, kitchens, and water supply systems. It features a 120W motor, delivering a maximum flow rate of 30 liters per minute, a 10-meter maximum head, and a working pressure of 10 Bar (145 PSI).



Image 1.1: IBELL VORMIR VR WP30-10 Water Pressure Booster Pump. This image displays the pump's compact design, yellow and black casing, and control panel, indicating its 120W power and automatic start/stop capability.

2. PRODUCT FEATURES

- **Powerful 120W Motor:** Delivers efficient water circulation and stable pressure.
- **High Flow Rate & Pressure:** Provides a maximum 30 L/min flow rate, 10m maximum head, and 10 Bar (145 PSI) working pressure for consistent water delivery.
- **Wide Temperature Compatibility:** Designed for fluid temperatures from -10°C to 100°C and ambient operating temperatures up to 40°C.
- **Durable & Safe Construction:** Features IP44 protection against dust and water splashes, and Class H insulation for enhanced durability and reliable operation.
- **Versatile Application:** Ideal for boosting water pressure in homes, apartments, showers, bathrooms, water heaters, plumbing systems, overhead tanks, and irrigation systems.
- **Automatic Operation:** Built-in flow sensor control for automatic start and stop.

- **Quiet Performance:** Designed for smooth and silent operation.
- **Overheat Protection:** Thermal protection for motor safety.



POWERFUL BOOST CONSISTENT FLOW



STRONGER SHOWERS



BETTER WATER FLOW



IDEAL FOR HOME APPLIANCES



PERFECT FOR MULTI-STOREY BUILDINGS



AUTOMATIC OPERATION
Built-in flow sensor control



QUIET PERFORMANCE
Smooth & silent operation



OVERHEAT PROTECTION
Thermal protection for motor safety



DURABLE BUILD
High-quality materials

Image 2.1: Key features of the IBELL VORMIR VR WP30-10 pump. This image highlights the benefits such as consistent flow, automatic operation, quiet performance, and durable construction.



Image 2.2: Performance metrics of the IBELL VORMIR VR WP30-10 pump. This image visually demonstrates the pump's capability to deliver high flow rate, lifting height, and working pressure.



Image 2.3: Endless applications for the booster pump. This image showcases the wide range of uses for the pump, from domestic water supply to irrigation and cleaning tasks.

3. WHAT'S IN THE BOX

Upon unpacking, ensure all components are present and undamaged:

- Water Pump Unit (IBELL VORMIR VR WP30-10)
- User Manual (this document)

If any parts are missing or damaged, contact customer support immediately.

4. SAFETY INSTRUCTIONS

Read all safety warnings and instructions carefully before installing or operating the pump. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage. Keep this manual for future reference.

- **Electrical Safety:** Ensure the power supply matches the pump's specifications (220-240V, 50Hz). Always connect the pump to a properly grounded outlet. Do not operate the pump with wet hands or in wet conditions.
- **Water Safety:** Never run the pump dry (without water). This can cause severe damage to the pump and void the warranty. Ensure proper water flow to and from the pump.
- **Installation:** Installation should be performed by a qualified professional if you are unsure. Ensure all connections are secure and leak-free. Mount the pump securely to prevent vibration and movement.
- **Temperature:** Do not expose the pump to extreme temperatures outside its operating range (-10°C to 100°C for fluid, up to 40°C for ambient).
- **Maintenance:** Disconnect power before performing any maintenance or cleaning.
- **Children and Pets:** Keep the pump out of reach of children and pets.

5. SETUP AND INSTALLATION

Proper installation is crucial for the pump's performance and longevity. Refer to the diagrams for correct inlet and outlet connections.

1. **Choose Location:** Select a dry, well-ventilated area, protected from direct sunlight and freezing temperatures. The pump should be installed as close as possible to the water source.
2. **Mounting:** Securely mount the pump to a stable surface using appropriate fasteners. Ensure the pump is level to prevent excessive vibration.
3. **Connect Plumbing:**
 - Connect the water inlet pipe to the designated inlet port on the pump.
 - Connect the water outlet pipe to the designated outlet port.
 - Ensure all connections are tight and sealed to prevent leaks. Use thread sealant tape if necessary.
4. **Fill with Water:** Before connecting power, ensure the pump casing is completely filled with water. This primes the pump and prevents dry running.
5. **Electrical Connection:** Connect the pump to a grounded electrical outlet. Ensure the power supply matches the pump's requirements.



Image 5.1: Inlet and Outlet connections. This image illustrates the correct plumbing connections for the pump, showing the water flow direction.

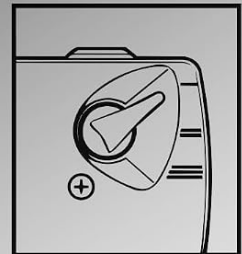
Important: Never run the pump without water. Dry running will cause irreversible damage to the pump and is not covered under warranty.

6. OPERATING INSTRUCTIONS

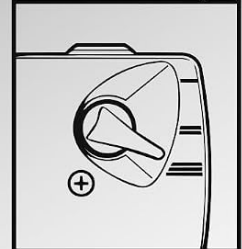
The IBELL VORMIR VR WP30-10 pump features a control switch with three modes: **OFF**, **MANUAL**, and **AUTO**.

BOOSTER PUMP OPERATION MODES

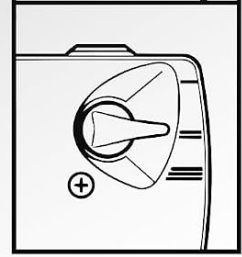
OFF



MANUAL



AUTOMATIC



In **AUTOMATIC** mode,
the water flow rate must be higher than
0.4 gal/min for the pump to start.

In **MANUAL** mode,
at least one faucet must remain open to prevent
overheating and possible damage to the pump.

DO NOT OPERATE THE PUMP WITHOUT WATER.

Image 6.1: Operation Modes. This diagram explains the functionality of the OFF, MANUAL, and AUTO settings on the pump's control switch.

- **OFF:** The pump is completely powered off and will not operate.
- **MANUAL:** In this mode, the pump runs continuously regardless of water flow. This mode is typically used for initial priming or specific tasks requiring constant pressure.
Caution: When operating in **MANUAL** mode, at least one faucet must remain open to prevent overheating and possible damage to the pump due to continuous operation without sufficient water discharge.
- **AUTO:** This is the standard operating mode. The pump starts automatically when a water faucet is opened (detecting water flow) and stops when the faucet is closed.

Note: For the pump to start in **AUTO** mode, the water flow rate must be higher than 0.4 gallons per minute (approximately 1.5 liters per minute).

Critical Warning: Do not operate the pump without water. Ensure the pump is always supplied with water to prevent damage.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your pump. Always disconnect the power supply before performing any maintenance.

- **Regular Inspection:** Periodically check the pump and connections for any signs of leaks, damage, or corrosion.
- **Clean Filter (if applicable):** If your system includes an inline filter, clean it regularly to prevent blockages and maintain flow.
- **Winterization:** In areas prone to freezing temperatures, drain the pump completely and store it in a warm, dry place to prevent damage from freezing water.
- **Motor Ventilation:** Ensure the motor's ventilation openings are clear of dust and debris to prevent overheating.

8. TROUBLESHOOTING

Before contacting support, review the following common issues and their solutions:

Problem	Possible Cause	Solution
Pump does not start	No power supply Switch in OFF position Low water flow (in AUTO mode) Motor overload protection activated	Check power connection and circuit breaker Set switch to MANUAL or AUTO Ensure water flow is above 0.4 GPM Allow pump to cool down, then restart
Low water pressure	Air in the system Clogged inlet filter Leaks in plumbing Pump running dry	Bleed air from the system Clean or replace filter Inspect and seal all connections Ensure continuous water supply
Pump runs continuously (in AUTO mode)	Small leak in the system Faulty flow sensor	Check for and repair any leaks in the plumbing system Contact customer support for sensor inspection
Unusual noise or vibration	Loose mounting Air in the pump Debris in impeller	Tighten mounting bolts Prime the pump, ensure no air pockets Disconnect power and inspect impeller for obstructions

If the problem persists after attempting these solutions, please contact customer support.

9. SPECIFICATIONS

Specification	Value
Brand	IBELL
Model Number	VR WP30-10
Power Source	Corded Electric
Motor Power	120W
Maximum Flow Rate	30 Liters Per Minute

Specification	Value
Maximum Lifting Height (Head)	10 Metres
Maximum Pressure	10 Bar (145 PSI)
Material	Cast Iron
Product Dimensions (L x W x H)	19L x 11.5W x 13.5H Centimeters
Item Weight	3 Kilograms
IP Protection Rating	IP44
Insulation Class	Class H
Fluid Temperature Range	-10°C to 100°C
Ambient Temperature Range	Up to 40°C
Included Components	Water Pump Unit
Specific Uses	Home, Bathroom, Kitchen, Water Heaters, Plumbing Systems, Overhead Tanks, Irrigation Systems, Domestic Water Circulation

10. WARRANTY INFORMATION

This product is covered by a manufacturer's warranty. For specific details regarding the warranty period, terms, and conditions, please refer to the warranty card included with your product or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

Note that third-party extended warranty or damage protection plans may be available for purchase separately and are not directly provided by the manufacturer.

11. CUSTOMER SUPPORT

For technical assistance, spare parts, or any inquiries regarding your IBELL VORMIR VR WP30-10 Water Pressure Booster Pump, please contact:

Importer/Packer: HITECH MACHINERIES AND EQUIPMENTS

Phone: 18001034090 (India)

Email: Support@ibelltools.com

Please have your model number (VR WP30-10) and purchase details ready when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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