

BLACK+DECKER BDXV18101P-1H

BLACK+DECKER 1 Gallon 1.5 Peak HP Wet/Dry Shop Vacuum Instruction Manual

Model: BDXV18101P-1H

1. INTRODUCTION AND SAFETY INFORMATION

Thank you for choosing the BLACK+DECKER 1 Gallon 1.5 Peak HP Wet/Dry Shop Vacuum. This manual provides essential instructions for the safe operation, assembly, maintenance, and troubleshooting of your new vacuum cleaner. Please read all instructions carefully before use and retain this manual for future reference.

Important Safety Instructions

- Always ensure the power cord and plug are in good condition before use. Do not use if damaged.
- Do not vacuum flammable or combustible liquids, hot ashes, or sharp objects.
- Always unplug the vacuum from the power outlet before performing any maintenance, cleaning, or changing accessories.
- Do not operate the vacuum without the appropriate filters installed.
- Keep hair, loose clothing, fingers, and all parts of the body away from openings and moving parts.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

2. PRODUCT COMPONENTS AND OVERVIEW

Familiarize yourself with the parts of your BLACK+DECKER Wet/Dry Shop Vacuum to ensure proper assembly and operation.

BLACK+DECKER

Handle

Wall mount

Powerful 1.5
horsepower** motor

On/off switch

Quick-connect locking
vacuum port

Lid latches

1 Gallon* poly
wet/dry vacuum



*Tank capacity refers to actual tank volume, and does not reflect capacity available during operation.

**Peak Horsepower (PHP) is a term used in the wet/dry vacuum industry for consumer comparison purposes. It does not denote the operational horsepower of a wet/dry vacuum but rather the horsepower output of a motor, including the motor's inertial contribution, achieved in laboratory testing. In actual use, BLACK+DECKER motors do not operate at the peak horsepower shown.

Image 2.1: Overview of the BLACK+DECKER 1 Gallon Wet/Dry Shop Vacuum with key components labeled, including the handle, on/off switch, motor, lid latches, quick-connect locking vacuum port, and the 1-gallon poly wet/dry tank.

Included Accessories:

Includes:



4 ft. x 1-1/4 in. Hose



Wall-mount bracket



Crevice nozzle



Gulper nozzle



Foam filter



Reusable cloth dry filter & clamp ring

Image 2.2: All accessories included with the vacuum: 4 ft. x 1-1/4 in. Hose, Wall-mount bracket, Crevice nozzle, Gulper nozzle, Foam filter, and Reusable cloth dry filter & clamp ring.

- **Vacuum Unit:** Main body with 1.5 Peak HP motor and 1 Gallon poly tank.
- **4 ft. x 1-1/4 in. Hose:** Flexible hose for connecting accessories.
- **Wall-mount bracket:** For convenient storage.
- **Crevice nozzle:** For narrow spaces and tight corners.
- **Gulper nozzle:** For wider surface cleaning.
- **Foam filter:** Essential for wet vacuuming.
- **Reusable cloth dry filter & clamp ring:** For dry vacuuming.

3. ASSEMBLY INSTRUCTIONS

Follow these steps to assemble your shop vacuum before first use.

1. **Unpacking:** Carefully remove all components from the packaging. Ensure all listed accessories are present.
2. **Attaching the Hose:** Insert the hose cuff into the quick-connect locking vacuum port on the front of the vacuum unit. Twist clockwise until it locks securely into place.



Image 3.1: The quick-connect locking vacuum port where the hose attaches.

3. Filter Installation:

- **For Dry Vacuuming:** Place the reusable cloth dry filter over the filter cage inside the tank, securing it with the clamp ring. The foam filter should also be in place underneath the cloth filter.
- **For Wet Vacuuming:** Remove the reusable cloth dry filter and clamp ring. Ensure only the foam filter is installed over the filter cage.

4. **Attaching Nozzles:** Select the desired nozzle (gulper or crevice) and firmly push it onto the open end of the hose.



Image 3.2: The gulper nozzle attached to the vacuum hose.

5. **Wall Mount Installation (Optional):** If using the wall mount, select a suitable location. Secure the wall-mount bracket to a stud or use appropriate anchors for your wall type. Ensure it is mounted at a height that allows the vacuum to be easily lifted and stored.



Image 3.3: The BLACK+DECKER shop vacuum conveniently stored on a wall mount.

4. OPERATING INSTRUCTIONS

This section details how to use your BLACK+DECKER Wet/Dry Shop Vacuum for various cleaning tasks.

Powering On/Off

1. Plug the power cord into a suitable electrical outlet.
2. Locate the on/off switch on the top of the vacuum unit.



Image 4.1: The power switch located on the handle of the vacuum.

3. Press the switch to the 'I' position to turn the vacuum ON.
4. Press the switch to the 'O' position to turn the vacuum OFF.

Dry Vacuuming

For dry debris, ensure the reusable cloth dry filter and foam filter are properly installed. Use the appropriate nozzle for the task. The 1.5 Peak HP motor provides strong suction for various dry messes.

Wet Vacuuming

For liquid spills, **remove the reusable cloth dry filter and clamp ring**. Only the foam filter should remain installed. The vacuum is equipped with a float valve system that automatically shuts off suction when the liquid in the tank reaches its maximum capacity, preventing overflow and protecting the motor.



Image 4.2: Illustration of the float valve technology, which automatically cuts off airflow when the liquid in the tank reaches a

predetermined level, indicating the tank is full.

When the float valve activates, the motor sound will change, and suction will cease. Turn off the vacuum immediately and empty the tank.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your vacuum.

Emptying the Tank

1. Unplug the vacuum from the power source.
2. Release the lid latches and carefully lift the motor head off the tank.
3. For dry debris, carefully remove the cloth filter and empty the tank into a waste receptacle.
4. For liquids, pour the contents of the tank into a drain.
5. Clean the inside of the tank with water and mild detergent if necessary, then rinse thoroughly and allow to dry completely before reassembly.

Filter Cleaning and Replacement

- **Reusable Cloth Dry Filter:** Shake off excess dust. If heavily soiled, hand wash with mild soap and water. Rinse thoroughly and allow to air dry completely before reinstallation. Do not machine wash or dry.
- **Foam Filter:** Rinse with water to remove debris. Squeeze out excess water and allow to air dry completely before reinstallation.
- Inspect filters regularly for tears or damage. Replace damaged filters immediately to maintain suction and protect the motor.

Storage

After use, wrap the hose around the handle and store accessories in the built-in holder on the lid. The compact design and optional wall-mount bracket allow for convenient storage in garages, workshops, or utility rooms.

6. TROUBLESHOOTING

Refer to this section for solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Vacuum does not turn on	No power to outlet; Power cord damaged; On/off switch faulty.	Check power outlet with another appliance; Inspect power cord for damage; Contact customer support if switch is faulty.
Loss of suction	Tank is full; Filters are clogged; Hose or nozzle is blocked; Lid is not sealed properly.	Empty the tank; Clean or replace filters; Clear any blockages in hose/nozzle; Ensure lid latches are securely fastened.

Problem	Possible Cause	Solution
Liquid overflow shut-off activates prematurely	Foam filter is not installed correctly; Float valve is obstructed.	Ensure foam filter is properly seated; Check float valve for debris and clear if necessary.
Unusual noise or vibration	Motor head not seated correctly; Debris in motor housing.	Ensure motor head is securely latched; Unplug and inspect for debris (contact support if issue persists).

If you encounter a problem not listed here or if the suggested solutions do not resolve the issue, please contact BLACK+DECKER customer support.

7. PRODUCT SPECIFICATIONS

Technical details for the BLACK+DECKER 1 Gallon 1.5 Peak HP Wet/Dry Shop Vacuum.

Feature	Specification
Brand	BLACK+DECKER
Model Name	BDXV18101P-1H
Capacity	1 Gallon
Motor Horsepower	1.5 Peak HP
Wattage	600 watts
Amperage	5 Amps
Hose Length	4 Feet
Product Dimensions	10"L x 9.8"W x 11.9"H
Item Weight	5.5 pounds
Noise Level	80 dB
Filter Type	Cloth, Foam
Special Features	Lightweight, Portable, Wet/Dry Functionality, Wall-Mountable
Indoor/Outdoor Usage	Indoor

8. WARRANTY AND CUSTOMER SUPPORT

Limited Warranty

This BLACK+DECKER product comes with a **1-Year Limited Warranty** from the date of purchase. This warranty covers defects in material or workmanship. For specific terms and conditions, please refer to the warranty card

included with your product or visit the official BLACK+DECKER website.

Customer Support

For technical assistance, warranty claims, or to order replacement parts, please contact BLACK+DECKER customer support. Contact information can typically be found on the product packaging or the official brand website.

Online Resources: For additional information, FAQs, or to register your product, visit the official BLACK+DECKER website: www.blackanddecker.com

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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

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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