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DEWALT DXV16PA

DEWALT DXV16PA 16 Gallon Poly Wet/Dry Vac

INSTRUCTION MANUAL

INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, setup, maintenance, and troubleshooting of your DEWALT DXV16PA 16 Gallon Poly Wet/Dry Vac. This powerful 6.5 peak horsepower shop vacuum is designed for demanding cleanup tasks in various environments, including jobsites and workshops, handling both wet and dry materials.

Key features include a robust 6.5 peak horsepower motor, 116 CFM airflow, an integrated silencing muffler for reduced noise, and a 20-ft power cord with a cord wrap system. The unit also features a specialized car nozzle and a hose adaptor for efficient liquid removal.



Figure 1: DEWALT DXV16PA 16 Gallon Poly Wet/Dry Vac, fully assembled.

Important Safety Information

Always follow basic safety precautions when using this appliance to reduce the risk of fire, electric shock, or injury. Read all instructions before using this vacuum cleaner.

- Do not leave appliance when plugged in. Unplug from outlet when not in use and before servicing.
- Do not use outdoors or on wet surfaces.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use only as described in this manual. Use only manufacturer's recommended attachments.
- Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
- Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle plug or appliance with wet hands.

- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not use without dust bag and/or filters in place.
- Turn off all controls before unplugging.
- Use extra care when cleaning on stairs.
- Do not use to pick up toxic material.

Setup and Assembly

Before operating your DEWALT DXV16PA Wet/Dry Vac, ensure all components are correctly assembled.

1. Unpacking and Component Identification

Carefully remove all contents from the packaging. Verify that all included components are present:

- Wet/Dry Vacuum Unit
- 2-1/2" x 7' Hose
- Two Extension Wands
- Cartridge Filter
- Dust Bag (for dry use)
- Floor Nozzle
- Utility Nozzle
- Crevice Nozzle
- Car Nozzle
- Silencing Muffler & Hose Adaptor



Figure 2: All included accessories and filter for the DXV16PA.

2. Attaching Wheels and Handle

1. Invert the vacuum tank.
2. Insert the caster wheels into the designated slots on the base of the tank until they click securely into place.
3. For models with a push handle, attach the handle to the rear of the unit by aligning the pins with the corresponding holes and pressing firmly until it locks.



Figure 3: Side view of the vacuum, showing the handle and wheel assembly.

3. Filter Installation

The cartridge filter is essential for dry vacuuming. For wet vacuuming, the filter should be removed or replaced with a foam filter (sold separately).

1. Remove the power head from the tank by releasing the latches.
2. If installing for dry use, slide the cartridge filter over the filter cage, ensuring a snug fit. Secure it with the filter nut.

3. For wet use, remove the cartridge filter.
4. Replace the power head, ensuring the latches are securely fastened.

4. Hose and Accessory Connection

Connect the hose to the inlet port on the front of the tank for vacuuming. For blowing functions, connect to the exhaust port.

- Attach the 2-1/2" x 7' hose to the desired port by twisting it clockwise until secure.
- Connect extension wands and desired nozzles (floor, utility, crevice, car) to the end of the hose.
- Utilize the accessory bag for organized storage of attachments.

Operating Instructions

This section details the operational procedures for your wet/dry vacuum.

1. Dry Vacuuming

1. Ensure the cartridge filter is clean and properly installed. A dust bag can also be used for improved filtration and easier debris disposal.
2. Connect the hose to the vacuum inlet port.
3. Plug the power cord into a grounded electrical outlet.
4. Turn the vacuum ON using the large, water-resistant switch.
5. Begin vacuuming dry debris.
6. When finished, turn the vacuum OFF and unplug it.

2. Wet Vacuuming

1. Remove the cartridge filter. For optimal wet performance and motor protection, install a foam filter (sold separately).
2. Connect the hose to the vacuum inlet port.
3. Plug the power cord into a grounded electrical outlet.
4. Turn the vacuum ON.
5. Vacuum liquids. The float mechanism will automatically shut off suction when the tank is full.
6. When finished, turn the vacuum OFF and unplug it. Empty the tank immediately.

3. Blower Function

The DXV16PA can also function as a powerful blower.

1. Ensure the tank is empty and clean.
2. Remove the hose from the vacuum inlet port.
3. Connect the hose to the exhaust port located on the power head.
4. Plug the power cord into a grounded electrical outlet.
5. Turn the vacuum ON to activate the blower.
6. When finished, turn the vacuum OFF and unplug it.



Figure 4: User demonstrating the operation of the DEWALT DXV16PA wet/dry vacuum.

Maintenance

Regular maintenance ensures optimal performance and extends the life of your DEWALT DXV16PA Wet/Dry Vac.

1. Filter Cleaning and Replacement

- **Cartridge Filter:** For dry debris, tap the filter gently to dislodge dust. For heavy buildup, rinse with water and allow to air dry completely before reinstallation. Replace damaged or excessively dirty filters.
- **Foam Filter (for wet use):** Rinse with water and mild soap. Allow to air dry completely before storage or reinstallation.
- Always ensure filters are dry before dry vacuuming to prevent motor damage.

2. Tank Emptying

- **Dry Debris:** Release the latches, remove the power head, and carefully empty the tank into a waste receptacle. If using a dust bag, remove and dispose of the bag.

- **Liquids:** Utilize the built-in tank drain for easy liquid disposal. Connect the hose adaptor to the drain port for controlled draining, or tilt the tank to pour out liquids.

3. Hose and Accessory Care

Clean the hose and accessories periodically with mild soap and water. Ensure they are dry before storage. Check for blockages and remove any debris to maintain optimal airflow.

4. Storage

Store the vacuum in a dry, indoor area. Wrap the 20-ft power cord around the integrated cord wrap system. Secure the hose using the rubber strap provided. Store accessories in the accessory bag.

Troubleshooting

Refer to this section for solutions to common issues you may encounter with your DEWALT DXV16PA Wet/Dry Vac.

Problem	Possible Cause	Solution
Vacuum does not start	No power; Faulty switch; Damaged cord/plug	Check power outlet and circuit breaker. Ensure plug is fully inserted. Contact service if switch or cord is damaged.
Loss of suction	Clogged hose/filter; Full tank; Improperly seated power head	Check and clear hose/attachments for blockages. Clean or replace filter. Empty tank. Ensure power head latches are secure.
Water coming from exhaust	Tank is full; Foam filter not installed for wet use	Empty the tank. Ensure foam filter is installed for wet vacuuming.
Excessive noise	Blockage in hose/filter; Loose components	Check for and clear blockages. Ensure all components are securely fastened.

Specifications

Technical specifications for the DEWALT DXV16PA 16 Gallon Poly Wet/Dry Vac:

Model Name: DeWALT 16 Gallon Poly Wet/Dry Vac/Acc, DXV16PA

Capacity: 16 Gallons (actual tank volume)

Motor Horsepower: 6.5 Peak Horsepower

Hose Length: 7 Feet

Power Cord Length: 20 Feet

Filter Type: Cartridge (included)

Special Features: Compact, Corded, Waterproof, Wet/Dry, Wheels, Silencing Muffler

Product Dimensions (L x W x H): 20.08" x 20.87" x 29.72"

Item Weight: 30.6 pounds

Noise Level: 50 dB

Color: Yellow

Material: Poly

UPC: 810941030062

Warranty Information

This DEWALT product is covered by a limited warranty. For specific details regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official DEWALT website. Keep your purchase receipt as proof of purchase for any warranty claims.

Customer Support

For technical assistance, replacement parts, or service inquiries, please contact DEWALT customer support. You can find contact information on the official DEWALT website or through the documentation provided with your product.
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