

INSTRUCTION MANUAL



**DWV010**  
**Heavy-Duty Dust Extractor Vacuum**

**Definitions: Safety Guidelines**

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.

**▲ DANGER:** Indicates an imminently hazardous situation which, if not avoided, **will** result in **death or serious injury**.

**▲ WARNING:** Indicates a potentially hazardous situation which, if not avoided, **could** result in **death or serious injury**.

**▲ CAUTION:** Indicates a potentially hazardous situation which, if not avoided, **may** result in **minor or moderate injury**.

**NOTICE:** Indicates a practice **not related to personal injury** which, if not avoided, **may** result in **property damage**.

- Do not allow the appliance to be used as a toy. Pay close attention when the appliance is used by or near children.
- Use this appliance ONLY as described in the manual. Use only DEWALT recommended attachments.
- Do not use this appliance with a damaged cord or plug. If the appliance is not working correctly, or if it has been dropped, damaged, left outdoors, or dropped in water, return it to a service center.
- Do not pull or carry this appliance by the cord, use the cord as a handle, close a door on the cord, or pull the cord around sharp edges or corners. Do not run the appliance over the cord. Keep cord away from heated surfaces.
- Do not unplug this appliance by pulling on the cord. To unplug, grasp the plug, not the cord.
- Do not handle the plug or appliance with wet hands.
- Do not put any objects into the openings of the appliance. Do not use the appliance with any opening blocked; keep free of dust, lint, hair and anything else that may reduce air flow.
- Keep hair, loose clothing, fingers, and all body parts away from the openings and moving parts.
- Turn off all controls before unplugging appliance.
- Use extra care when cleaning on stairs.
- Do not use the appliance to pick up flammable or combustible liquids, such as gasoline, or use in areas where flammable or combustible liquids are present.
- Static shocks are possible in dry areas or when the relative humidity of the air is low. This is only temporary and does not affect the use of the vacuum. To reduce the frequency of static shocks, add moisture to the air with a console, installed humidifier or use DWV9316 anti-static hose (standard on some models).
- To avoid spontaneous combustion, empty canister after each use.

## **IMPORTANT SAFETY INSTRUCTIONS**

**▲ WARNING:** When using electric appliances, always follow basic safety precautions to reduce the risk of fire, electric shock and personal injury, including the following:

### **BEFORE USING THIS APPLIANCE, READ AND FOLLOW ALL INSTRUCTIONS.**

**▲ WARNING:** To reduce the risk of electric shock. Do not expose to rain. Store indoors.

- Do not leave the appliance when it is connected to a power source. Unplug it from outlet when not in use and before servicing.

# SAVE THESE INSTRUCTIONS

## ADDITIONAL SAFETY RULES

- Connect to a properly grounded outlet only (See **Grounding Instructions**).
- This vacuum meets the EPA lead-related Renovations, Repair and Painting (RRP) Rule for HEPA vacuum **only** when used with the DWV9320 or DWV9330 HEPA Filter. (included with DWV010).
- Contact the United States Environmental Protection Agency (EPA) for more information on their Renovations, Repair and Painting (RRP) Rule.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use to vacuum combustible explosive materials, such as coal, grain, or other finely divided combustible material.
- Do not use to vacuum hazardous, toxic or carcinogenic materials, such as asbestos or pesticide.
- Never pick up explosive liquids (e.g. gasoline, diesel fuel, heating oil, paint thinner, etc.), acids or solvents.
- Do not use vacuum without filters in place, except as described under **Wet Pickup Applications**.
- Some wood contains preservatives which can be toxic. Take extra care to prevent inhalation and skin contact when working with these materials. Request and follow any safety information available from your material supplier.
- Do not use vacuum as a step ladder.
- Do not place heavy objects on vacuum.
- **An extension cord must have adequate wire size (AWG or American Wire Gauge) for safety.** The smaller the gauge number of the wire, the greater the capacity of the cable, that is 16 gauge has more capacity than 18 gauge. An undersized

cord will cause a drop in line voltage resulting in loss of power and overheating. When using more than one extension to make up the total length, be sure each individual extension contains at least the minimum wire size. The following table shows the correct size to use. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

- If an extension cord is to be used outdoors it must be marked with the suffix W-A or W following the cord type designation. For example – SJTW-A to indicate it is acceptable for outdoor use.

		Minimum Gauge for Cord Sets				
		Volts	Total Length of Cord in Feet (meters)			
Ampere Rating		120V	25 (7.6)	50 (15.2)	100 (30.5)	150 (45.7)
		240V	50 (15.2)	100 (30.5)	200 (61.0)	300 (91.4)
More Than	Not More Than		AWG			
0	6		18	16	16	14
6	10		18	16	14	12
10	12		16	16	14	12
12	16		14	12	Not Recommended	

**⚠ WARNING: Always wear proper personal hearing protection that conforms to ANSI S12.6 (S3.19) during use.** Under some conditions and duration of use, noise from this product may contribute to hearing loss.

**⚠ WARNING: ALWAYS** use safety glasses. Everyday eyeglasses are NOT safety glasses. Also use face or dust mask if area operation is dusty. **ALWAYS WEAR CERTIFIED SAFETY EQUIPMENT:**

- ANSI Z87.1 eye protection (CAN/CSA Z94.3),
- ANSI S12.6 (S3.19) hearing protection,
- NIOSH/OSHA/MSHA respiratory protection.

**⚠ WARNING:** Some dust contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- compounds in fertilizers,
- compounds in insecticides, herbicides and pesticides,

- arsenic and chromium from chemically-treated lumber.

To reduce your exposure to these chemicals, wear approved safety equipment such as dust masks that are specially designed to filter out microscopic particles.

For your convenience and safety, the following warning labels are on your vacuum.

ON MOTOR HOUSING (on back of vacuum head):

**⚠ WARNING:**

- THIS VACUUM MEETS THE EPA LEAD RELATED RENOVATIONS, REPAIR AND PAINTING (RRP) RULE FOR HEPA VACUUM ONLY IF DWV9320 OR DWV9330 HEPA FILTER IS USED.
- TO REDUCE THE RISK OF INJURY, USER MUST READ INSTRUCTION MANUAL. DO NOT RUN UNATTENDED. DO NOT PICK UP FLAMMABLE, COMBUSTIBLE OR HOT MATERIALS. DO NOT USE AROUND EXPLOSIVE DUST, LIQUIDS OR VAPORS. ELECTRICAL DEVICES PRODUCE ARCS OR SPARKS WHICH CAN CAUSE FIRE OR EXPLOSION. DO NOT USE AT FILLING STATIONS OR ANYWHERE GASOLINE IS STORED OR DISPENSED. DO NOT VACUUM TOXIC OR CARCINOGENIC MATERIALS OR OTHER HEALTH ENDANGERING MATERIAL SUCH AS ASBESTOS OR PESTICIDES. ALWAYS USE PROPER EYE AND RESPIRATORY PROTECTION. TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT EXPOSE TO RAIN. STORE INDOORS. WHEN SERVICING, USE ONLY IDENTICAL REPLACEMENT PARTS. NOT TO BE USED AS A STEP STOOL. (THE USE OF THIS MACHINE IN CONJUNCTION WITH THE PICK UP OF LEAD HAS NOT BEEN INVESTIGATED BY UL)

**⚠ CAUTION:** RISK OF FIRE AND INJURY. DO NOT EXCEED 15 AMPS. THE RECEPTACLE IS ENERGIZED WHEN THE VACUUM IS ON OR WHEN TOOL CONTROL IS ACTIVE. WHEN TOOL CONTROL IS ACTIVE, THE VACUUM WILL TURN ON

AUTOMATICALLY WHEN THE APPLIANCE CONNECTED TO THE RECEPTACLE IS TURNED ON.

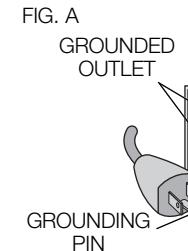
## SAVE THESE INSTRUCTIONS

### Grounding Instructions

This appliance must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

**⚠ WARNING:**

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the appliance – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.



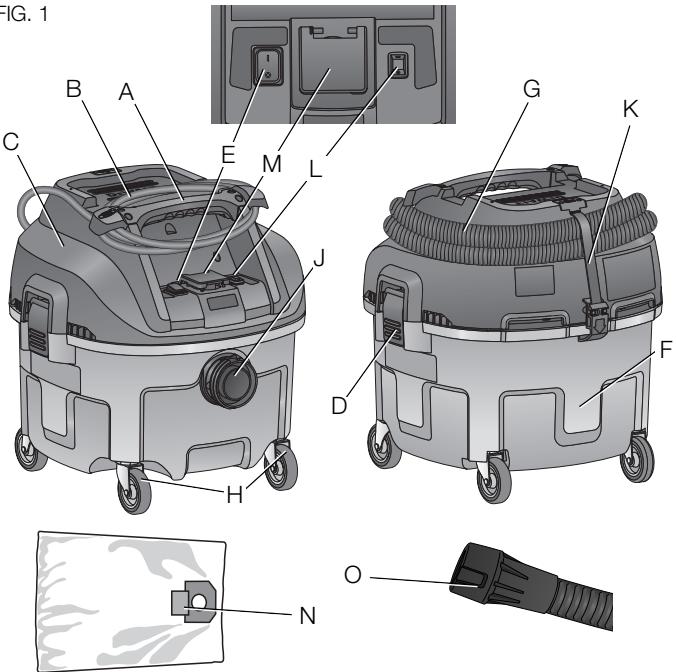
This appliance is for use on a nominal 120-volt circuit and has a grounding attachment plug that looks like the plug illustrated in Figure A. Make sure that the appliance is connected to an outlet having the same configuration as the plug. No adaptor should be used with this appliance.

### Motor

Be sure your power supply agrees with the nameplate marking. Voltage decrease of more than 10% will cause loss of power and

English

FIG. 1



overheating. DEWALT tools are factory tested; if this tool does not operate, check power supply.

**NOTICE:** DO NOT operate this tool on D.C. current. Tool damage may occur.

## SAVE THESE INSTRUCTIONS

### COMPONENTS (FIG. 1)

**WARNING:** Never modify the power tool or any part of it. Damage or personal injury could result.

A. Top handle/cord wrap	I. HEPA Filters
B. Power cord	J. Threaded hose inlet
C. Vacuum head	K. Hose strap
D. Canister latch	L. Tool control switch
E. On/off switch	M. Outlet for power tools
F. Canister	N. Bag
G. Anti-static suction hose	O. Airlock connector
H. Casters	

### ANTI-STATIC HOSE

The DWV010 is equipped with an anti-static grounding system including an anti-static hose which will prevent static shocks caused by vacuuming dry debris.

### INTENDED USE

This vacuum is used for fine particulate pick-up, like wallboard, concrete, wood or surface dust.

**DO NOT** use in rain or in presence of flammable liquids or gases. These heavy-duty vacuums are for professional use. **DO NOT** let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

**NOTE:** This vacuum is intended for commercial use.

### ASSEMBLY (FIG. 1-4)

**WARNING:** To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

**WARNING:** When using electric appliances, always follow basic safety precautions to reduce the risk of fire, electric shock and personal injury.

**⚠ WARNING:** The filters (I) must always be in place and tightened properly while vacuuming. Otherwise hazardous dust could come through the unit, except as described under **Wet Pick Up Applications** under **Operation**. When vacuuming fine dust, you may also use an additional paper bag or fleece bag to make emptying the canister easier.

1. If optional paper or fleece bag (N) is to be used, install as shown in Figure 3.

**NOTE:** Be careful not to tear the bag. Place bag securely onto the backside of the inlet (J) to provide a tight seal for maximum dust collection performance.

FIG. 3

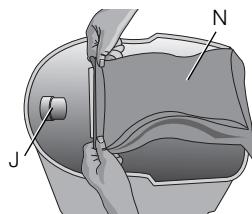


FIG. 2

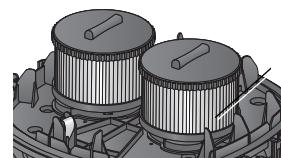
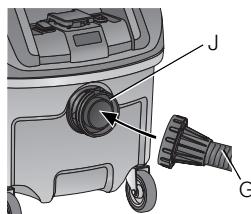


FIG. 4



2. Place the vacuum head (C) onto the canister and secure it by closing the canister latches (D).
3. Insert end of hose (G) into hose inlet (J) and rotate clockwise to lock in place.

## OPERATION

**⚠ WARNING:** To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

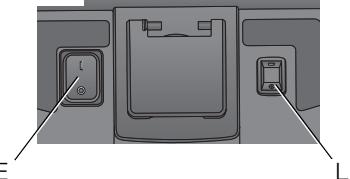
1. Plug the power cord into an appropriate outlet.

2. If tool actuation of vacuum is desired, see **Connecting the Power tools**.

3. Turn on the main on/off power switch (E).

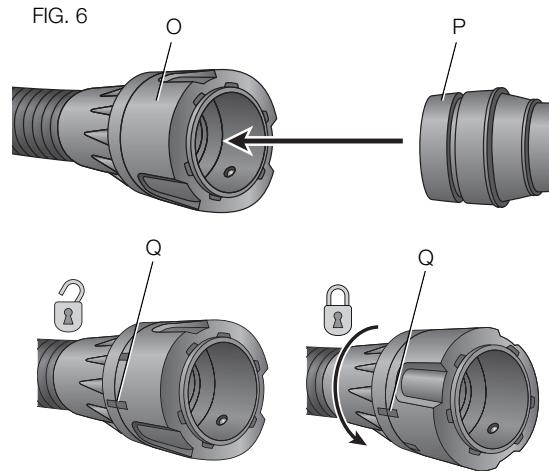
**NOTE:** If the tool control switch (L) is turned on, and no power cord is plugged into the outlet (M), the vacuum will turn on briefly and then off again to indicate the tool control switch (L) is in the on position.

FIG. 5



## CONNECTING TO POWER TOOLS (FIG. 1, 6)

1. Plug the vacuum power cord into an appropriate outlet.
2. Plug the power tool into the outlet (M) and make sure the power tool is properly grounded.
3. Turn on the tool control switch (L) to the ON position (I) prior to turning on the main power switch (E). This allows the vacuum to be turned on and off automatically with the power tool.
4. To switch back to manual mode, turn off the tool control switch. In manual mode the tool and the vacuum are turned on and off independent of each other.



- Choose the correct power tool adaptor (P) to fit the power tool connection on the tool to be used, refer to **Accessories** under **Maintenance**. Attach power tool adaptor (P) to power tool.
- Your DEWALT construction dust extractor is fitted with the DEWALT AirLock connection system. The AirLock allows for a fast, secure connection between the suction hose (G) and power tool. The AirLock connector (O) connects directly to DEWALT compatible tools or through the use of an AirLock adapter (available from your local DEWALT supplier). Refer to the **Accessories** section for detail on available adapters.

**Note:** If using an adapter ensure it is firmly attached to the tool outlet before following the steps below.

- Ensure the collar on the AirLock connector is in the unlock position. (Refer to Figure 6.) Align notches (Q) on collar and AirLock connector as shown for unlock and lock positions.
- Push the AirLock connector onto the adapter connector point.
- Rotate the collar to the locked position.

**NOTE:** The ball bearings inside collar lock into slot and secure the connection. The power tool is now securely connected to the dust extractor.

#### AUTOMATIC FILTER CLEANING SYSTEM

This vacuum has a highly effective filter cleaning system which minimizes filter clogging. Every 30 seconds, one of the two filters gets automatically cleaned. The cleaning process alternates between the filters and continues through the life of the unit.

**NOTE:** It is normal to hear a clicking sound during this process.

**NOTE:** After many hours of operation the automatic filter cleaning system may not be effective. When this happens the filters will need to be cleaned or replaced. Refer to **Filter** under **Maintenance**.

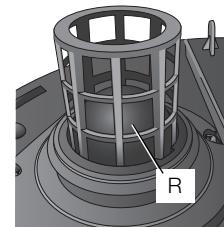
#### WET PICK UP APPLICATIONS (FIG. 1, 7)

**WARNING:** DO NOT connect power tools to outlet (M) when using the vacuum for wet pick up.

**WARNING:** Plug vacuum into GFCI protected outlet when using the vacuum for wet pick up.

**NOTICE:** DO NOT remove ball float (R), doing so will cause damage to the vacuum. The ball float keeps water from entering the motor.

FIG. 7



*Before using the vacuum for wet pick up:*

- Ensure the canister is empty and free of excessive dust.
- Remove filters (I).
- Plug vacuum into a GFCI protected outlet.

### TO EMPTY CANISTER (FIG. 1, 7)

The ball float valve (R) will block air to the motor when the canister is full and the sound of the motor will change at once. When the motor has a high pitched sound and air/water flow stops, empty the canister.

1. Turn off vacuum and unplug cord from outlet.
2. Unlatch canister latches (D) and remove vacuum head (C).
3. Empty contents of canister (F) into a suitable container or drain.

### TO CONVERT BACK TO DRY VACUUM OPERATION (FIG. 1)

1. Empty Canister, refer to **To Empty Canister** instructions.
2. Place canister upside down position until dry. DO NOT use wet canister for dry pick up.
3. Place vacuum head (C) on a level surface until dry.
4. Reinstall filters when vacuum head is dry. See **Filters under Maintenance**.
5. When canister is dry place the vacuum head (C) onto the canister and secure it by closing the canister latches (D).

### To Shut Down (Fig. 1)

1. Turn off the main on/off power switch (E).
2. Unplug the unit.

### MAINTENANCE

**WARNING:** *To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories.* An accidental start-up can cause injury.

### Filter (Fig. 1, 8, 9)

#### FILTER CARE

The HEPA filters included with this vacuum are long life filters. To be effective in minimizing dust recirculation, especially in lead paint (EPA RRP Rule) applications, the filters MUST be installed correctly and in good condition.

#### To Remove Filters

1. Turn off the main on/off power switch (E) and unplug cord from outlet.
2. Release canister latches (D) and remove vacuum head (C) from canister. Place vacuum head on a level surface upside down.
3. Turn each filter (I) counterclockwise by gripping it on the plastic end cover as shown, and carefully remove from head, ensuring debris does not fall into mounting hole.

**NOTE:** Use care to not damage filter material.

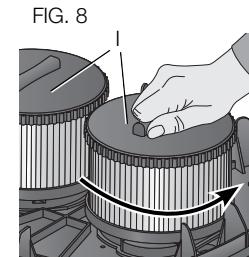
4. Inspect filters for wear, tears or other damage.

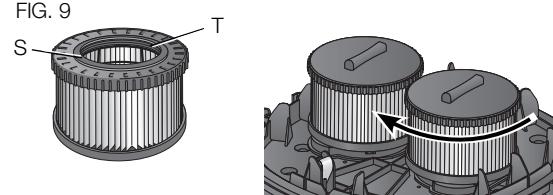
**NOTE:** If there is any doubt on the condition of the filters they MUST be replaced. DO NOT continue use if filters are damaged.

**WARNING:** Never use compressed air or a brush to clean filters, otherwise damage to the filter membrane will occur which will allow dust to pass through the filter. If needed, gently tap against a hard surface or rinse with room temperature water and let air dry. Cleaning of the filters is typically unnecessary. Even if the filter is covered with dust, the automatic filter cleaning system will maintain maximum performance and continue to function. If visual damage to the filter membrane exists, replace filters. Filters typically last between six and twelve months, depending on use and care.

#### To Install Filters

1. Ensure filter seal (S) is in place and is secure





2. Line up filter threads (T) to vacuum head threads and using moderate force, turn filter clockwise until tight.
- NOTE:** Use care to not damage filter material.
3. Place the vacuum head (C) onto the container and secure it by closing the canister latches (D).

## Cleaning

**⚠ WARNING:** Blow dirt and dust out of all air vents with dry air at least once a week. Wear proper ANSI Z87.1 (CAN/CSA Z94.3) eye protection and proper NIOSH/OSHA/MSHA respiratory protection when performing this.

**⚠ WARNING:** Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the plastic materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the motor.

## Storage (Fig. 1)

1. Empty the canister, refer to **To Empty Canister** under **Operation**.
2. Clean the vacuum inside and outside.
3. Clean or replace filters, refer to **Filters**.
4. Store the suction hose and the power cord as shown in the illustration. Secure hose with the hose strap (K) on the back of the vacuum. Place the unit in a dry room and secure it from unauthorized use.

## Accessories

**⚠ WARNING:** Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DEWALT recommended accessories should be used with this product.

Recommended accessories for use with your tool are available at extra cost from your local dealer or authorized service center.

### OPTIONAL ACCESSORIES

	DWW9330	HEPA filter: Captures 99.97% of all particles greater than or equal to 0.3 microns. Required when picking up lead paint debris.
	DWE46100	5"-6" (127-152 mm) Cutting/tuckpointing shroud
	DWE46101	5"-6" (127-152 mm) Cutting/tuckpointing shroud kit
	DWE46150	5" (127 mm) Cutting/tuckpointing shroud

	DWE46151	5" (127 mm) Cutting/tuckpointing shroud kit	The filter bags provide a clean, easy and quick way to dispose of the dust collected.
	DWE46170	7" (178 mm) surface grinding shroud	<b>Paper filter bags:</b> The DWV9401 filter bags are designed to capture many types of dust including drywall, concrete and wood. These bags should be disposed of once the airflow becomes restricted. DO NOT reuse bags.
	DWH050K	DWH050 drilling dust extraction system	 DWV9401 Disposable paper filter bag 3 gallon (11 L)
	DWH052K	DWH052 demolition dust extraction system	<b>Fleece filter bag:</b> The DWV9402 fleece bag is designed to capture many types of dust including drywall, concrete and wood. This bag should be disposed of once the airflow becomes restricted. DO NOT reuse this bag. The fleece bag is ideal for heavier materials such as concrete and drywall dust where a paper filter bag may tear.
	DWH053K	DWH053 chipping dust extraction system	 DWV9402 Disposable fleece filter bag 4.5 gallon (17 L)
	DWV9314	8' 2-1/2" Accessory Hose	The DWV9400 disposable plastic bag is designed to seal the liner to the tank inlet without being pulled into the filter during use. The plastic disposable bag allows for easy cleanup and disposal of dust and keeps dust from escaping back into the atmosphere during emptying. Because this bag is specially designed not to be pulled into the filter, there will be a small amount of dust remaining in the tank.
	DWV9315	15' Kink Proof Hose 1-1/4" hose	 DWV9400 Disposable plastic collection bag 5.7 gallon (21.5 L)
	DWV9316	15' Anti-Static Hose 1-1/4" hose	

## Repairs

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustments (including brush inspection and replacement) should be performed by a DEWALT factory service center, a DEWALT

authorized service center or other qualified service personnel. Always use identical replacement parts.

### ***Troubleshooting***

<b>PROBLEM</b>	<b>SOLUTION</b>
Motor does not run	Check power cord, plugs and outlet. Ensure the on/off switch is in the ON position (■) and that the tool control switch is in the off position.
Suction capacity decreases	Remove blockages in the suction nozzle, suction tube, suction hose or filters. Replace the paper or fleece bag. Check for proper installation of the filters. Clean or replace the filters. Empty canister, refer to <b>Empty Canister</b> under <b>Operation</b> .

PROBLEM	SOLUTION
Vacuum stops running	Thermal overload has been tripped: 1. Turn the vacuum off and disconnect vacuum cleaner from power source. 2. Empty the canister, if needed. 3. Allow the unit to cool. 4. Plug the power cord into an appropriate outlet and turn on/off switch to the ON position (■) to test.
Dust comes out while vacuuming	Check for proper installation of the filters. Ensure filters are not damaged; replace if necessary. Ensure filter seals are in place and are secure.
Automatic filter cleaning is not working	Listen for the solenoid clicking to ensure the filter cleaning mechanism is working.
Power tool does not turn on the dust extractor.	Ensure tool is plugged into the tool outlet on the dust extractor. Ensure the on/off switch is in the ON position (■). Ensure the tool control switch is in the ON position (■).

SPECIFICATIONS	
<b>DWV010</b>	
Volts	120 V ~
Hertz	60
Rated Current	15 A per UL1017
Nominal Motor Current	11.8 A
Capacity	8 gallon (30.2 liters)
Weight	21 lbs. (9.5 kg)