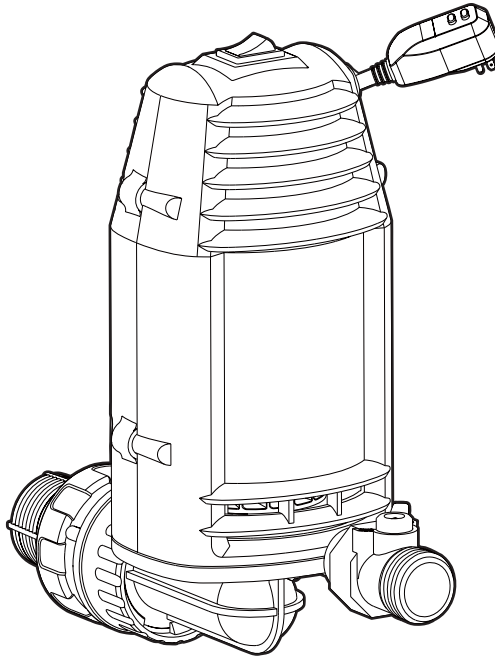




WET/DRY VAC
PUMP ACCESSORY

Operator's Manual



Model No. PE401

FOR YOUR SAFETY

Read and understand this manual before use.

Keep this manual for future reference.



Intertek
3084514
Conforms to UL
Standard 1017
Certified to CSA STD
C22.2 No.243-10

www.vacmaster.com
Cleva North America
601 Regent Park Court
Greenville, SC 29607

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FOR YOUR SAFETY: CAREFULLY READ AND UNDERSTAND ALL INSTRUCTIONS.

WARRANTY

We take pride in producing a high quality, durable product. This Vacmaster® product carries a limited one (1) year warranty against defects in workmanship and materials from date of purchase under normal household use. If product is to be used for commercial, industrial, or rental use, a 90 day limited warranty will apply. Warranty does not apply to defects due to direct or indirect abuse, negligence, misuse, accidents, repairs, alterations, or lack of maintenance. Please keep your receipt as proof of purchase. This warranty gives you specific legal rights, and you may have other rights, which may vary from state to state. For product support call Customer Service at (866) 384-8432.

SAFETY INSTRUCTIONS & WARNINGS

IMPORTANT SAFETY INSTRUCTIONS

Safety is a combination of using common sense, staying alert, and knowing how your Pump Accessory works.

SAFETY SIGNAL WORDS

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

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.

When using your Pump, always follow basic safety precautions including the following:

WARNING: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY:

- Read and understand this operator's manual and all labels on the Pump Accessory before operating. Use only as described in this manual.
- Do not operate this Pump Accessory without being installed on a Wet/Dry Vac or without the strainer installed.
- Do not install pump, motor, or any electrical components below water level. This pump is not submersible.
- Do not leave pump running while unattended.
- Do not use this Pump Accessory near, or for pumping flammable or

combustible liquids, gases, or explosive dusts, such as gasoline or other fuels, lighter fluid, cleaners, oil-based paints, natural gas, hydrogen, coal dust, magnesium dust, grain dust, or gun powder.

- Keep cord away from heated surfaces.
- Do not expose to rain. For indoors use only.
- Do not unplug by pulling on cord. To unplug, grasp the GFCI (Ground Fault Circuit Interrupt) plug, not the cord.
- Do not use with damaged cord, plug or other parts.
- Do not use Pump Accessory as a sprayer.
- If your Pump Accessory is not working as it should, has missing parts, has been dropped, damaged, left out doors, or dropped into water, return it to an Independent Service Center.
- Do not run pump dry. Damage may occur to pump.
- Do not pull or carry by cord, use cord as handle, close a door on cord, or pull cord around sharp edges or corners.
- Do not run Wet/Dry Vac over cord.
- Do not handle plug, the Wet/Dry Vac, or the Pump Accessory with wet hands.
- To reduce the risk of health hazards from vapors or dusts, do not vacuum or pump toxic materials.
- Do not use or store near hazardous materials.
- Do not plug the Pump Accessory into the same electrical circuit that is being used by the Wet/Dry Vac.
- For Wet Applications Only. Do not attempt to pump dry debris, or debris of any kind.

SAFETY INSTRUCTIONS & WARNINGS

- Do not leave Pump Accessory when plugged in. Unplug from outlet when not in use and before servicing. Turn off Pump Accessory before unplugging.
- To reduce the risk of injury from accidental starting, unplug power cord before changing or cleaning strainer.
- Do not put any object into ventilation openings. Do not operate pump with any ventilation openings blocked; keep free of dust, lint, hair or anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- To reduce the risk of eye injury, wear safety eyewear. The operation of any utility Vac or blower can result in foreign objects being blown into the eyes, which can result in severe eye damage.

- This pump is supplied with a grounding conductor and grounding-type attachment plug. To reduce the risk of electric shock, be certain that it is connected only to a properly grounded, grounding type receptacle.
- Test GFCI before each use.
- Do not allow Pump Accessory to be used as a toy. Close attention is necessary when used by or near children.

CAUTION:

- To reduce the risk of hearing damage, wear ear protectors when using for extended hours or using in a noisy area.
- For dusty operations, wear dust mask. Use this Pump Accessory only as described in this manual. Observe the following warnings that appear on the motor housing of your Pump Accessory and GFCI housing.

⚠ WARNING: FOR YOUR OWN SAFETY, READ AND UNDERSTAND OPERATOR'S MANUAL. DO NOT RUN UNATTENDED. DO NOT PICK UP HOT ASHES, COALS, TOXIC, FLAMMABLE, OR OTHER HAZARDOUS MATERIALS. DO NOT USE AROUND EXPLOSIVE LIQUIDS OR VAPORS.

⚠ WARNING:
To reduce the risk of electrocution, complete the following steps:

- 1) Plug in receptacle.
- 2) Press reset button. Indicator should be ON.
- 3) Press test button. Indicator should be OFF.
- 4) Press reset button for use. Do not use if test fails.

⚠ WARNING:
• To reduce the risk of electrocution, do not use extension cord to connect GFCI to power receptacle.

⚠ WARNING:
• To reduce the risk of electric shock, connect only to a properly grounded, grounding-type receptacle.

INTRODUCTION

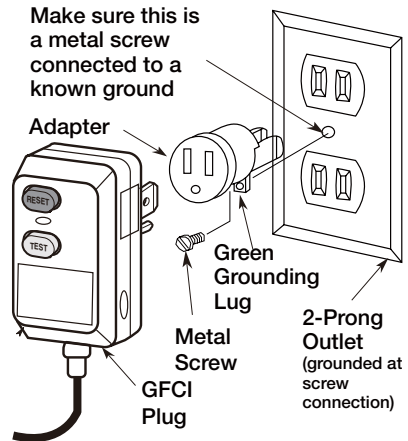
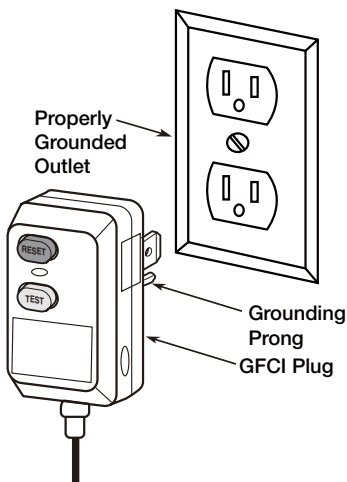
Grounding Instructions

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. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

⚠ WARNING: Risk of electric shock- This pump is supplied with a grounding conductor and grounding-type attachment plug. To reduce the risk of electric shock, be certain that it is connected only to a properly grounded, grounding-type receptacle.

⚠ WARNING: 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 pump is for use on a nominal 120-volt circuit, and has a grounded plug as illustrated in the sketch. A temporary adapter with a grounding lug may be used to connect this plug to a 2-pole receptacle if a properly grounded outlet is not available. The temporary adapter should only be used until a properly grounded outlet can be installed. The green-colored rigid ear, lug, or the like, extending from the adapter, must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adapter is used, it must be held in place by a metal screw. Please consult a qualified electrician if there is question how to connect to a ground with a 2-prong outlet. The pump should not be plugged into this outlet if it is not grounded.



This Pump Accessory is intended for indoor, household use only. When connected to a compatible Wet/Dry Vacuum, it may be used for light pumping of wet media. Familiarize yourself with the following product and features and read the entire owner's manual for specific usage of your new Pump Accessory.

Unpacking and Checking Carton Contents

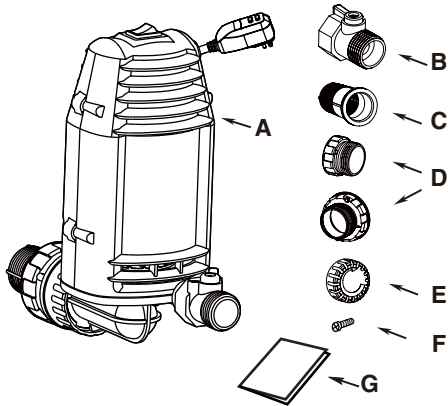
Remove entire contents of carton. Check each item against the Carton Contents List. If any parts are missing or damaged please call (866) 384-8432 for replacement. (www.vacmaster.com)

IMPORTANT NOTE

Please Read This Manual Carefully

Carton Contents List

Key	Description	Qty.
A	Pump Accessory	1
B	Shut-Off Valve	1
C	Strainer	1
D	Adapters	2
E	Drain Cap	1
F	Screw	1
G	Operators Manual	1

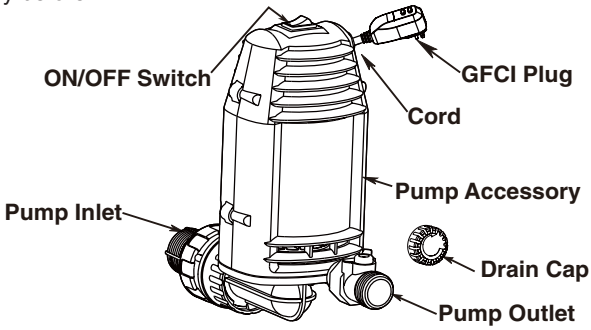
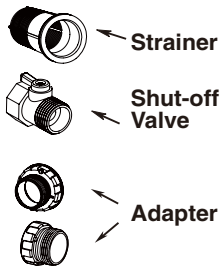


Tools Required

- Screwdriver

Getting to Know Your Pump

Familiarize yourself with the control and features of your Pump Accessory before operating.

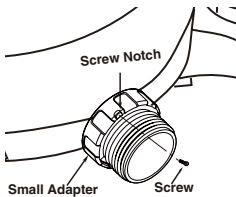
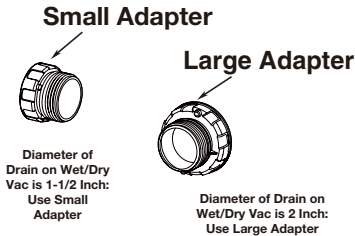


ASSEMBLY

Pump Accessory Assembly

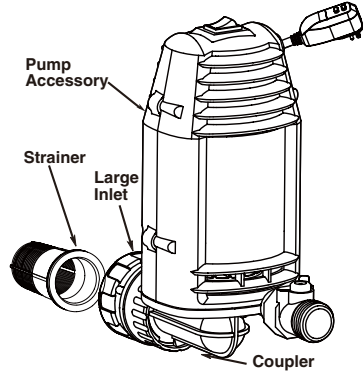
Your Pump Accessory will work on most Wet/Dry Vacuums that have a drain at the bottom of the drum. When attaching the pump to the drain of your vacuum, you will use most of the parts included in this kit.

1. Mount adapter onto the drain of your Wet/Dry Vac and firmly tighten by hand. Locate screw notch and install the supplied #16 x 2.6-inch long screw.



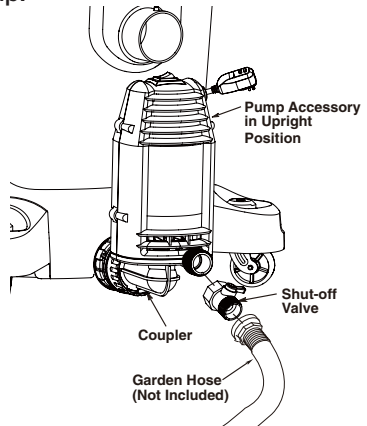
NOTE: The drain adapter is now a permanent fixture on your vacuum. Use the original Wet/Dry Vac drain cap when the pump is not in use.

2. Push the strainer into the large inlet of the pump assembly. With the strainer installed, slide the Pump Accessory into the adapter previously installed on the vacuum, positioning the pump in an upright fashion. Tighten the coupler by hand until secure.



NOTE: The connection is designed to prohibit rotation of the pump after installation, so proper alignment must be achieved before the coupler has been tightened.

3. After the pump assembly is securely attached to the drain, the shut-off valve should be installed to the outlet of the pump and turned to the closed position. Without this shut-off valve installed, liquid will leak through the pump outlet. Connect a standard size garden hose (not included), up to 50 feet in length, to the outlet end of the shut-off valve. Longer lengths will cause reduced performance of the pump.



OPERATION

▲ WARNING: To reduce the risk of fire or explosion, do not operate this vac in areas with flammable gases, vapors, or explosive dust in the air. Flammable gases or vapors include but are not limited to; lighter fluid, solvent type cleaners, oil-base paints, gasoline, alcohol, or aerosol sprays. Explosive dusts include but are not limited to; coal, magnesium, aluminum, grain, or gun powder. Do not vacuum explosive dust, flammable or combustible liquids, or hot ashes. Do not use this vac as a sprayer. To reduce the risk of health hazards from vapors or dusts, do not vacuum toxic materials. Store Pump Accessory indoors. Do not submerge pump or power cord.

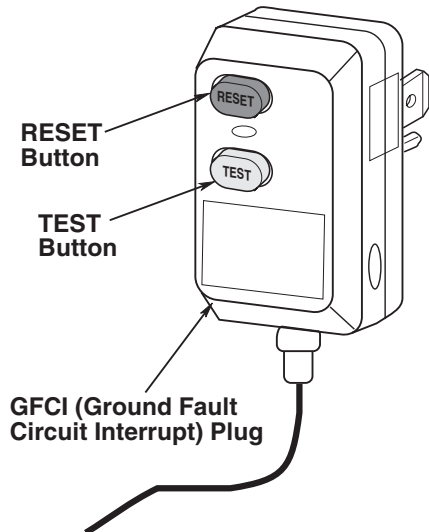
▲ WARNING: The operation of any utility vac can result in foreign objects being blown into the eyes, which can result in severe eye damage. Always wear safety eyewear complying with ANSI Z87.1 (or in Canada, CSA Z94.3) before starting operation. Safety eyewear is available at many local retail stores.

▲ CAUTION: To reduce risk of hearing damage, wear ear protectors when using the vac for extended hours or when using it in a noisy area.

To reduce the risk of electric shock, this Pump Accessory has a built-in GFCI (Ground Fault Circuit Interrupt) plug with a ground connection. The plug must be used on a properly-grounded outlet. If the plug does not fit into the outlet, contact a qualified electrician to install the proper outlet. Do not modify the plug in any way.

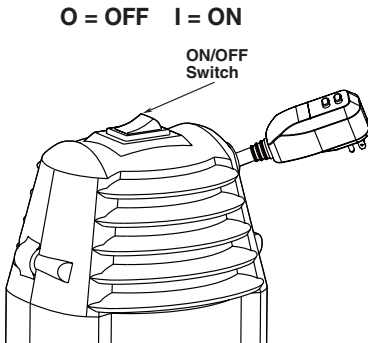
After you plug the power cord into the outlet, you should always test the GFCI. Press the red “RESET” button to reset your Pump Accessory. This has to be done each time the pump accessory is plugged into an outlet. If the red “RESET” indicator does NOT pop up, your unit is not functioning properly and you should contact an Independent Service Center to have your Pump Accessory serviced. Once you have plugged the power cord into the outlet and the tested GFCI, you are ready to run your pump.

NOTE: The Pump Accessory should not be operated on the same circuit as the Wet/Dry Vac.



Using Your Pump Accessory

Turn on the unit by pushing the switch from position “O” to position “I”. The symbols used on the switch actuator are international “On & Off” symbols. “O” is the symbol for “OFF” and “I” is the symbol for “ON”.



Your Pump Accessory will work best when being used to pump large amounts of liquid. If the liquid does not fill the drum so that it covers the drain on the inside of your Wet/Dry Vac, the pump may not function properly. Due to the function of Wet/Dry Vac and the Pump Accessory, the pump will not operate properly if your vac is running.

1. Make sure that your pump is connected to the drain of your vac (See Assembly), and that the GFCI is functioning properly. If you require a hose, connect it to the outlet of the pump.
2. Close the shut-off valve and vacuum up the intended liquid until your Wet/Dry Vac stops picking up the liquid or until all liquid is cleaned up.
3. Turn your vac off, allowing it to stop completely. Position hose to the desired location to empty drum

contents. Open the shut-off valve located between the outlet of the Pump Accessory and the garden hose.

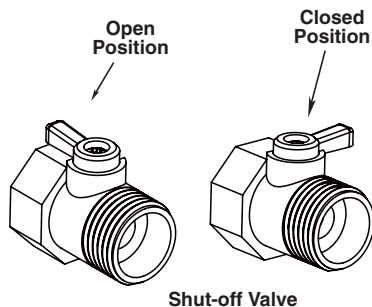
4. Turn your pump on allowing it to pump out as much of the liquid in the drum as possible. When you notice that the pump is no longer moving any water through the hose and the speed of the motor increases, turn the pump off.

⚠ WARNING: To reduce the risk of fire or electric shock, do not run vac unattended.

5. To verify drum is mostly empty, unplug the pump and vac, remove vacuum powerhead and inspect the drum contents. If liquid is still in drum, see “Troubleshooting” section on page 11.

NOTE: Do not run pump dry or damage may occur to internal components of the pump and void warranty.

6. Unplug the pump, unplug and remove the powerhead of your Wet/Dry Vac and clear any debris that may have collected on or near the strainer of the pump. Reinstall the power head and repeat steps 2 through 5 as required.



MAINTENANCE

Cleaning Strainer

⚠ WARNING: To reduce the risk of injury from accidental starting, unplug power cord before cleaning strainer.

Your pump requires no additional lubrication or maintenance beyond keeping it clean and free of debris.

Cleaning

Before storing the pump, it should be cleaned.

To clean the Pump Accessory, rinse out your vac drum so that it is free of any debris. Fill the drum 3/4 of the way full with clean water and allow the pump to pump the water out. For vacuums under 12-gallons, perform this procedure twice. Remove the remaining water from the drum; remove the Pump Accessory from the drain and install the supplied drain cap to the permanently installed drain adapter.

To keep your pump looking its best, clean the outside with a cloth dampened with warm water and mild soap. Remove any excess water or debris with a dry cloth.

Cord Storage

Wrap the cord up and use the attached hook & loop strap to retain the cord.

Storing the Pump Accessory

When not in use, store your Pump Accessory in a cool, dry location with the cord wrapped up using the supplied hook & loop cord wrap.

⚠ WARNING: Extreme temperatures can cause the motor seal to fail, allowing water into the motor.

The original Wet/Dry Vac drain cap should then be installed on the drain adapter that has been permanently attached to the drain of your Wet/Dry Vac.

⚠ WARNING: To assure product SAFETY and RELIABILITY, repairs and adjustment should be performed by Independent Service Centers, always using Vacmaster replacement parts.

TROUBLESHOOTING

Problem	Remedy
No Flow/Restricted Flow	<ol style="list-style-type: none">1) Check strainer for clog.2) Make sure water is in vac tank.3) Check shut-off valve.4) Check for kink in hose.5) Make sure hose outlet does not exceed 50 feet.
Unit Does Not Turn On	<ol style="list-style-type: none">1) Check GFCI-see page 8.2) Make sure Pump Accessory is plugged in.3) Make sure switch is on.4) Check house circuit breaker/fuse.
Leaking	<ol style="list-style-type: none">1) Check fit on adapter.2) Check coupler fit and "O" ring.3) Check shut-off valve fit and "O" ring.4) Check garden hose fit and make sure hose washer is in place.
Odor (Electrical)	<ol style="list-style-type: none">1) Unplug Pump Accessory.2) Check for blockage.3) If Pump Accessory continues to have an electrical odor, return to Service Center.

REPAIR PARTS

PE401 Wet/Dry Vac Pump Accessory

Always order by part number, not by key number. Always mention the model number when ordering parts. The model number is found on the serial plate located on the pump. To order parts, call 1-866-384-8432.

⚠ WARNING: To reduce the risk of injury from electrical shock, unplug power cord before servicing the Wet/Dry Vac Pump Accessory.

Key No.	Part Number	Description	Quantity
1	PA01DM.10.15	Adapter 1 (small)	1
2	PA01DM.10.14	Adapter 2 (large)	1
3	PA01DM.10.08	Strainer	1
4	FV9144.80.00	Shut-Off Valve	1
5	BOA2SP.26.16	Screw	1
6	VM01SR.10.08	Drain Cap	1
7	PA01BZ.20.60	Owner's Manual	1

