



Shown with optional  
50 gallon barrel



# DUSTLESS® DUSTDROID 600 VACUUM OWNERS MANUAL

Write your serial number and model number below for your records. Model and serial numbers are found next to the plug. You should record both model and serial numbers in a safe place for future use.

Serial Number \_\_\_\_\_

Model Number \_\_\_\_\_ DustDroid 600

## THREE-YEAR LIMITED WARRANTY

At Dustless Technologies, we stand behind what we build. We warranty this product, to the original retail purchaser, against defects in materials or workmanship for a period of (3) three years after date of purchase.

This limited warranty does not cover claims resulting from: (I) misuse (II) neglect (III) modification (IV) failure to follow instructions.

### Warranty Card

Please, fill out your warranty card online at [dustlesstools.com](http://dustlesstools.com) within 90 days of purchase.

### Warranty Claims

For warranty or returns with any of our products, please contact your place of purchase. Technical support is available at (800) 568-3949 or send an email to [orders@dustlesstools.com](mailto:orders@dustlesstools.com).

**Dustless**  
TECHNOLOGIES

800.568.3949  
1285 East 650 South  
Price, Utah 84501  
[dustlesstools.com](http://dustlesstools.com)

# IMPORTANT SAFETY INSTRUCTIONS

## IMPORTANTES MESURES DE SECURITE    IMPORTANTE PARA SU SEGURIDAD

### SAVE THESE INSTRUCTIONS

### CONSERVER CES INSTRUCTIONS

### GUARDAR ESTA INSTRUCCIONES

NOTE: The reading and understanding of the Owner's Manual is imperative prior to operating this machine. If you or your operator(s) cannot read English, have this manual explained fully before attempting to operate this machine. Si Ud. o sus operadores no pueden leer el inglés, el contenido completo de este manual será explicado antes de intentar operación de esta máquina.

*Read the Owner's Manual completely before attempting to operate this unit. Failure to follow the warnings and instructions may result in burns, fire, electric shock, or personal injury:*

#### Work Area Safety

- Do not operate vacuum in explosive atmospheres. Sparks from static electricity or the motors may ignite dust or fumes.

#### Electrical Safety

- Connect to a properly grounded outlet. See grounding instructions.
- Always unplug unit when not in use and before servicing.
- Electrical parts of this vacuum may only be worked on by a skilled electrician and in accordance with the electrical engineering regulations.
- Do not handle plug or operate vacuum with wet hands.

#### Personal Safety

- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Do not change filters, clean the unit, or empty the tank until the plug has been disconnected from the electrical outlet.
- Use special care when emptying heavily loaded canisters.
- Keep hair, loose clothing, fingers and all parts of body away from openings and moving parts. There is a risk of injury through getting stuck or being drawn into moving machinery.
- Use extra care when working on stairs.
- Injury to the eyes and or body can occur if protective clothing and or equipment is not worn. Always wear safety goggles, protective clothing, hearing protection, and a dust mask. Exposure to high noise levels can cause hearing loss or impairment. Wear OSHA-approved hearing protection when using this vacuum.

#### Tool Use and Care

- Always check the filters before each use. Do not use without a dust collection bag and filters in place.
- Do not use with damaged cord or plug.
- Do not use if vacuum is not working as it should.
- Do not pull or carry by the cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run vacuum over cord. Keep cord away from heated surfaces.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Turn off all controls before unplugging.
- Take notice of all safety and hazard notices on the vacuum.
- All safety and hazard notices on the vacuum must be kept complete and legible.
- Changes, add-ons, or conversions of the vacuum which might have an influence to the safety of the vacuum must not be undertaken without the permission of the manufacturer. This applies in particular to the fitting and adjustment of safety devices and to welding on major and load bearing parts.
- Spare parts must always comply with the technical requirements and the specifications of the manufacturer. This is always guaranteed with original spare parts from the manufacturer.
- Inspection intervals and times for recurring checks specified in these Operating Instructions must be complied with.
- In the event of operational malfunctions the vacuum must be shut down immediately. The malfunction must be rectified before starting the vacuum again!
- The dust bin of the dust collector has to be emptied before transportation.
- Should dust begin to blow out of the vacuum, it must be shut down, cleaned (including the motor housing) and the problem fixed before returning to service. Failure to do so could put dangerous dust in the air and will void the warranty.

#### Service

- Adjustments, servicing, and inspection work and inspection intervals specified in these Operating Instructions, as well as any information on the replacement of parts and systems of the vacuum must be undertaken and complied with.
- These activities can only be undertaken by qualified personnel.
- Make sure that electrical components used for replacement purpose comply with the original parts and are correctly adjusted if necessary.
- Before performing any maintenance, place the vacuum in the safety off position which is the position of the vacuum when it cannot generate any hazard. To do this switch off the dust collector, pull out main plugs and secure the vacuum against unintended start up.

#### Specific safety rules

- Do not try to recover any liquid with this vacuum. This vacuum is for DRY RECOVERY only.
- Do not use to pick up flammable or combustible liquids, such as gasoline.
- Do not pick up any objects that are burning or smoking, such as cigarettes, matches or hot ashes.
- Please handle in accordance with the regulation of how to dispose of the dust so that you meet the requirements of local regulations
- WARNING** - to reduce the risk of electric shock - Do not use on wet surfaces. Do not expose to rain. Store indoors.
- CAUTION** - This appliance has more than one connection to the source of supply. To reduce the risk of electric shock - disconnect all such connections before servicing.
- This appliance is intended for commercial use and household use.

#### Grounding Instructions:

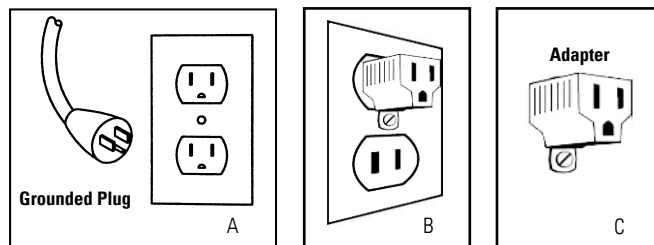
This appliance must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted 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.

(For the H0300) This appliance is for use on a nominal 120-V circuit, and has a grounded plug that looks like the plug illustrated in sketch A. A temporary adaptor that looks like the adaptor illustrated in sketches B and C may be used to connect this plug to a 2-pole receptacle as shown in sketch B if a properly grounded outlet is not available. The temporary adaptor should be used only until a properly grounded outlet (sketch A) can be installed by a qualified electrician. The green colored rigid ear, lug, or the like extending from the adaptor must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adaptor is used, it must be held in place by a metal screw. Exception: In Canada, the use of a temporary adaptor is not permitted by the Canadian Electrical Code, C22.1.

(For the H0300) This appliance is for use on a nominal 120-V circuit and has a grounding attachment plug that looks like the plug illustrated in sketch 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.

(For the H0600) This appliance is for use on a circuit having a nominal rating more than 120 V (or This appliance is rated more than 15 A and is for use on a circuit having a nominal rating of 120 V) and is factory-equipped with a specific electric cord and plug to permit connection to a proper electric circuit. 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. If the appliance must be reconnected for use on a different type of electric circuit, the reconnection should be made by qualified service personnel.



# Setup



1. Take hose bags out of crate. Release the tie down on the vacuum, unlock the caster brakes and pull out the vacuum.
2. Remove the "Docking Station" from the bottom of the crate with a 7/16" socket. (The docking station can now be attached to a trailer or van to aid in safely transporting your vacuum.)
3. Run your vacuum through the Daily Operating procedures and it is ready to go.

## How To Use

### Power:

- 120/240 Volt Vacuums:

240 V Option: Connect to two phase 240 volt 50/60 HZ with a common & a ground turn lock. Then connect the two cords hanging under the panel into the 120 volt plugs.

120 V Option: Use two power cords plugged into separate breakers and plug them into the two male plugs on the vacuum.

- 240 Volt only vacuums:

Connect to two phase 240 volts 50/60 HZ with a ground using a turn lock connector.

**Note:** It is possible to use only one motor by only plugging in one 120V plug. If this is done, the motor closest to the cyclone must be ran. The hose between the unused motor and filter must be unplugged and the lid hole must be sealed off. When using 1 motor, the cyclone may not work as efficiently & the water lift gauge will not work correctly.

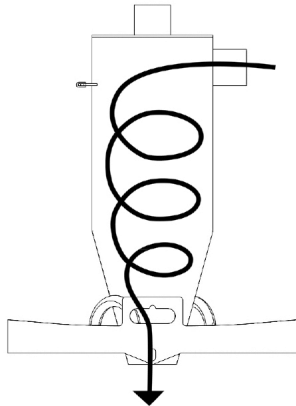
**WARNING:** Using 3 phase power will void the warranty and burn up the motors.

### Filtration:

- There is an on board cyclone separator that collects up to 98% of the dust during operation.

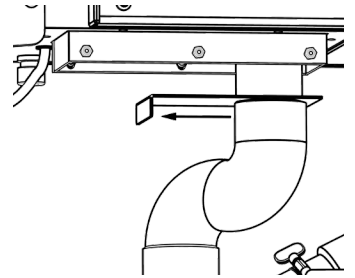
**Note:** The more air moving through the cyclone the more efficient it is, some applications may require opening an extra airway for more air flow.

- Should the cyclone be compromised (like when the tank is completely full), all the dust will flow into the filter tank.
- Dust that is not captured by the cyclone will be caught by the HEPA filters in the filter housing.



### HEPA Filters:

Reverse pulse: Under the motor house are levers that when pulled back will reverse the flow of air through the filters for cleaning. To do this grab the handle and quickly pull the handle back and release it several times. Do not hold the handle back as this could cause dust to be released into the work environment.



Manual: Detach barrel and lid from hoses and straps, pull the barrel out from under the motor housing then take the lid off to access the filters. Filters can be changed using a 5/32" hex allen wrench.

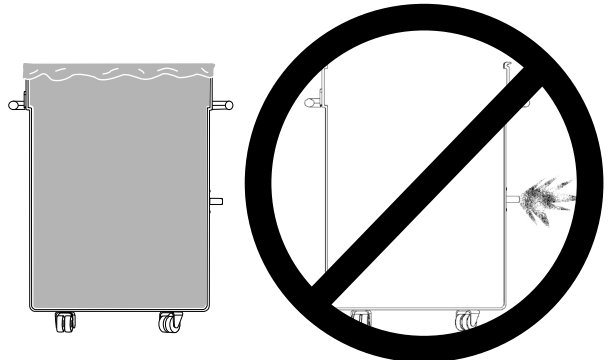
To clean a filter, take the filter out of the vacuum and remove the dust on it. This can be done by either:

tapping it on the ground, using a second vacuum, blowing it off with compressed air or washing the filter off.

- The tank under the cyclone must be used with a plastic trash bag in place for ease of disposal & proper dust control.

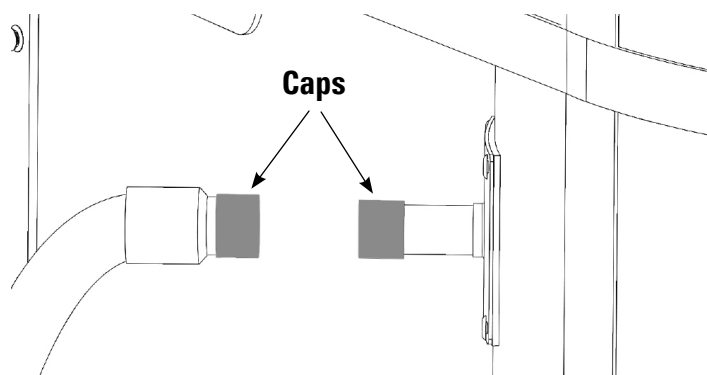
**WARNING:** Running without a bag or with a dirty tank will allow dust to be pulled directly into the motor and out the exhaust, contaminating the work environment.

**WARNING:** USE ONLY 6 MIL BAGS! Thin bags may pull into the cyclone during operation.



# How To Use

**Note:** If bags are not available, it is possible to safely run the vacuum by unplugging the small 3/4" equalizer vacuum hose from the tank without a bag and plugging both the hose and the tank port. This will allow for normal operation except that the operator will then have to dump the dust collected in the tank and the tank will have to be thoroughly cleaned before using bags again. If you fail to disconnect and plug the equalizer hose and port, excessive dust will flow directly to the HEPA filters.



## Operation

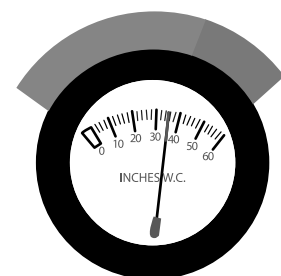
This vacuum is equipped with a filter gauge that measures the resistance of airflow through the vacuum. Generally the gauge will rise as the filter becomes clogged. When the gauge shows red, the filters should be cleaned or swapped. The amount of time between cleaning intervals varies with amount and size of dust being collected over a given period.

**Note:** The gauge reading will change depending on the length of hose and which tools are being used.

Dust collection tanks have a 30 or 50 gallon capacity.

Install the plastic collection bag in the tank with excess plastic gathered and draped over edge of tank.

**WARNING:** The actual dust collection capacity should be based on whatever is an acceptable weight to handle. If the tank is filled to create an unmanageable weight for an individual to safely lift, the operator is required to utilize a mechanical lifting device. Consult local regulations regarding disposal of debris and follow those regulations.



**Note:** Your vacuum will generally be the most efficient when the meter is between 30-40 when running two motors.

## Storage

Clean the vacuum and replace the tank bag.

Place adapters, fittings, hose(s) and power cords in hose bag or tank.

Lock wheels before leaving vacuum

## Transportation

Complete storage list first.

Put vacuum in docking station and securely strap it down.

Lock wheels.

## Extension Cords

Volts	Total Length of cord in feet			
120V	25	50	100	150
Ampere Rating 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	

When using the appliance at a distance where an extension cord becomes necessary, a 3-conductor grounding cord of adequate size must be used for safety, and to prevent loss of power and overheating. Use the table to the left to determine A.W.G. wire size required. To determine ampere rating of your vacuum, refer to nameplate located on rear of motor cover. Before using appliance, inspect power cord for loose or exposed wires and damaged insulation. Make any needed repairs or replacements before using your appliance. Use only three-wire outdoor extension cords which have three-prong grounding-type plugs and three-pole receptacles which accept the extension cords plug. When vacuuming liquids, be sure the extension cord connection does not come in contact with the liquid.

**NOTE:** STATIC SHOCKS ARE COMMON 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 APPLIANCE, TO REDUCE THE FREQUENCY OF STATIC SHOCKS IN YOUR HOME; THE BEST REMEDY IS TO ADD MOISTURE TO THE AIR WITH CONSOLE OR INSTALLED HUMIDIFIER.

# Maintenance

Special attendance and regular maintenance of the vacuum and its parts are imperative for functioning and safety.

## Daily — Prior to Operation

1. Clean tanks and install tank bags checking for holes in bags (Never reuse bags).
2. Inspect that filters in the filter tank are in place, in good condition (replace or clean if needed) and that bolts are tight.
3. Attach equalization hoses to tanks & strap tanks to housing.
4. Leave the cyclone off and turn on the vacuum to help remove air between tank and bag.
5. Put cyclone in place and latch, latches should pull cyclone down  $\frac{1}{4}$ ".
6. Attach hose from cyclone to filter tank lid & check that clamps are tight.
7. Check the electric connections for sediments of dirt or foreign bodies (not shown).
8. Check all electrical cables for cuts or damage (not shown).
9. Check the casters for debris and that they are in good working condition.

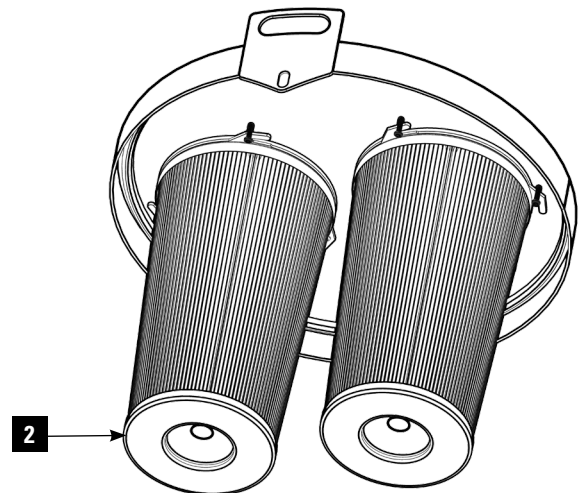
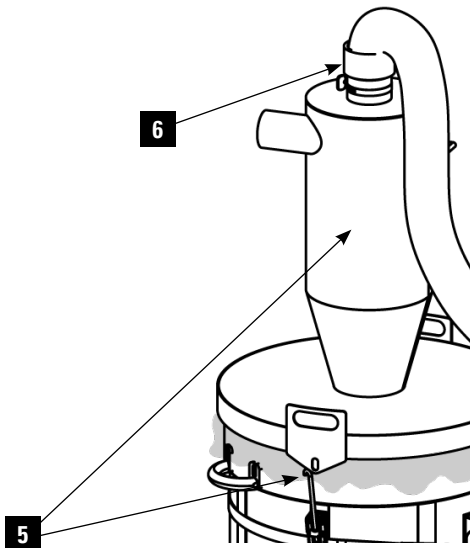
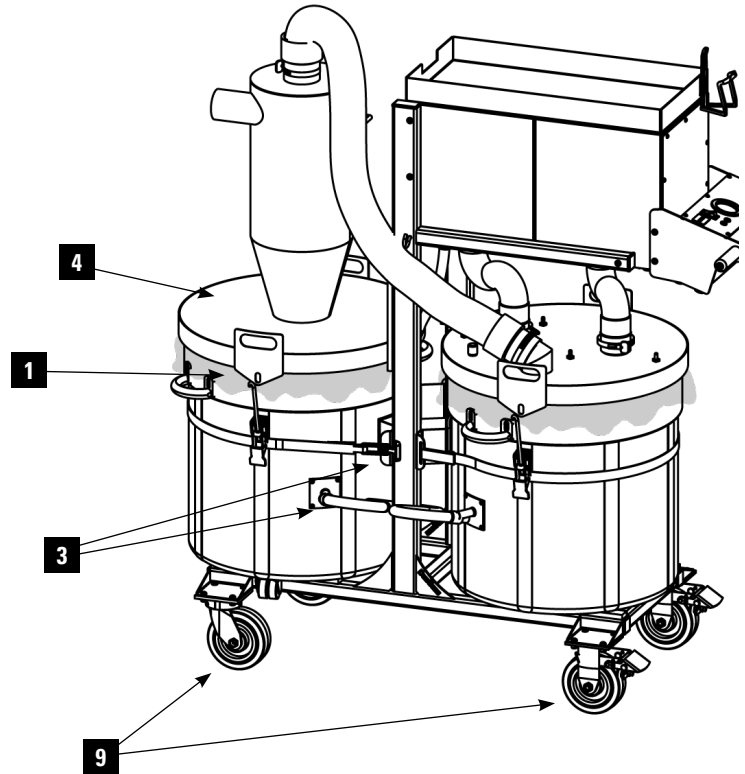
At recommended hours below:

Every 800 hours: Replace Motor Brushes

Every 1000 hours: Replace Filters

**Note:** In order to prevent unnecessary downtime, it is recommended that you keep the following items in stock:

- 2X Filters
- 2X Motor Brush Sets (H0085)
- Tank Bags



# Frequently Asked Questions



Question	Answer
Why is so much dust going into the filter housing?	Tank is full and needs to be emptied. Bag has sucked up into cyclone, fix it. Bag is not in tank & tank has a leak, plug leak. Cyclone seal needs to be fixed.
Why is the Bag sucking up into the cyclone?	Attach equalizer hose to tank port Remove air between tank & bag before adding cyclone lid Bag is not thick enough and needs replaced with a 6 mil bag Tank has an air leak, plug leak Equalizer hose is plugged or has a hole
Suction is low	Clean the filters. Check for blockages in hoses and cyclone. Inspect seals on door and lids, and hoses for holes and leaks. Motor has improper voltage or has stopped, check voltage & motors
Dust collection inadequate even though vacuum is good	Check the machine shroud for leaks and proper clearance between the shroud and work surface (tighter to surface is generally better).
Motor is not running	Check that vacuum is plugged in and has correct power Circuit breaker has tripped and needs to be reset. Brushes are consumed and need to be replaced. Power switch or motor has gone bad, check them.
Vacuum is blowing dust	Filter has not sealed properly and needs to be reseated. Dust is inside the tank coming through the equalization hose because the bag is not in place or has holes in it.

# Accessories



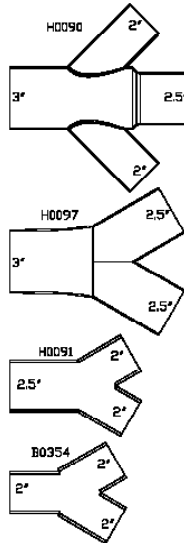
## DustDroid 600 – H0601

(Standard 3" x 25' hose – H0037)

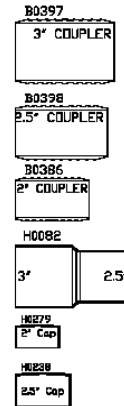
Droid 600 3-Way Kit H1006		
1	H0090	metal 3-way splitter (3" x 2.5" x 2" x 2")
1	H0037	3" x 25' hose with cuffs
1	H0035	2" X 50' hose with cuffs
1	H0238	3" rubber port cap
1	H0279	2" rubber port cap

Droid 600 2-Way Kit H1007		
1	H0097	metal 2-way splitter (3" x 2.5" x 2.5")
2	H0037	3" x 25' hose with cuffs
1	H0039	2.5" hose splicer

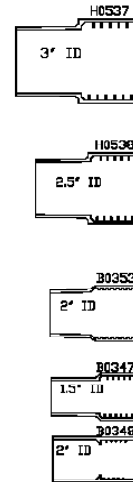
### Splitters



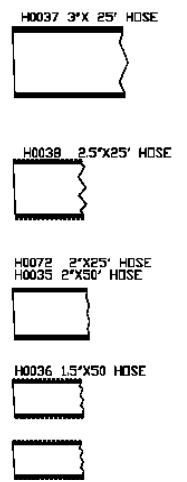
### Couplers & Caps



### Cuffs



### Hoses w/ Cuffs



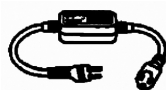
## Other Products Available

(not to scale)

HEPAPack  
#15505



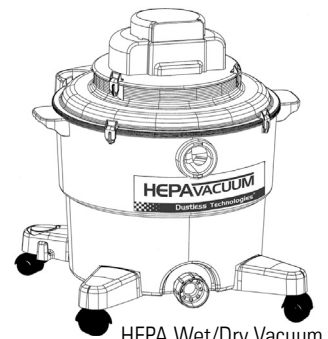
VacPod/ToolPod  
#D5254



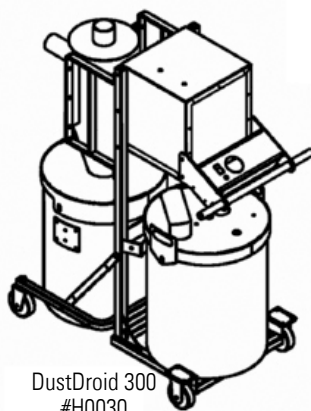
Dustie #D1854



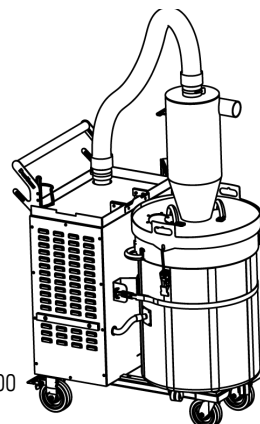
DustBuddie #D1835



HEPA Wet/Dry Vacuum  
16 Gallon #16006



DustDroid 300  
#H0030



DustPro 600  
#H0060



Wet/Dry Vacuum  
16 Gallon #16003