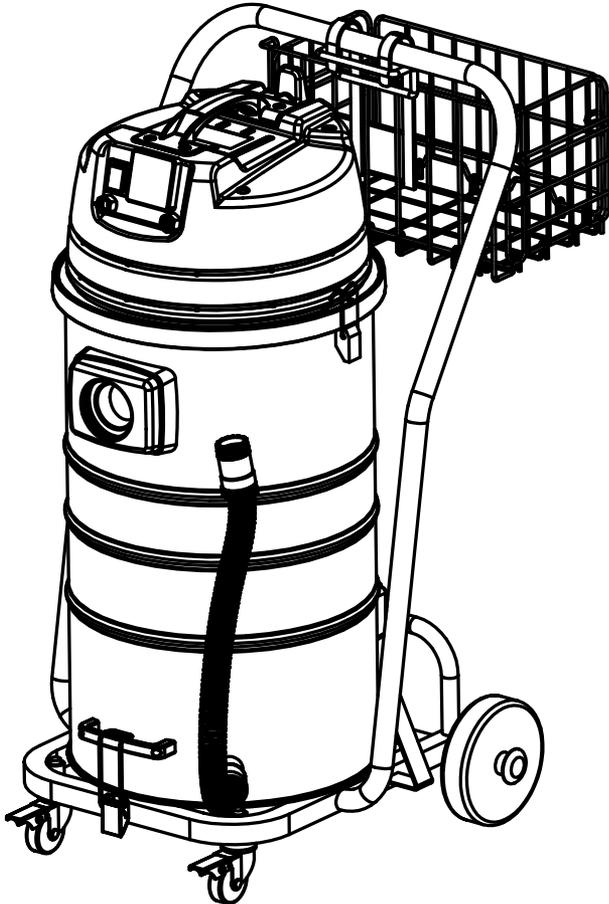

Alpha[®] HEPA Wet/Dry Vacuum Manual



Part No: HWD2120/HWD2240
Version 1

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INTRODUCTION

Thank you for purchasing an Alpha® HEPA Wet/Dry Vacuum for Pneumatic and Power Tools. This vacuum cleaner is a high-quality, precision made product. All parts used in the manufacturing of this vacuum cleaner have passed rigid quality control standards prior to assembly and an “each unit” final inspection prior to packaging is your assurance of proper assembly. This vacuum cleaner was protectively packaged to prevent possible damage in transit. Should damage occur, please notify the transporting carrier immediately for loss and/or claim.

► ABOUT THE SYMBOLS

According to the hazard level, all safety notes in this manual are classified into “DANGER”, “WARNING”, and “CAUTION”.

 **DANGER!** Death or serious personal injury is imminent when handling this vacuum incorrectly.

 **WARNING!** There is a possibility of death or serious personal injury when handling this vacuum incorrectly.

 **CAUTION!** There is a possibility of personal injury or property damage when handling this vacuum incorrectly.

Note: *In some situations, failing to observe WARNING notes could result in death or serious personal injury. Be sure to read and observe the safety notes to ensure safety and correct use of the vacuum.*

► GENERAL SAFETY INSTRUCTIONS

When using an electrical appliance, basic precaution should always be followed, including the following:

**READ ALL INSTRUCTIONS
BEFORE USING THIS VACUUM CLEANER**

WARNING

To reduce the risk of fire, electric shock or injury:

1. Do not leave appliance when plugged in. Unplug from outlet when not in use and before servicing.
2. Do not expose to rain. Store indoors.
3. Do not allow to be used as a toy. Close attention is necessary when used by or near children.
4. Use only as described in this manual. Use only manufacturer's recommended attachments.
5. 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, contact the Alpha® Tool Department.
6. Do not pull or carry by cord, use as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliances over cord. Keep cord away from heated surfaces.
7. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
8. Do not handle plug or appliance with wet hands.
9. 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.
10. Keep hair, loose clothing, fingers and all parts of the body away from openings and moving parts.
11. Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
12. Do not use dry without dustbag and/or filters in place.
13. Turn off all controls before unplugging.
14. Use extra care when cleaning on stairs.
15. Do not use to pick up flammable or combustible liquids such as gasoline, or use in areas where they may be present.
16. This vacuum is for commercial use only.
17. Connect to a properly grounded outlet only. See grounding instructions.

SAVE THESE INSTRUCTIONS

► SAFETY INSTRUCTIONS FOR ELECTRIC TOOLS

- 1. KNOW YOUR POWER TOOL.** Read owner's manual carefully. Learn its applications and limitations as well as specific potential hazards particular to this tool.
- 2. KEEP WORK AREA CLEAN.** Cluttered areas invite accidents. 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
- 3. AVOID DANGEROUS ENVIRONMENTS.** Do not use tool in presence of flammable liquids or gases. Keep the area well lit.
- 4. KEEP CHILDREN AND VISITORS AWAY.** All visitors should be kept a safe distance from the work area. Keep out of reach of children.
- 5. DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
- 6. WEAR PROPER APPAREL.** Do not wear loose clothing or jewelry as it can get caught in moving parts. Rubber gloves and insulated non-skid footwear are recommended. Wear protective covering to contain long hair.
- 7. WEAR PROPER EYE PROTECTION.** Use safety glasses at all times. Also, use a face mask if work area is dusty.
- 8. DON'T OVERREACH.** Keep proper footing and balance at all times.
- 9. DISCONNECT TOOLS WHEN NOT IN USE.** Always disconnect tool before servicing; when changing accessories such as grinding wheels, backer pads, etc.
- 10. MAINTAIN TOOLS WITH CARE.** Keep tools clean at all times for best and safest performance. Follow instructions for lubricating and changing accessories. Keep handles dry, clean and free of oil or grease. Inspect moving parts for alignment and binding as well as for breakage and improper mounting.
- 11. AVOID ACCIDENTAL STARTING.** Don't carry a "connected" tool, or make adjustments, or change discs without making sure the air valve is in the off position to prevent the flow of air.
- 12. USE ONLY RECOMMENDED ACCESSORIES.** The use of any accessories other than what is listed or recommended for this particular tool may be hazardous.
- 13. KEEP HANDS AWAY FROM ALL MOVING PARTS.**
- 14. STAY ALERT.** Watch what you are doing and use common sense. Do not operate tool when you are tired, or under the influence of medication or alcohol.

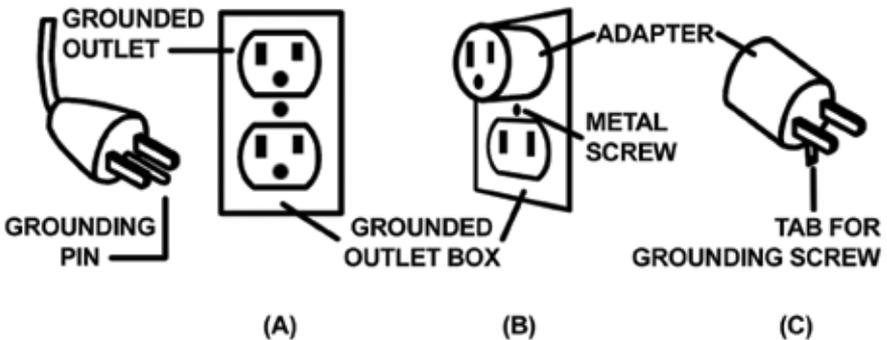
► GROUNDING INSTRUCTIONS

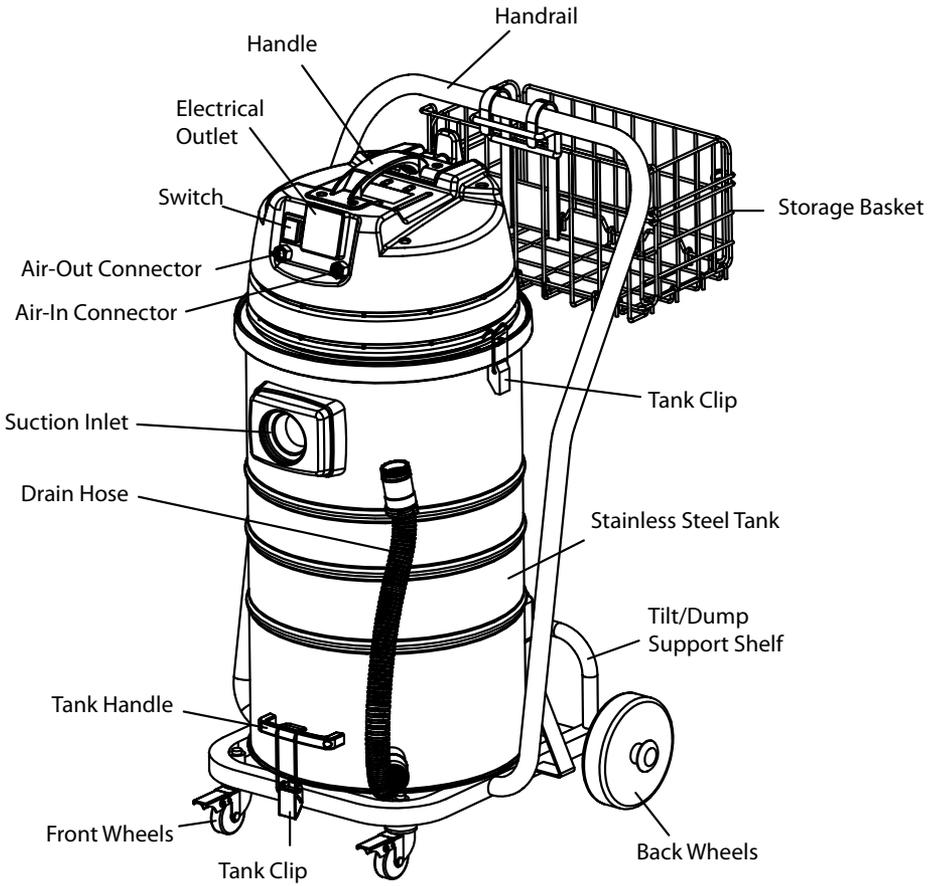
This appliance must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having equipment grounding conductor and grounding plug. The plug must be inserted into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

This appliance is for use on a nominal 120/240 Volt circuit, and has a grounded plug that looks like the plug illustrated in sketch A below. A temporary adapter that looks like the adapter 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 receptacle is not available. The temporary adapter should be used only until a properly grounded outlet (sketch A) can be installed by a qualified electrician. The green colored 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.

NOTE: In Canada, the use of a temporary adapter is not permitted by the Canadian Electrical Code.





► SPECIFICATIONS

Model.....	HWD2120 / HWD2240
Capacity	15 Gallons / 60 Liters
Rating	120 / 240 Volts
Amperage.....	10 / 5
Frequency	50Hz - 60Hz
Power	1200W
Weight	36 lbs / 16.3 kgs
Cord Length.....	50ft / 15m
Hose Diameter	1.5in x 10ft / 38mm x 3m
Tank Diameter	13.75" / 350mm
Air Flow Rate.....	.95 CFM
Water Lift	80"

HEPA WET/DRY VACUUM ACCESSORIES



COMPONENTS:

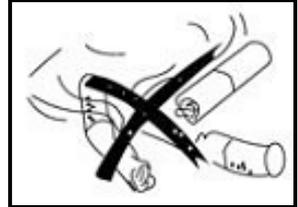
1. Hose Assembly 1-1/2" x 10' (Part No. HWD5004)
2. Round Brush (Part No. HWD5006)
3. Cloth Dust Bag (Part No. HWD5085)
4. Wet Floor Nozzle (Part No. HWD5009)
5. Metal Wand (Part No. HWD5005)
6. Hepa Filter (Part No. HWD5098)
7. Cloth Filter (Part No. HWD5001)
8. Crevice Nozzle (Part No. HWD5007)
9. Dry Floor Nozzle (Part No. HWD5008)
10. Hose Adapter (Part No. HEP110021)
11. Storage Basket (Part No. HWD5052)
12. Flexible Connector Hose 54" (Part No. 500073)

ADDITIONAL SAFETY INSTRUCTIONS

1. Before operation, check that the local power supply is same as the specification on the rating label.
2. Do not use the machine in a combustible and explosive place in case the motor sparks and causes a fire.



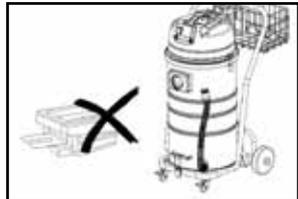
3. Do not force items into the Air Hose Inlet mouth, as it may cause the temperature to rise and damage the motor.
4. Do not vacuum up combustible and/or explosive objects, such as a glowing cigarette, gasoline, etc.



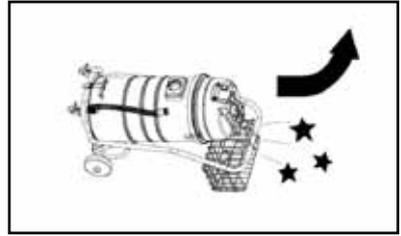
5. Do not vacuum up sharp objects.



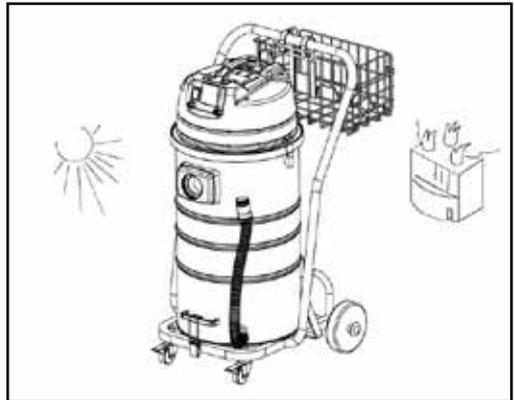
6. Do not vacuum up objects which can easily attach onto the filter such as lime or chalk that will block the ventilation and damage motor.



7. Always turn off the machine and remove the plug when repairing or after each use.
8. Do not overturn the machine to avoid water from going into the motor and damaging it.



9. Keep machine away from strong sunlight and high temperature places to avoid the plastic distorting.



10. Do not rest, trample, or drag hose to avoid damaging it.
11. Do not immerse the tank cap into the water, or wash with water, to avoid water, going into the electrical parts and causing personal injury. The correct way should be, to immerse the dishcloth then squeeze dry. Wipe the dirty part gently.

OPERATION METHOD

► CONNECTION

1. Insert the hose connector into the suction inlet as shown in Figure 1, make sure the connector is tightly fastened.

Connector
Button



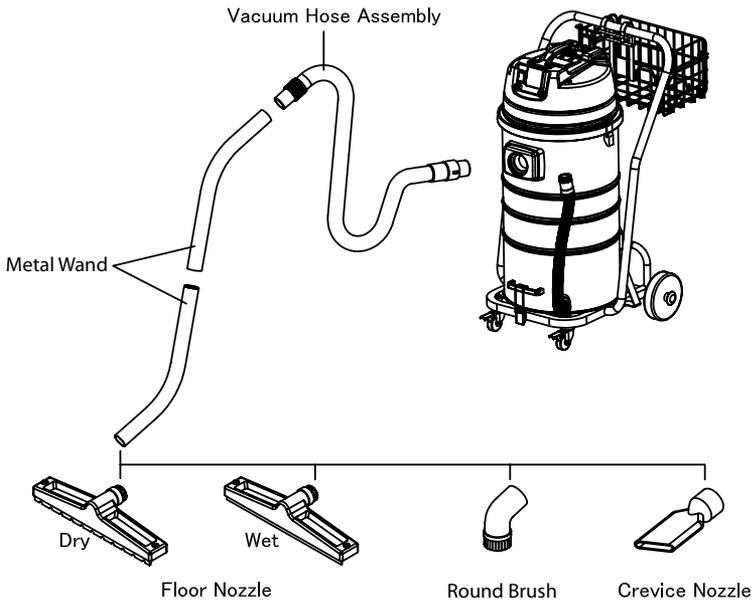
Figure 1

2. Press the connector button as shown in Figure 2 and pull the connector out when you want to disconnect from the machine.



Figure 2

3. Connect accessories as shown.



NOTE: When tools are turned on in the Auto Start mode, the vacuum cleaner will delay for 3-4 seconds before turning on.

NOTE: When tools are turned off, the vacuum cleaner will remain on 8-9 seconds to ensure all of the dust is suctioned from the hose.

► OPERATION - ELECTRIC POWER TOOL

1. Plug the vacuum power cord into the wall socket.
2. Insert the power tools plug into the supply socket on the vacuum.
3. Press the switch button on the vacuum to the appropriate location desired.
 - “ I ” stands for turn on (Vacuum Suction Only), the socket has no power.
 - “ ● ” stands for turn off, the socket has no power.
 - “ II ” stands for AUTO start and the vacuum will not turn on until the Power tool starts working. The electrical socket has power in this mode.

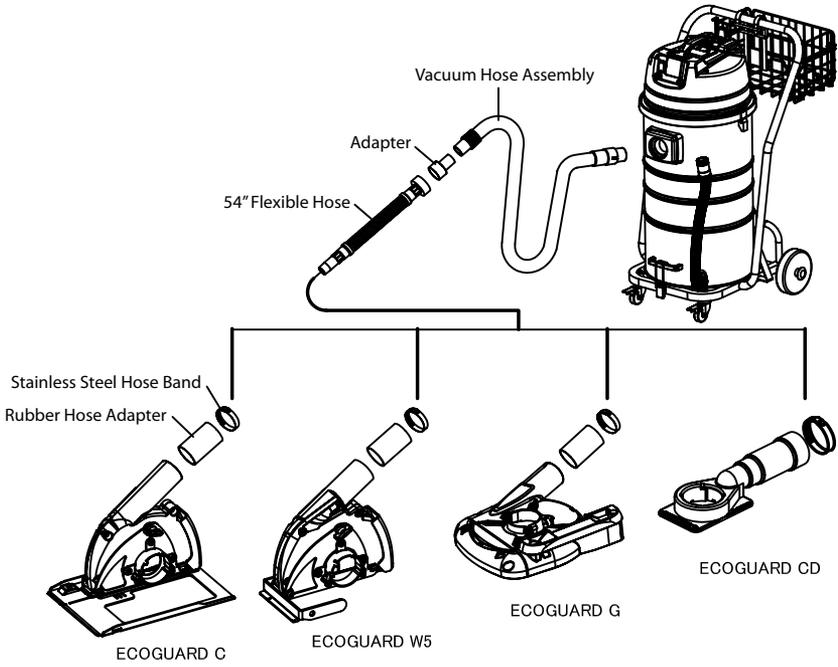
► OPERATION - PNEUMATIC TOOL

1. Plug the vacuum power cord into the wall socket.
2. Attach the shops pneumatic hose line into the “AIR-IN” connector on the vacuum.
3. Insert the pneumatic tools air supply hose into the “AIR-OUT” connector on the vacuum.

NOTE: Couplers are not supplied with the vacuum but are available as an optional accessory.

4. Press the switch button on the vacuum to the appropriate location desired.
 - “ I ” stands for turn on (Vacuum Suction Only), the socket has no power.
 - “ ● ” stands for turn off, the socket has no power.
 - “ II ” stands for AUTO start and the vacuum will not turn on until the Pneumatic tool starts working. The electrical socket has power in this mode.

► CONNECTING THE ALPHA® ECOGUARDS



► CONNECTING TO PALM SANDERS, GEAR ACTION SANDERS AND SANDING BLOCKS

1. Insert the Alpha® Dust Exhaust Hose (Part No. VH91100 / Sold Separately) “cone” shape end into the opening of the Hose Assembly (Part No. HWD5004).

NOTE: *The Alpha® Dust Exhaust Hose has a 3/4” diameter hose for attaching onto Palm and Gear Action Sanders.*



Figure 3

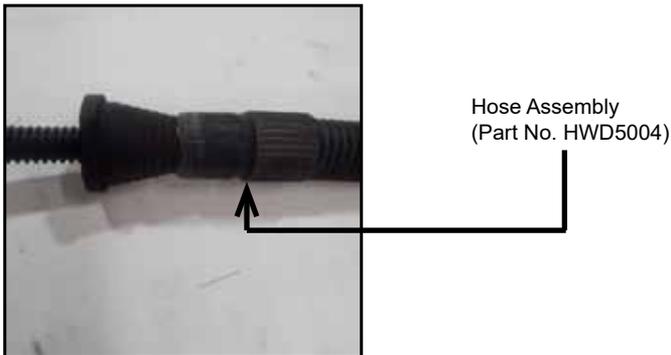


Figure 4

The vacuum can be used for wet pick-up. Remove ALL dirt and debris found in the tank to avoid contamination into the motor unit. Remove the HEPA Filter, Cloth Filter and Cloth Dust Bag prior to using the vacuum for wet pick-up.

► SETTING UP THE VACUUM FOR WET USE & REPLACING THE HEPA FILTER

1. Remove the Lock Plate from the Filter Support Housing by turning the Lock Plate counterclockwise to unlock (See Figure 5). Once unlocked, remove the Lock Plate from the Filter Support Housing (See Figure 6).

NOTE: The Lock Plate will turn approximately two inches before it will fully unlock.



Figure 5



Figure 6

2. Remove the HEPA Filter completely off of the Filter Support Housing (See Figure 7).



Figure 7

NOTE: The Lock Plate does not need to be reattached onto the Filter Support Housing for Wet Use.

3. Remove the Cloth Filter (Part No. HWD5001) (See Figure 8)



Figure 8

4. Remove the Dust Cloth Bag (Part No. HWD5003) (See Figure 9)



Figure 9

► RETURNING THE VACUUM BACK FOR DRY USE AND/OR REPLACING THE HEPA FILTER

1. Place the HEPA Filter on the Filter Support Housing making sure to push the HEPA Filter completely down until it makes contact with the neck of the Filter Support Housing (See Figure 10)



Figure 10

2. Place the Lock Plate onto the Filter Support Housing by aligning up the arrows on both the Lock Plate and the Filter Support Housing (See Figure 11).



Filter Support Housing

Lock Plate



Figure 11

3. Secure the Lock Plate to the Filter Support Housing by turning the Lock Plate clockwise to lock into position on the Filter Support Housing (See Figure 12).



Figure 12

NOTE: The Lock Plate will turn approximately two inches before it will fully lock into position.

► AUTOMATIC SUCTION SHUT-OFF

The vacuum is equipped with an automatic suction shut-off that operates when picking up liquids. As the level of the liquid rises in the tank, an internal float rises until it seats itself against a seal at the intake of the motor, shutting off suction (Figure 13). When this happens, the motor will develop a higher than normal pitch noise and the suction is drastically reduced. If this occurs, turn the unit off immediately.



Figure 13

► EMPTYING LIQUID FROM THE TANK

1. Remove the liquid from the tank by using the Drain Hose.
2. Detach the Drain Hose from the clip on the outside of the tank. (See Figure 14)
3. Remove the stopper plug on top of the Drain Hose (See Figure 15).
4. Place the Drain Hose next to the floor drain and let the liquid empty from the tank.
5. Once the tank is empty, reattach the stopper plug and clip the Drain Hose to the side of the tank.



Figure 14



Figure 15

► MAINTENANCE

1. Tank Cleaning – DRY USE

After working or when the cloth dust bag is full, it is recommended to clean the tank to remove any dust or debris. This dust or debris could decrease the suction considerably. Prior to cleaning the tank, disconnect the power from the motor.

- Release the Tank Clips securing the motor assembly and remove the motor.
- Remove the HEPA Filter, clean and replace if needed
- Remove the Cloth Filter, clean and replace if needed
- Remove the Cloth Dust Bag and replace with a new one

2. HEPA Filter Cleaning

- The HEPA Filter can be washed by using clean, warm water.
- Allow the HEPA Filter to fully dry before using.

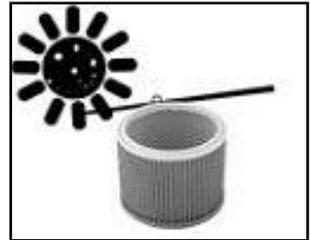
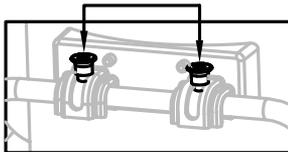


Figure 16

3. Tank Cleaning - WET USE

After soaking up dirty water, it is recommended that you clean the tank after use

- Release the Tank Clips securing the motor assembly and remove the motor
- Move the Tilt/Lock Knobs to the lower position to enable the tank to tilt (Figure 17)



When the Tilt/Lock Knobs are in the “UP” position, they tighten against the Tilt/Dump Support Shelf to secure the Stainless Steel Tank.

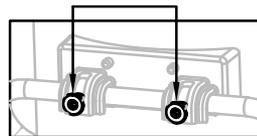


Figure 17

Putting the Tilt/Lock Knobs in the “DOWN” position allows the Stainless Steel Tank to tip backwards on the Tilt/Dump Support Shelf for easier cleaning.

NOTE: Make sure that the motor is removed prior to tipping the tank backwards.

- Release the Bottom Tank Fixed Clip (Figure 18)

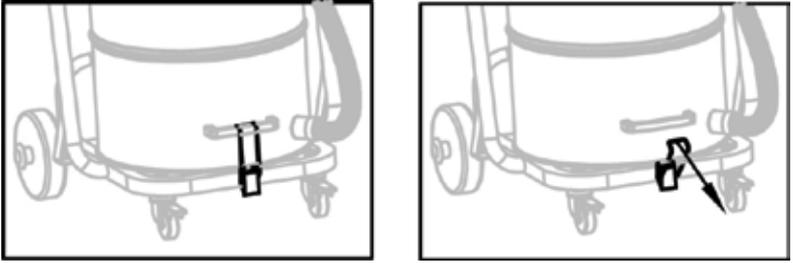


Figure 18

- Spray the inside of the tank with water to remove any debris (Figure 19).

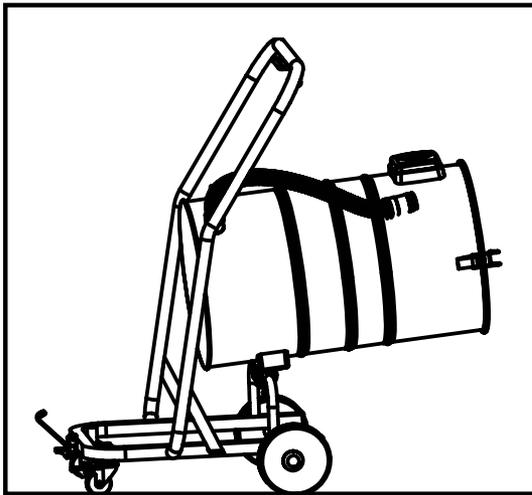


Figure 19

ATTACHING THE STORAGE BASKET

NOTE: This foldable metal wire storage basket utilizes release tab springs to hold the basket into the open position. Carefully follow the steps listed below to fully open this storage basket.

1. Release the clip holding the foldable storage basket together making sure to hold the storage basket down with your other hand.



Figure 20

Release the clip holding the Storage Basket closed

2. Raise each section of the storage basket in the following order while you continuously hold down the rest of the basket walls.

STEP 1



Figure 21

STEP 2

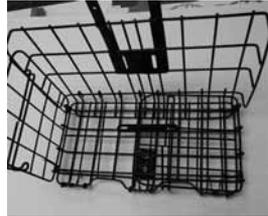


Figure 22

STEP 3



Figure 23

STEP 4



Figure 24

3. Place the back support bracket of the storage basket on the handrail of the metal pedestal handle as shown below. (Figure 25)

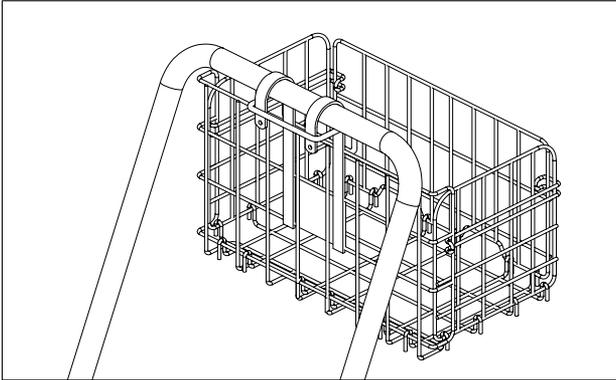
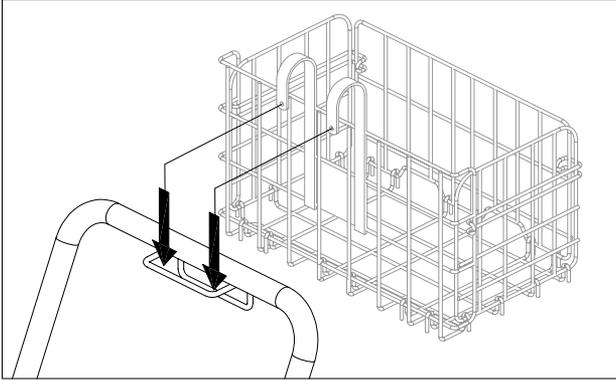
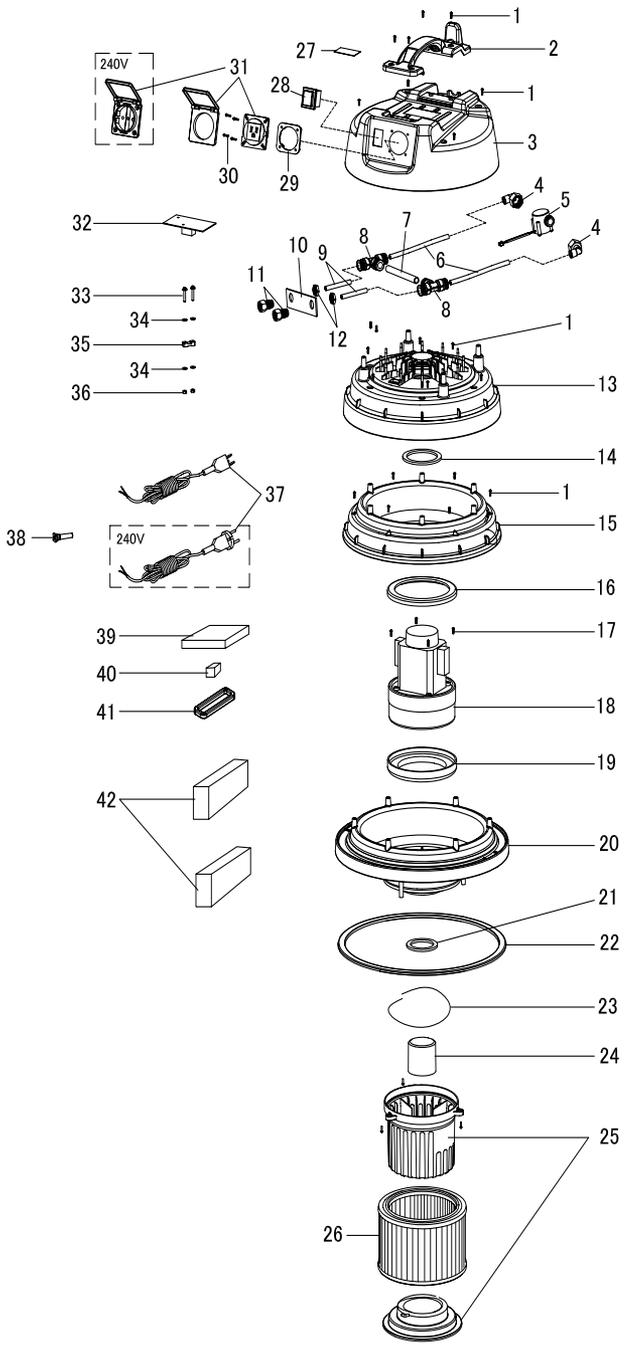
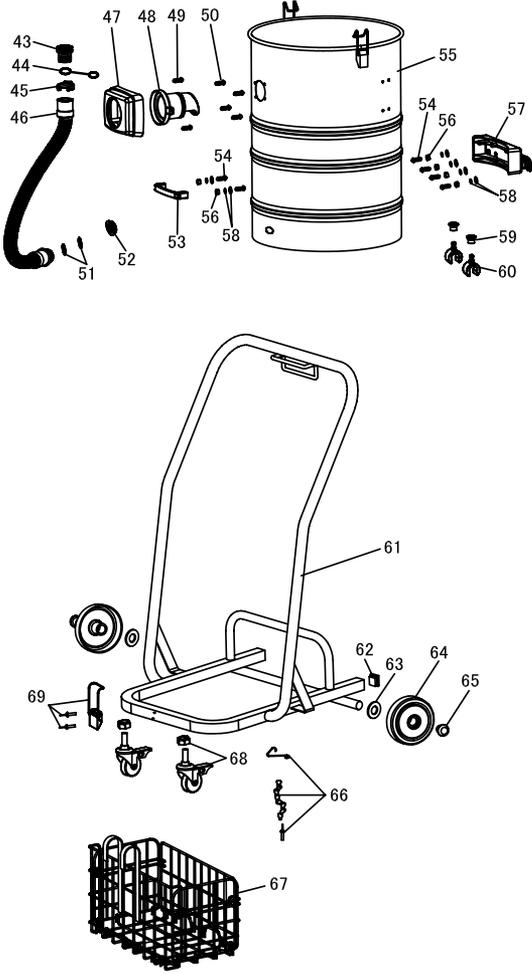
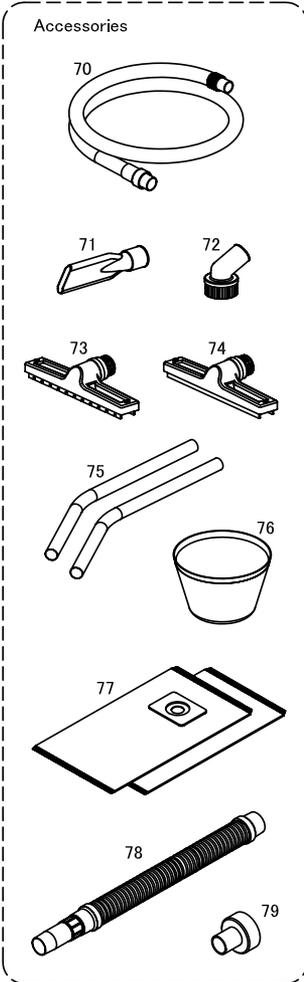


Figure 25

ALPHA® HEPA WET/DRY VACUUM SCHEMATIC (INSIDE)



ALPHA® HEPA WET/DRY VACUUM SCHEMATIC (OUTSIDE)



ALPHA® HEPA WET/DRY VACUUM PARTS LIST

DRAWING NO	PART NO	DESCRIPTION	QTY
1	HWD5010	Screw 4x16	23
2	HWD5011	Top Plastic Handle	1
3	HWD5012	Top Cover	1
4	HWD5013	Elbow Fitting	2
5	HWD5014	Air Flow Switch	1
6	HWD5015	Pipe-A 8mm x 200mm	2
7	HWD5016	Pipe-B 8mm x 80mm	1
8	HWD5017	T-Fitting	2
9	HWD5018	Pipe-C 8mm x 40mm	2
10	HWD5091	Hard Plastic Gasket	1
11	HWD5020	Bulkhead Fitting & Lock Nut Set	2
13	HWD5022	Middle Cover	1
14	HWD5023	Foam Seal Ring 85mm OD	1
15	HWD5024	Motor Cover	1
16	HWD5025	Upper Motor Gasket	1
17	HWD5026	Screw 5x20	4
18	HWD5027/ HWD5086	Double Stage Motor 120V/240V	1
19	HWD5028	Lower Motor Gasket	1
20	HWD5029	Tank Top Plate	1
21	HWD5030	Foam Seal Ring 65mm OD	1
22	HWD5031	Rubber Seal Ring 375mm OD	1
23	HWD5032	Foam Seal Cord 500mm Long	1
24	HWD5033	Tip Over Protective Valve	1
25	HWD5097	Filter Support Housing & Lock Plate	1
26	HWD5098	HEPA Filter	1
27	HWD5035	Rating Label	1
28	HWD5036	Switch (3-way)	1
29	HWD5037	Electrical Outlet Clamp	1
30	HWD5038	Screw for Electrical Outlet 4x16	4
31	HWD5039/ HWD5087	Electrical Outlet w/Cover 120V/240V	1
32	HWD5040	Power Control Board	1
33	HWD5041	Screw M4x25	2
34	HWD5042	Washer	4
35	HWD5043	Wire Block	1
36	HWD5044	Nut M4	1
37	HWD5045/ HWD5088	Power Cable (UL Plug) 120V/240V	1

ALPHA® HEPA WET/DRY VACUUM PARTS LIST (CONTINUED)

DRAWING NO	PART NO	DESCRIPTION	QTY
38	HWD5046	Cable Sleeve	1
39	HWD5047	Silencer Foam 1	1
40	HWD5048	Rubber Block	1
41	HWD5049	Ferrite Ring	1
42	HWD5050	Silencer Foam 2	2
43	HWD5076	Water Outlet Plug	1
44	HWD5077	Plug Retainer Ring	1
45	HWD5078	Drain Hose Clip	1
46	HWD5079	Drain Hose	1
47	HWD5075	Suction Inlet Cover	1
48	HWD5074	Suction Inlet	1
49	HWD5073	Screw 4x12	2
50	HWD5072	Screw for Suction Inlet 4x16	4
51	HWD5080	Drain Hose Seal Washer Set	2
52	HWD5081	Drain Hose Nut	1
53	HWD5082	Tank Handle	1
54	HWD5070	Screw 4x20	6
55	HWD5056	Stainless Steel Tank	1
56	HWD5094	Nut	6
57	HWD5057	Tilt/Dump Bracket	1
58	HWD5092	Rubber Washer & Metal Washer Set	6
59	HWD5058	Tilt Lock Knob	2
60	HWD5059	Tilt Lock	2
61	HWD5089	Metal Pedestal	1
62	HWD5095	Rubber Stopper	2
63	HWD5096	Back Up Plate	2
64	HWD5064	Rubber Wheel	2
65	HWD5065	Axle Cap	2
66	HWD5062	Ground Chain	1
67	HWD5052	Storage Basket	1
68	HWD5093	Caster Wheel w/bolt	2
69	HWD5090	Bottom Tank Fixed Clip Set	1
70	HWD5004	Hose Assembly 1-1/2" x 10'	1
71	HWD5007	Crevice Nozzle	1
72	HWD5006	Round Brush	1
73	HWD5008	Dry Floor Nozzle	1

ALPHA® HEPA WET/DRY VACUUM PARTS LIST (CONTINUED)

DRAWING NO	PART NO	DESCRIPTION	QTY
74	HWD5009	Wet Floor Nozzle	1
75	HWD5005	Metal Wand 1-1/2" (2pc set)	1
76	HWD5001	Cloth Filter (Large)	1
77	HWD5085	Cloth Dust Bag (2pc set) (Only sold as 5pk Part No. HWD5003)	1
78	500073	Flexible Connector Hose 54"	1
79	HEP110021	Hose Adapter	1

▶ ACCESSORIES AND FACTORY SERVICE

All the accessories can be purchased at a local distributor in your area. For more information concerning Alpha® HEPA Wet/Dry Vacuum and factory service, please contact the Alpha® distribution centers listed below.

COMPANY HEADQUARTERS:	Alpha Professional Tools® 103 Bauer Drive Oakland, NJ 07436
Hours of Operation:	8:30 a.m. – 5:00 p.m. EST
Telephone Number:	201-337-3343
Toll-Free Number:	800-648-7229
E-mail Spare Parts orders to:	tooldesk@alpha-tools.com
Technical Support:	technicalsupport@alpha-tools.com
Visit us on the web at:	www.alpha-tools.com

Limited Warranty of Alpha® HEPA Wet/Dry Vacuum for the USA and Canada ONLY!

Alpha Professional Tools® warrants this product against defects in material and workmanship for a period of 1 year from the date of original retail purchase (proof of purchase required). If Alpha Professional Tools® receives notice of such defects during the warranty period, our obligation assumed under this warranty is limited to the repair or replacement of parts, without charge. This warranty does not apply to tool accessories.

Parts not covered under warranty are power cords, filters, motor brushes and squeegee blades. The warranty covers only failure due to defective parts or workmanship and will be invalidated by improper application and abuse.

In NO circumstance should you return a failed unit to the factory. If you experience any problems with your vacuum during the warranty period, contact our Tool Department.

For Warranty Claims: Send complete tool with all your information and details of the problem to Alpha Professional Tools®, transportation prepaid. Do not send tool accessories.

NOTE: Any tools purchased through an unauthorized distributor are not covered under warranty.

PRODUCT REGISTRATION CARD

Model No. _____

Serial No. _____

Company Name: _____

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____

Purchase Date: _____

Dealer's Name: _____

Note: Serial & Model Number must be included for proper registration.



Alpha Professional Tools®

(800) 648-7229



Register online at:

www.alpha-tools.com/productregistration.aspx

Mail or Fax to:

Alpha Professional Tools®

103 Bauer Drive, Oakland, NJ 07436

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