

CAUTION: Proper Extension Cord use.

It is very important to use the proper extension cord with power tools. The performance and life of the equipment depends on it. Using the improper extension cord can cause the equipment to malfunction and become damaged. It can also cause harm to the operator. Listed below are the recommended extension cords for different lengths for use with your Pulse-Bac®. Do not use any other size of extension cord with your Pulse-Bac®, but the sizes listed below.

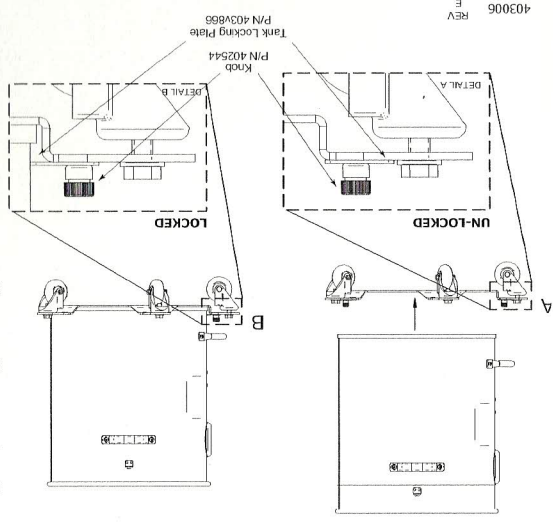
Extension Cord Length	Wire Gauge (AWG)
0-25 Ft.	14 Gauge
25-50 Ft.	12 Gauge

To be sure use Pulse-Bac True Heavy Duty Cords. Call 866.954.9700 to Order

Unpacking & Checking Carton Contents:

- Remove the vacuum and all the contents of the shipping carton(s).
- Check each item against the packing list.
- Contact your delivery company if any items are damaged or missing.
- If you require additional assistance contact Pulse-Bac customer service at 866.954.9700.

- INSTRUCTIONS:**
1. With the Tank Locking Plate in the open position (as shown in figure A) place the 20 gallon tank on to the 5 caster Wide-Stance Dolly.
 2. With tank centered on the dolly slide the Tank Locking Plate so it contacts the side of the 20 gallon tanks shown in figure B).
 3. Hand tighten the knob to secure the Tank Locking Plate.



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FOR ASSISTANCE CALL:
1-866-954-9700

Emptying The Vacuum Collection Tank

WARNING:

To reduce the risk of injury from accidental starting, turn the vacuum off and unplugging the power cord before emptying the collection tank.

To remove top hood assembly from the collection tank, simply unlatch the two latches on either side of the collection tank and lift the top hood off the tank. Set the top hood assembly down on top of the filters.

Take hold of the top of the collection tank with one hand, and with your other hand lift the tank with the handle at the center bottom of the tank, and dump the contents into the proper waste disposal container.

WARNING:

To reduce the risk of back injury or falls, do not lift a collection tank heavy with dust and debris. Scoop enough contents out to make the collection tank light enough for one person to lift comfortably.

Maintenance:

The Pulse-Bac® requires little or no preventive maintenance, however the performance of the three-cartridge filtration system can be enhanced by allowing the PB-1050, PB-1150, or PB-1250 to run for 3 to 5 minutes after each day's use. **The filters should never be removed for cleaning.** The only time the filters should be removed is when replacing old filters with new filters. Removing the filters for cleaning is highly discouraged, as this action may cause many problems. If filters are not replaced properly damage can occur. For proper operation when using a Pulse-Bac® vacuum for dust collection, filters should be changed a minimum of twice a year.

Although the Pulse-Bac® cleans it's filters continuously during operation, small amounts of debris will cling to the surface of the filters under normal operating conditions. Operating the PB-1050, PB-1150, or PB-1250 for three to five minutes before and after each days use will help the filters to purge themselves of most dust and debris. This extra step will help to extend the life of the filters, enhance performance, and reduce operating cost.

Operating & Safety Tips:

- Never operate in a wet environment.
- Never operate with an ungrounded power source.
- Never operate with an improper or ungrounded electrical extension cord.
- Never operate unattended.
- Never vacuum hot ashes or combustible materials.
- Never operate in conjunction with any ungrounded equipment.
- Always use a proper 120 volt 20 amp electrically protected outlet to operate.
- To reduce risk of electrical shock, do not expose to rain and always store indoors.
- Never operate the Pulse-Bac® in the presence of explosive vapors.
- Always unplug the Pulse-Bac® when not in use and before servicing.
- Turn your Pulse-Bac® off before unplugging from the power source.
- Never operate the Pulse-Bac® from a generator that is not earth grounded.

WARNING:

Sparks generated by the vacuum motor can ignite flammable vapors or dust. To reduce the risk of fire or explosion:

Never vacuum or use the machine near flammable or combustible liquids, gases, or explosive fluids like gasoline, lighter fluids, cleaners, oil-based paints, natural gas, hydrogen, coal dust, magnesium dust, grain dust or other types of flammable vapors or fuels.

Filter Installation:

When you receive your new Pulse-Bac® you will be required to install the filters onto the vacuum head. Follow these instructions to ensure proper filter installation.

1. Turn the switch to the OFF position and unplug the machine. Place your Pulse-Bac® vacuum head on its side on a clean and dry surface.
2. If not already installed, install the rubber seal on the twist-on filter so that it is sitting flat on the filter top. (Refer "Changing Filters" section for details.)
3. Insert the filter into the receiver and turn in clockwise direction until the filter touches the base and is held tightly in place.

Caution: Once you have installed the filters on the Pulse-Bac®, the filters should never be removed unless they are to be replaced. Removing the filters after initial installation can cause various problems if not reinstalled properly. Since your new Pulse-Bac® cleans its filters automatically, you should never have reason to remove the filters other than for replacement.

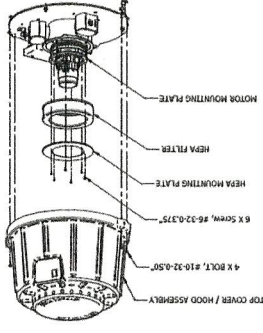
Pulse-Bac® Twist-On Filters are capable of capturing dust particles as small as 0.3 micron in size. Each filter is made from a non-woven spun bond polyester material with a PTFE coating.

If you need assistance or require additional information when installing the filters, you can contact Pulse-Bac® Customer Service Department at (918)216-6100.

The PB-1050H model is a HEPA Certified unit and as such has an additional HEPA filter, located inside the hood, for exhaust air filtration. This filter comes pre-installed, see figure 2 below for instruction on replacing the HEPA Certified filter for PB-1050H.

HEPA Exhaust Filter Replacement

1. Turn the power switch to the off position and unplug the power cord.
2. Remove the 4x Bolt, #10-32, 0.50" holding the Hood Assembly in place.
3. Unplug the motor wires (inside the hood) connecting to the on/off switch to remove the hood.
4. Remove the 6x Screw, #6-32, .0375". To remove the HEPA mounting plate.
5. Remove the old HEPA Exhaust filter and install the new HEPA filter.
6. Align the six holes on the HEPA mounting plate with the 6 threaded inserts on the motor mounting plate and fasten it with the 6x screw, #6-32 .0375.



Specifications, Patents and Awards:

The PB-1050, PB-1050H, PB-1150 and PB-1250 are products from the Pulse-Bac® 1000 series. Each Pulse-Bac® vacuum and dust extractor is designed for applications that require different levels of lift (suction) and CFM (flow rate). The 1000 series from Pulse-Bac® come with exclusive Pulse-Bac® Technology, capable of preventing the filters from clogging and losing CFM & lift during operation, along with additional features not found on other competitors products.

Pulse-Bac's revolutionary Tank Capacity Sensor (TCS) is available for installation on all 1000 series models. The sensor is an industry first, as are many of the features found on Pulse-Bac® products. TCS is available on all models as an option from the factory when you order your Pulse-Bac® or as an update at a later time. The TCS system senses when the tank is full and activates an audible and visual alarm to alert the operator, to prevent the vacuum system from over filling the tank and damaging the filters. If not turned off in a timely manner after the alarm triggers, the TCS system will automatically shut off the vacuum motor.

Models	PB-1050, PB-1050H PB-1150, PB-1250	Voltage	120 Volts 50/60 Hz Single Phase
Filtration System	Patented Pulse-Bac® Technology	Current (Amps)	PB-1050..... 12.1 PB-1050H..... 12.1 PB-1150..... 15.1 PB-1250..... 15.5
Filters	3 ea. Twist-on/off 100% Spun Bond Polyester PTFE Coated, all Models.	Dimensions	All Models 23" X 39" X 21"
Motor	See motor specification for each Individual dust extractor on page # 13	Weight	PB-1050..... 79 lbs. PB-1050H..... 79 lbs. PB-1150..... 82 lbs. PB-1250..... 82 lbs.
Performance	1050: 140 CFM 89" sealed lift. 1050H: 140 CFM 89" sealed lift. 1150: 170 CFM 110" sealed lift. 1250: 245 CFM 70" sealed lift.	Storage Tank	3 Options: 20 Gal. Tank Revolution 360 Bagger Cart 55 Gallon DrumVac
Vacuum Port Inlet	2" Inlet, all Models	Casters	All Models Non-Marking 3" Swivel.

Patent No. 7082640 B2, Patent No. 8312894 B2 and other patents pending.

Pulse-Bac® Technology-Most Innovative Product, World of Concrete 2005, 2008, 2009, 2010 & 2011. Pulse-Bac Technology-Innovative Product of the Year, Rental Equipment Register 2004.

Operating Pulse-Bac® for Dust Collection with other equipment:

When operating a Pulse-Bac® vacuum or dust extractor with other equipment, you should take into account the following:

Make sure the equipment that you have chosen to operate with the dust extractor is properly grounded with a third or fourth wire ground.

To ensure peak performance from your Pulse-Bac®, check to see that the dust extractor has the proper size and rating to support the equipment you intend to operate it with. The Pulse-Bac® Customer Service Department will be happy to help you in selecting the appropriate dust extractor for your equipment.

Always connect the dust extractor with the appropriate vacuum hose and extension cord. Make sure you have the correct length and size of vacuum hose and electrical extension cord for the equipment you intend to use in conjunction with the Pulse-Bac®.

A generator is required to produce a minimum of 5K Watts to properly support the operation of any one of the 1000 series. When using a generator be sure to earth ground the generator to protect the Pulse-Bac® electrical circuitry. Failure to earth ground the portable generator could cause major damage to your Pulse-Bac®.

The pictorial below shows a PB-1050 operating correctly with a seven inch surface grinder.

