

# Why is Pulse-Bac® Better?



## When it Comes to Regulations.

Other vacs have been sidelined by OSHA's new Silica Standard but not Pulse-Bac. Our advanced technology means even Pulse-Bac vacuums from 15 years ago comply with today's regulations.



## Superior Technology

Pulse-Bac's Patented technology keeps filters clean, so suction stays consistent. Other vacuums can lose up to 50% of their suction as the filter clogs, but not Pulse-Bac.

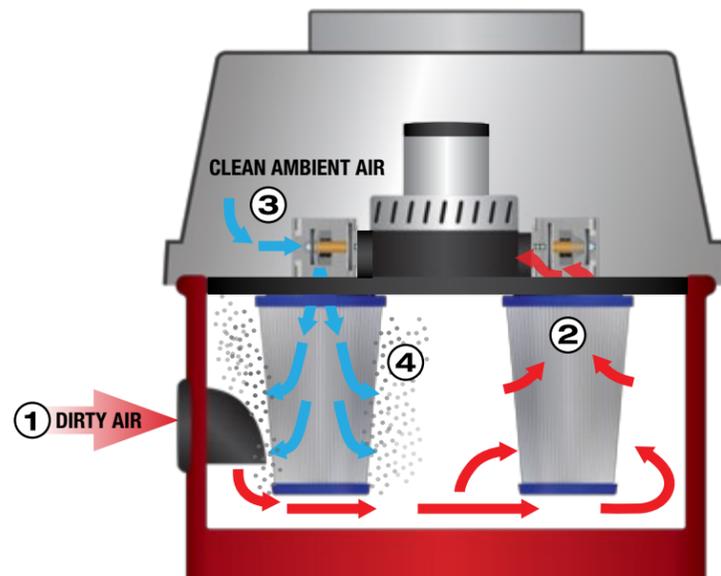


## Lifetime Service & Support

Every Pulse-Bac comes with FREE Lifetime Service & Support. This means you'll never see a bill for labor or support, unlike other brands that charge for service when the warranty is up.

## The Mechanics of Pulse-Bac.

1. Dirty air containing dust and debris enters the tank through the inlet, just like any vacuum.
2. The air is cleaned as it's drawn through the filter by the vacuum motor, leaving dust and debris behind.
3. The technology opens the valve electronically, switching the filter from the vacuum motor to clean ambient air.
4. This valve is only open for a fraction of a second. This sudden change causes the airflow to dramatically reverse direction, pulling ambient air back through the filter to remove dust and debris from it.
5. The multi-filter system ensures that suction is consistent as only one filter at a time receives a cleaning pulse. The momentary pulse continually cycles from filter to filter, to ensure all the filters remain clean.



## LET'S CONNECT

We're going social and we want to hear from you. Be sure to tag us in your posts to be featured on our page.  
#pulsebac

OFFICIAL PULSE-BAC #  
**#PULSEBAC**  
LET'S HEAR IT -  
THE FLOOR'S ALL YOURS



**pulsebac**<sup>®</sup>  
Automatic Pulse-Clean Technology™

2020 PRODUCT CATALOG



**Fully Automatic Filter Cleaning Technology.**  
You Turn it On and Go to Work, We Do the Rest.  
Never Stop to Unclog a Filter.

INTRODUCING THE

# PRO SERIES

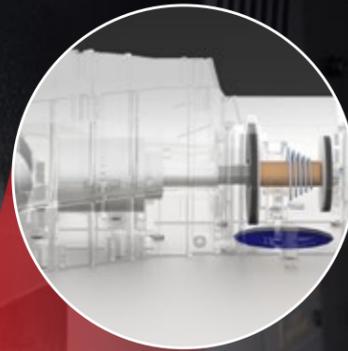
MODULAR VACUUM SYSTEM

The PRO Series is the newest addition to the Pulse-Bac line-up. The successor to the legendary 1000 Series and like the 1000 Series, it offers a large array of power and collection options. It also has new features designed to improve usability and durability. Built to capture dust generated by surface preparation equipment, power tools, manufacturing machinery and for jobsite cleanup, the PRO Series excels at work involving dust from concrete, drywall, wood, asbestos, lead paint, and many other materials. With a lineage of legendary performance & innovative improvements, the PRO Series is the choice for professionals.

## NEW FEATURES INCLUDE:

- New Circuit Board Design for Improved Reliability.
- New Solenoids with 5X Duty Cycle.
- Easy Access Fuse.
- Better Field Serviceability.
- One-Piece Valve Shaft. NO PINS.
- And More ...

Continuous Valve Shaft.  
Pins Completely Eliminated.



## FEATURES & BENEFITS

- Pulse-Bac Self-Cleaning Technology
- Power Coated 16ga. Steel Construction
- Modular Collection Options
- Individually Tested HEPA Filtration
- Non-Marking Casters
- Cyclonic Debris Management
- Easy Empty Dump Valve\*
- Revolution 360 Frame\*

| Model       | PRO-176                      | PRO-225                      | PRO-311                      |
|-------------|------------------------------|------------------------------|------------------------------|
| CFM         | 176                          | 225                          | 311                          |
| Lift        | 97"                          | 110"                         | 70"                          |
| Collection  | 20 gal. Tank / Bagger / Drum | 20 gal. / Tank Bagger / Drum | 20 gal. Tank / Bagger / Drum |
| Inlet       | 2"                           | 2"                           | 2"                           |
| Weight lbs. | 87 (Tank); 126 (Bagger)      | 97 (Tank); 136 (Bagger)      | 101 (Tank); 140 (Bagger)     |
| Current     | 12.5A/6.6A                   | 15.1A/7.8A                   | 15.5A/7.9A                   |
| Voltage     | 110V/220V                    | 110V/220V                    | 110V/220V                    |

## AVAILABLE IN 3 DIFFERENT COLLECTION OPTIONS



65.26"

29.24"

55/40 Drum Vac Option



59.88"

26.58"

Revolution 360 Bagger Cart



38.07"

27.18"

20 Gallon Tank

Shown w/Optional Integrated Floor Sweep

**Longopac®**

The Longopac endless bagging system provides a quick, dust-free bagging solution. Paired with Pulse-Bac's patented Easy Empty Valve system it has never worked better.



EQUIPPED WITH

**HEPA FILTRATION**

99.97% @ .3 MICRONS



The CDM system comes standard on all PRO-Series options. Our CDM system prevents dust from ever reaching the filter and stops it from cycling up to the filters, holding it at the bottom of the tank.



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INTRODUCING THE NEW

# ASCENT

EXPANDABLE BAGGING SYSTEM

The new Ascent Expandable Bagger is Pulse-Bac's newest innovation that rises above the competition. The expandable design makes it compact for transporting and once on the jobsite it ascends upward, delivering the functionality of a full-sized bagger. In the down position the Ascent maneuvers just like a hand truck dolly with **large non-marking 8-inch wheels** that go over curbs and up stairs with ease. Thanks to the **Elevation Assist System**, lowering the bagger is effortless and loading is no problem with its upper rollers and lever action design. Raise your expectations of what a bagger can be with the Ascent Expandable Bagging System.



## FEATURES & BENEFITS

- Pulse-Bac Self-Cleaning Technology
- Power Coated 16ga. Steel Construction
- Expanding/Collapsing Cart
- Individually Tested HEPA Filtration
- Elevation Assist
- Non-Marking Casters
- Cyclonic Debris Management MK2
- Easy Empty Dump Valve

| Model       | ASCENT-225                   | ASCENT-311                   |
|-------------|------------------------------|------------------------------|
| CFM         | 225                          | 311                          |
| Lift        | 110"                         | 70"                          |
| Collection  | 20 gal. / Tank Bagger / Drum | 20 gal. Tank / Bagger / Drum |
| Inlet       | 2"                           | 2"                           |
| Weight lbs. | 161                          | 165                          |
| Current     | 15.1A/7.8A                   | 15.5A/7.9A                   |
| Voltage     | 110V/220V                    | 110V/220V                    |

### Longopac®



The Longopac endless bagging system provides a quick, dust-free bagging solution. Paired with Pulse-Bac's patented Easy Empty Valve system it has never worked better.

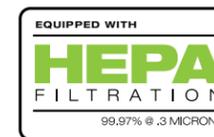
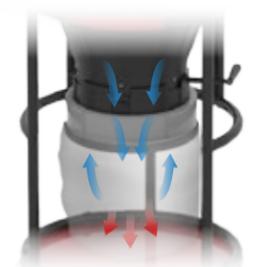
### CDM Plus

The Ascent Series bagger features a new version of our Cyclonic Debris Management system. This new version has a tangential inlet with an internal separator baffle that divides the incoming airflow from the filters. These two elements work together to create a significant improvement in performance when collecting lighter materials like talc, sawdust or when sanding and grinding on surfaces that have epoxies, glues, or other coatings. Coatings can liquefy when being removed with a grinder, allowing them to come into the vacuum in a hot, liquid state and that will dry on the filters, restricting the airflow to the motor. This internal baffle prevents this from happening; keeping the filters clear. This feature makes the Ascent an excellent choice for flooring professionals of all types and many other applications.



### Easy Empty System

The Ascent Series Bagger has our patented Easy Empty System. When the tank valve is opened, vent ports let air flow into the vacuum container, allowing the vacuum to run while the bag is emptied. This also prevents the collection bag from being sucked up inside the container and stops dust from escaping back into the air.



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# ASCENT

EXPANDABLE BAGGING SYSTEM

# 500

The New Ascent 500 Bagger. With the Ascent 500, you get all the great features of the Ascent series in a super-compact package. This unit is in a class of its own, offering the convenience of a bagger usually found only in a larger class vacuum in a compact package. Not much bigger than a standard shop vacuum you'd find at a big box store but with more than 2X the power. Great for smaller hand tools like 4" & 7" Hand Grinders, Hammer Drills and Smaller Saws, this unit packs a punch in a small package.



## FEATURES & BENEFITS

- Pulse-Bac Self-Cleaning Technology
- Power Coated 16ga. Steel Construction
- Expanding/Collapsing Cart
- Individually Tested HEPA Filtration
- Elevation Assist
- Non-Marking Casters
- Cyclonic Debris Management MK2
- Easy Empty Dump Valve

| Model      | ASCENT-552           | ASCENT-576          |
|------------|----------------------|---------------------|
| CFM        | 150                  | 176                 |
| Lift       | 87"                  | 97"                 |
| Collection | 8 Gallon Steel Tank  | 8 Gallon Steel Tank |
| Weight     | 30 lbs.              | 31 lbs.             |
| Inlet      | 1.5" (Locking)       | 1.5" (Locking)      |
| Amprage    | 12.5@110V / 6.6@220V | 12.2@110V           |
| Voltage    | 110V/220V*           | 110V                |

### ATS Automatic Tool Start

Our Automatic Tool Start feature will start the vacuum for you when you start your tool. Plug your tool into the Automatic Tool Start and switch the power button to auto. When your tool activates, the vacuum will turn on automatically. When the tool turns off, the vacuum will run for 3 seconds to clear the hose before it shuts off.



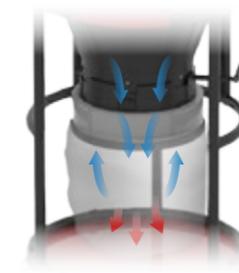
### Longopac®



The Longopac endless bagging system provides a quick, dust-free bagging solution. Paired with Pulse-Bac's patented Easy Empty Valve system it has never worked better.

### Easy Empty System

The Ascent Series Bagger has our patented Easy Empty System. When the tank valve is opened, vent ports let air flow into the vacuum container, allowing the vacuum to run while the bag is emptied. This also prevents the collection bag from being sucked up inside the container and stops dust from escaping back into the air.



*A pint-sized powerhouse with Longopac convenience!*



# 500mk.2

552 • 552H • 576

*This update to the venerable 500 Series features improvements borrowed from the larger Pro-Series including Pinless, Long Life Solenoids. Plus Auto Tool Start is now Standard on all 500 Series.* Powerful and compact, the 500 Series offers great performance and portability. Designed to capture dust generated by power tools and for jobsite clean up, it is ideal for work involving dust from concrete, drywall, wood, and any non-combustible dry material. A great fit for general contractors, finish carpenters, drywall, wood flooring & surface prep professionals.



| Model      | 552                  | 552H                 | 576                 |
|------------|----------------------|----------------------|---------------------|
| CFM        | 150                  | 150                  | 176                 |
| Lift       | 87"                  | 87"                  | 97"                 |
| Collection | 8 Gallon Steel Tank  | 8 Gallon Steel Tank  | 8 Gallon Steel Tank |
| Weight     | 30 lbs.              | 30 lbs.              | 31 lbs.             |
| Inlet      | 1.5" (Locking)       | 1.5" (Locking)       | 1.5" (Locking)      |
| Amperage   | 12.5@110V / 6.6@220V | 12.5@110V / 6.6@220V | 12.2@110V           |
| Voltage    | 110V/220V*           | 110V/220V*           | 110V                |

## A Stout, High-End Contender.

*'Even when vacuuming fine concrete dust, there was never a noticeable loss of suction. I was able to use the vacuum for hours on end without needing to clean the filters. With the amount of suction the vacuum produced, it vented out an amazingly small amount of air with never a trace of dust.'*

– Fine Homebuilding Magazine

\*220V available as a separate unit . Not a wiring option.

† When used according to the manufacturer's instructions. It is import to always understand and follow all guidance from OSHA when working with materials that contain silica.

## FEATURES & BENEFITS

- Pulse-Bac Self-Cleaning Technology
- Durable Steel Construction
- Pin Free Continuous Valve Shaft
- 1.5" Locking Inlet
- Individually Tested HEPA Filter(s)
- Standard Auto Tool Start



Our Automatic Tool Start feature will start the vacuum for you when you start your tool. Plug your tool into the Automatic Tool Start and switch the power button to auto. When your tool activates, the vacuum will turn on automatically. When the tool turns off, the vacuum will run for 3 seconds to clear the hose before it shuts off.



The 550H provides Dual Stage HEPA filtration. It features the 5 Point HEPA Filter and an additional exhaust side HEPA filter. Both the 5 Point Filter and the exhaust side filter are individually tested to meet the 99.97% @ 0.3 microns standard required by most regulations and recommended when working with many materials. In fact, third party testing of the 550H showed that our 2 stage filtration system actually provided 99.99% @ 0.3µm filtration, exceeding the standard.



## Tri-Glide Dolly



Many 500 Series users call this the Glider due to the smooth action the 3 Non-Marking Casters provide. Some even use it to safely glide the vac across uncured concrete when doing soft cuts. A great option that fits all 500 series units



Cyclonic Debris Management

The Cyclonic Debris Management system comes standard on all vacuum tanks, extenders, and preseparators. Our CDM system works with our pulsing technology and prevents dust and debris from reaching the filter. The CDM system stops dust and debris from constantly cycling up to the filters and holds it at the bottom of the tank until discarded.

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# HPLM SERIES

2450 • 2450D • 3690 • 3690D



## What is HPLM?

Put simply, it's the highest power to weight ratio you will find in a vacuum today. With 690 or 450 CFM and 110" of lift, this vacuum weighs in at just 208lbs. HPLM vacuums supply all the power you need in a portable package that saves time and trouble.

| MODEL      | 3690       | 2450       | 3690-D     | 2450-D     |
|------------|------------|------------|------------|------------|
| CFM        | 690        | 450        | 690        | 450        |
| LIFT       | 110"       | 110"       | 110"       | 110"       |
| WEIGHT     | 208 lbs.   | 205 lbs.   | 208 lbs.   | 205 lbs.   |
| COLLECTION | LONGOPAC®  | LONGOPAC®  | Drum       | Drum       |
| INLET      | 3" LOCKING | 3" LOCKING | 3" LOCKING | 3" LOCKING |
| VOLTAGE    | 220V       | 220V       | 220V       | 220V       |
| AMPERAGE   | 17         | 12         | 17         | 12         |

† When used according to the manufacturers instructions. It is import to always understand and follow all guidance from OSHA when working with materials that contain silica.

## FEATURES & BENEFITS

- Pulse-Bac Self-Cleaning Technology
- HPLM Design
- LongoPac - Endless Bag
- Wireless Remote Control
- Power Coated Steel Construction
- Non-Marking Casters
- Cyclonic Debris Management
- Easy Empty Standing Dump Valve
- Revolution 360 Frame
- Locking Inlet
- 5 Point HEPA Filter



Certified Partner

**Longopac®**

Popular with contractors in many fields, the Longopac endless bagging system provides a quick dust-free bagging solution and has never worked better now that it is paired with Pulse-Bac's patented Easy Empty Valve system.

### Remote Start



### Standing Debris Dump w/ Auto-Close

The 3690 features a redesign of the Easy Empty valve system found on our 1000 Series bagger. It has the same patented design that allows the vacuum to continually operate while the debris is being released from the collection tank into the bag, never again will you need to turn the vacuum off to discard debris. We didn't stop there though, we went even further with these two additional features. The new version can be easily emptied from a standing position and when released, the Easy Empty valve automatically returns to the closed position.

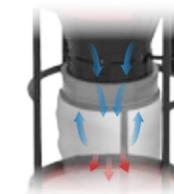


### T-Handle Dolly

The 2450D & 3690D feature a T-Handle dolly to make transport easy when the head is off the drum.



The patented Easy Empty System allows the vacuum to keep running when debris is dumped.



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**pulsebac®**  
Automatic Pulse-Clean Technology™



**Grab the Dust, Not the Floor!**

Dust shrouds are attached to tools used for grinding, sanding or cutting dust-producing materials like concrete, wood, and composites. The shroud connects the tool to a vacuum to capture the dust and debris the tool creates when in use. Many dust shrouds attempt to seal the shroud to the surface, but once you turn on the vacuum the shroud can become immediately suction locked to the surface causing damage.

Dust Grabber™ shrouds are designed to prevent this. The patented design creates a vortex of air around the circumference of the shroud, eliminating suction lock, and allowing the grinder to float across the surface like a puck on ice. The ease of use doesn't affect the dust collection, the shroud can still capture up to 99% of the dust. The patented polymer seal can be easily replaced without removing any other parts. The one-piece design is more effective at collecting dust, easier to use on the job, and allows you to grind up to and within a 1/8" from the wall or vertical surface.

- CAPTURES HARMFUL AIRBORNE DUST
- PATENTED DESIGN PREVENTS SUCTION LOCK
- GRINDS 1/8" OFF THE WALL
- PATENTED POLYMER SEAL
- GLIDES LIKE A PUCK ON ICE!



**The Original Dust Grabber** is available for both 7" and 4" angle grinders. Both versions feature a durable metal body, long-lasting polymer seals and are backed by a lifetime warranty. These shrouds use grinder-specific aluminum adapters ensuring a tight fit and are available for most major brands of angle grinders.

**NEW**



**The Dust Grabber II** features a high-quality polymer body with a seal using the same patented technology as the Original Dust Grabber. Perfect for occasional professional use or for taking DIY projects to the next level of safety and convenience. The Dust Grabber II features a Universal Adapter that is designed to fit 7" angle grinders.

# HUM-B

## EDGE GRINDER

Our Hum-B floor surfacing and polishing equipment covers more square feet in less time with less effort, maximizing comfort and increasing productivity. Our ergonomically designed floor surfacing equipment allows the user to grind or polish in an upright position, reducing fatigue, backaches, and job site injuries. Hum-B floor surfacing equipment is ideal for grinding or polishing concrete, terrazzo, stone, and masonry or removing paint, thin set, adhesives, VCT, mastic and epoxy floor coatings. Hum-B floor grinders are the only floor surfacing equipment equipped with the patented Dust Grabber™ dust shroud. This shroud allows the grinder to float across the surface like a puck on ice, eliminating 100% of suction lock and capturing 99% of airborne dust.

Hum-B floor grinders come with a 2" dust port, 150-watt halogen light, non-marking caster wheels, a 6000 RPM or 3500 RPM polishing grinder, and a one year warranty. We offer different types of abrasives to use with the floor grinders from cup wheels to remove epoxy coatings or prepping a concrete floor for a new application, to polishing rings for polishing concrete, stone, and terrazzo.

To achieve a dust-free operation we strongly recommend using a Pulse-Bac® 576, Ascent-576, Ascent 176 or PRO-176 dust vacuum to capture the dust generated by the grinder.



## Grinding & Polishing Wheels



**T-Segment**  
PN: 401352



**Standard 24 Segment**  
PN: 401147



**Standard 12 Segment**  
PN: 401148



**Premium 24 Segment**  
PN: 401146



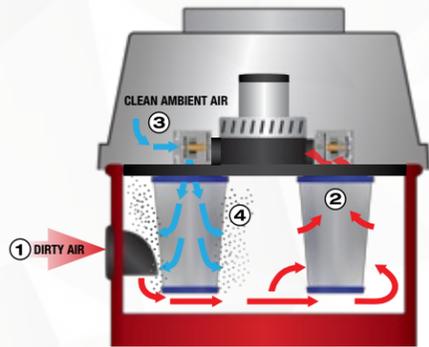
- |                             |                              |
|-----------------------------|------------------------------|
| <b>30 Grit</b> (PN:404207)  | <b>400 Grit</b> (PN:404211)  |
| <b>50 Grit</b> (PN:404208)  | <b>800 Grit</b> (PN:404212)  |
| <b>120 Grit</b> (PN:404209) | <b>1800 Grit</b> (PN:404213) |
| <b>220 Grit</b> (PN:404210) | <b>3500 Grit</b> (PN:404214) |

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## A Feature Set You Won't Find on Other Vacuums!



Everyone has dealt with the trouble that a clogged vacuum filter creates, it takes up valuable time and creates a mess. Pulse-Bac solves this problem with our **patented Automatic Pulse-Clean Technology™** that automatically cleans the filter while you work. Others may claim to have “automatic” or “pulse” filter cleaning, but look closely and you’ll see that they fall short of the original, requiring extra equipment like air compressors or manual gadgets that require work to stop for filter cleaning. These don’t truly solve the problem and make for more work. Only vacuums with the Pulse-Bac® name use our unique technology to automatically clean the filter while you work.



Pulse-Bac vacuums are famous for their longevity and reliability. In fact, many of our very early models like the LD, HD, 1300 & 2300 vacuums, now over a decade old, are still serving their owners faithfully every day. However even the best-built machine needs maintenance from time to time. That’s why all Pulse-Bac vacuums include **FREE Lifetime Service & Support**. This covers the cost of in-house labor and provides the owner with free phone or internet support for life.



Each of our patented 5 Point filters is individually serialized & tested to ensure they meet the US Government 99.97 @ .3 micron HEPA Standard required by OSHA, EPA & NIOSH regulations.

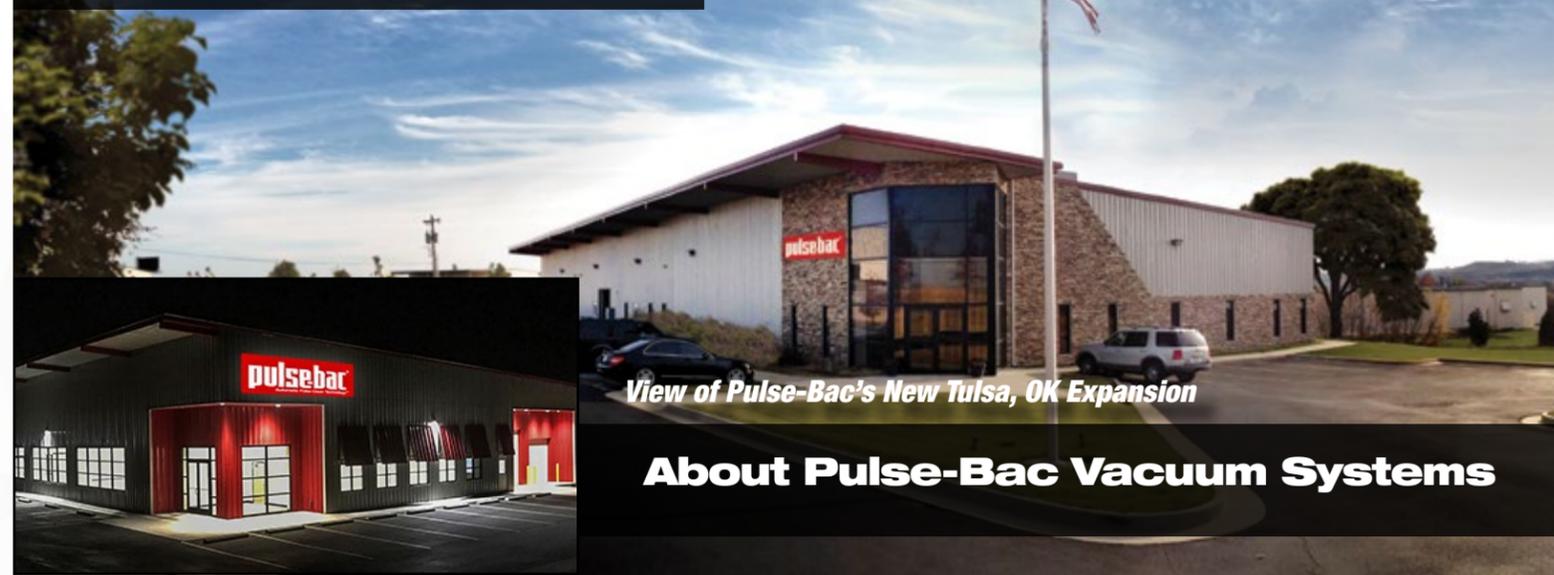
Models with Dual Stage Filtration have an additional filter on the motor exhaust to add an extra layer of protection. These models are an excellent choice when working with more hazardous materials like lead paint or asbestos. All filters are individually tested to IEST RP CC007.3.



All Pulse-Bac vacuums are compliant with OSHA Silica Standard (Crystalline Silica Standard for Construction under 29 CFR 1926.1153). In fact, even our original Pulse-Bac Vacuums from 15 years ago comply with requirements outlined in Table 1 of the Standard.

All filters are individually tested to IEST RP CC007.3.

## Pulse-Bac Facility Tulsa, OK



View of Pulse-Bac's New Tulsa, OK Expansion

## About Pulse-Bac Vacuum Systems

Located in Tulsa, OK. Pulse-Bac® manufactures industrial grade vacuums and dust collection equipment with patented Pulse-Bac® Automatic Pulse-Clean Technology. Pulse-Bac is comprised of a hard-working production team, supervised by engineers and quality controls that produce and deliver outstanding innovative vacuum and dust control products. Pulse-Bac products are sold by a dedicated and award winning Customer Sales and Service Department with a focus on serving the customer.

Pulse-Bac was founded in 2003, motivated to make an effective, yet safe and efficient vacuum filtration system that would keep the filter from clogging during operation. Pulse-Bac has been blazing the frontiers of Vacuum and Dust Extraction innovation ever since. With its highly productive Pulse-Bac® Pulse-Clean Technology, innovative Cyclonic Debris Management systems, tank capacity sensors, and ergonomically designed surface preparation equipment and dust shrouds, Pulse-Bac products are engineered for the users success. Pulse-Bac’s innovative products will help to make jobs healthier and easier to perform, keeping the user within government regulations, while delivering greater productivity, a lower cost of operation and higher profits.

Pulse-Bac is a readily available brand that offers innovative high quality products for everyday applications. It is our goal to meet and exceed the expectations of our customers and to make every experience with us, a positive one.

