WHY BUY THE DUROVAC™ POWERLIFT® VACUUM? Move up to 18 TPH of material, that's why!

The PowerLift® is an industrial class vacuum system with a huge integrated storage hopper. It can be used as a **portable**, or it can be connected to a piping system without modification and used as a **central vacuum**.

It's a DuroVac™!

We take our name seriously. So the PowerLift® works with **the lowest possible maintenance costs**.

To do that the system needs to work perfectly. Our reps are the best of the best, and they'll help you select the most reliable system possible.

The people at DuroVac™ have over 160 years combined experience. Our mission is to design the world's most robust and reliable vacuums. Then we back up everything we sell with the world's best warranty - who else guarantees filter life?

It's Compact & Versatile

- The PowerLift® has an astonishingly small footprint, so you can set up almost anywhere.
- Need a "ready to go" central vac? You'll save thousands in installation costs because everything is pre-wired, factory tested, and ready to work.
- In most cases connection to compressed air for filter cleaning is not required to operate properly.
- Available with electric motor or diesel engine

It's Extreme Duty Ready

- The PowerLift® inlet deflector will **never abrade out**!
- The ultra-heavy duty hopper is designed to work for years without flex and damage. Reliably tip out 30 times per day.
- Gardner Denver SUTORBILT® Legend Series blowers are nearly indestructible. Absolutely minimal care required.

Its Filters Actually Work!

- Collect ultra-fine powders with **the most trouble free filters in the industry**. Some of our customers have had their machines TEN YEARS and not yet replaced filters!
- Collect abrasives, chips, or coolant. You can't kill these filters.

It's Fully Configurable

- Available in all world voltages and a dust tight and weather tight IP56 / NEMA 4 panel.
- Configure with pulse cleaning and overbags for reliable fibrous material handling.
- Select with an available full vacuum pump for very long piping and very dense material.
- Add an inline or HEPA filter.
- A sound enclosure is available to reduce noise levels to less than 80 dBa at 1m (3ft)

It's a Positive Displacement Vacuum

- A positive displacement pump pulls harder and delivers higher vacuum as the hose fills.
- Achieve vacuum up to 700 mbar (24" Hg.)
- Constant velocity means you'll move huge tonnage and easily support very long hoses
- A P.D. vacuum pump means you'll have a more reliable, "clog free" central vac.

Capabilities & Specifications

	PL20	PL25	PL30	PL40	PL50	PL75
Hose Size Density < 75 lb/ft^3 Longest Hose 200 ft [1.]	1 x 3.0" 2 x 2.0" 4 x 1.5"	1 x 3.5" 5 x 1.5"	1 x 4.0" 3 x 2.0" 6 x 1.5"	1 x 5.0" 2 x 2.5" 4 x 2.0"	1 x 6.0" 2 x 2.5" 4 x 2.0"	1 x 6.0" 2 x 2.5" 5 x 2.0"
Hose Size Density < 150 lb/ft^3 Longest Hose 300 ft [1.]	1 x 2.5" 1 x 2.0" 3 x 1.5"	1 x 3.0" 2 x 2.0" 4 x 1.5"	1 x 3.5" 3 x 2.0" 5 x 1.5"	1 x 4.0" 2 x 2.5" 3 x 2.0"	1 x 5.0" 2 x 2.5"	1 x 6.0" 2 x 2.5"
Performance (TPH) [2.]	3.5	4	4.5	6	8	12
Horsepower (Hp)	20	25	30	40	50	75
Optional Diesel (Hp)	-	35	-	-	74/100 [3.]	100/140 [3.]
Airflow (icfm)	400	525	650	850	1050	1550
Vacuum ("Hg.)	16	16	16	16	16	16
Standard Filters (Ft^2)	85.5	85.5	85.5	121	121	198
Pulse Filters (Ft^2)	120	120	120	210	210	270
HEPA Filter	Option	Option	Option	Option	Option	Option
Hopper Size (Yrd3)	1.33	1.33	1.33	2.0	2.0	2.5
Noise Level (dBa)	82	85	87	85	87	90
Empty Weight (Lbs)	3350	3450	3500	4820	4900	7500

1. **Longest hose** includes piping, if applicable. DuroVac "performance" is built into these recommendations!
2. **TPH** is based on dry sand with 50 ft of hose. Decrease (increase) by 1 lb/min/ft for longer (shorter) hose.
3. Lower Hp used with standard filtration system, higher Hp includes on-board compressor for pulse cleaning.

HOW TO CONFIGURE THE DUROVAC™ POWERLIFT®

General Notes

The PowerLift® is an industrial duty vacuum cleaning system designed to collect sand, gravels, metal chips, steel shot and other abrasive material.

The system is designed as a completely pre-assembled system, run tested in shop, and ready to work.

The system is configurable in any world voltage. And diesel engines are available with and without on-board compressors.

A level switch is included as standard equipment.

Typical materials include:

Density <50 lbs/ft^3	Density <75 lbs/ft^3	Density <150 lbs/ft^3
Carbon Black	Compounding Powder	Limestone and cement
Plastic Pellet	Minus 2" Coal	Gravel and sand
Wood Dust	Gypsum	Taconite
Flyash	Wood Chips	Glass Cullet

Filtration

Of all materials listed above, ONLY the wood dust and chips CANNOT be handled by the standard DuroVac™ filter system. The standard filters are *so effective* and *last so long* that we actually **guarantee the filters for THREE YEARS**.

A system that works perfectly and that does NOT require connection to plant air is highly desirable for any place that does not have compressed air in the area (often the case for a portable), or that has low quality air, or that does not have the ability to maintain a pulse system.

Configure as a pulse cleaned system when:

1. The system is being used as a central vacuum system.
2. The dust is fibrous like wood dust or chips. Configure with overbags as well.
3. The dust is combustible and explosive.
4. The density of the material is less than 25 lbs/ft^3

ALL DuroVac™ filters are 100% grounded PTFE 99.95% at 0.5µ efficient and meet the conductivity requirements of NFPA 654 and DIN 54345 Part 5. For classified dusts like lead oxide, configure the system with a HEPA filter, 99.97% at 0.3 micron efficiency.

Combustible Dust

The PowerLift® is available with an explosion vent to be NFPA 68-2013 and 654-2013 compliant. The material Kst must be less than 160. If the Kst is greater than 160, specify the DuroVac Elevator™ instead.

An inline filter must be used for combustible dust applications. If the system is to be used indoors, a Flameless Vent must be used.

The explosion vent ships standard with a burst vent shut down switch (and the very expensive Intrinsically Safe 24V relay). The inline filter is required to stop burning embers from releasing before the vacuum pump stops its inertial rotation (since the event is over in microseconds).

Be aware that a system protected against internal explosion is different from an "explosion proof" vacuum. The standard system is designed to operate in an atmosphere rated for CL 2, Div 2 electrical devices. For this environment IP56 / NEMA 4(X) enclosures and TEFC motors are satisfactory. Only Div 1 classified areas require full explosion proof electrical enclosures and motors.

We can help you with this!

Final Notes

The super-duty PowerLift® combines industrial class vacuum with a large on-board material storage hopper. It is UL, C-UL & CE compliant with documentation. It is designed to ship anywhere in the world, and so it is required to be bullet-proof reliable.

We are **so confident of the quality** and the indestructible design that we offer by far the best warranty in the business. We even guarantee our filters!

A number of trailer options are available

Makes a perfect little central vac.

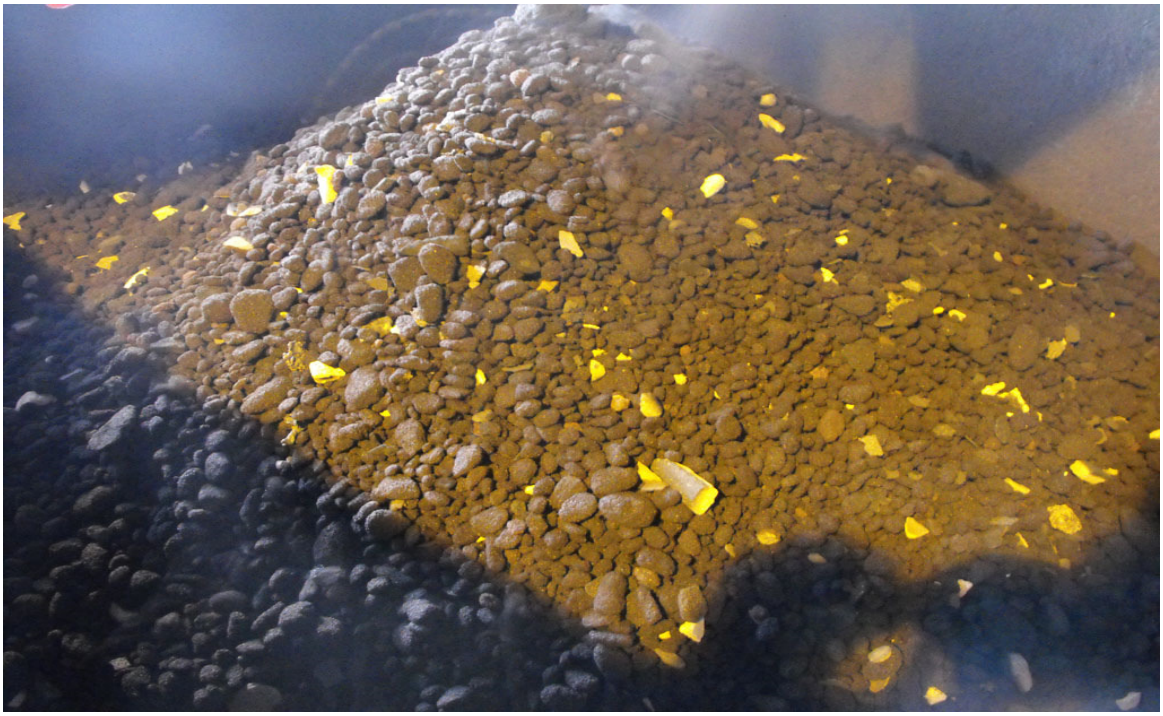
One day the stars aligned and one of each size shipped the same day. Photo op!

These are substantial machines!

Shown with fully grounded, flex hose

Available sound enclosures allow operation under 80 dba at 1m (3ft)

This sort of material is extremely easy to vacuum.



If your place looks like this, CALL US RIGHT NOW!