



### **Hi-Vac® Industrial Vacuums Handle The Toughest Cleanup Jobs**

Hi-Vac® industrial vacuum systems will clean up aggregates, powders, liquids, slurries -- any material that will flow through a hose. With long-reach up to 2,000' (610 m) and powerful suction up to 18" (457 mm) of mercury, Hi-Vac® vacuum systems clean out deep pits, dust collectors, catwalks, holds, conveyors, ducts, elevators, and other hard-to-reach areas.

### **Reduce Your Labor Costs and Downtime**

Most Hi-Vacs® pay for themselves in less than six months. With Hi-Vac® vacuum systems, your crew can do industrial cleanup jobs in hours instead of days. And, they won't be stirring up dust. Your stalled equipment can be cleaned out quickly, during regular working hours to allow for immediate repairs. Choosing a Hi-Vac® industrial vacuum system can cut labor downtime costs.

### **Save Money With Reclaimed Materials**

Spills cost money. Reclaiming your valuable materials with Hi-Vac® industrial vacuums can save you thousands of dollars.

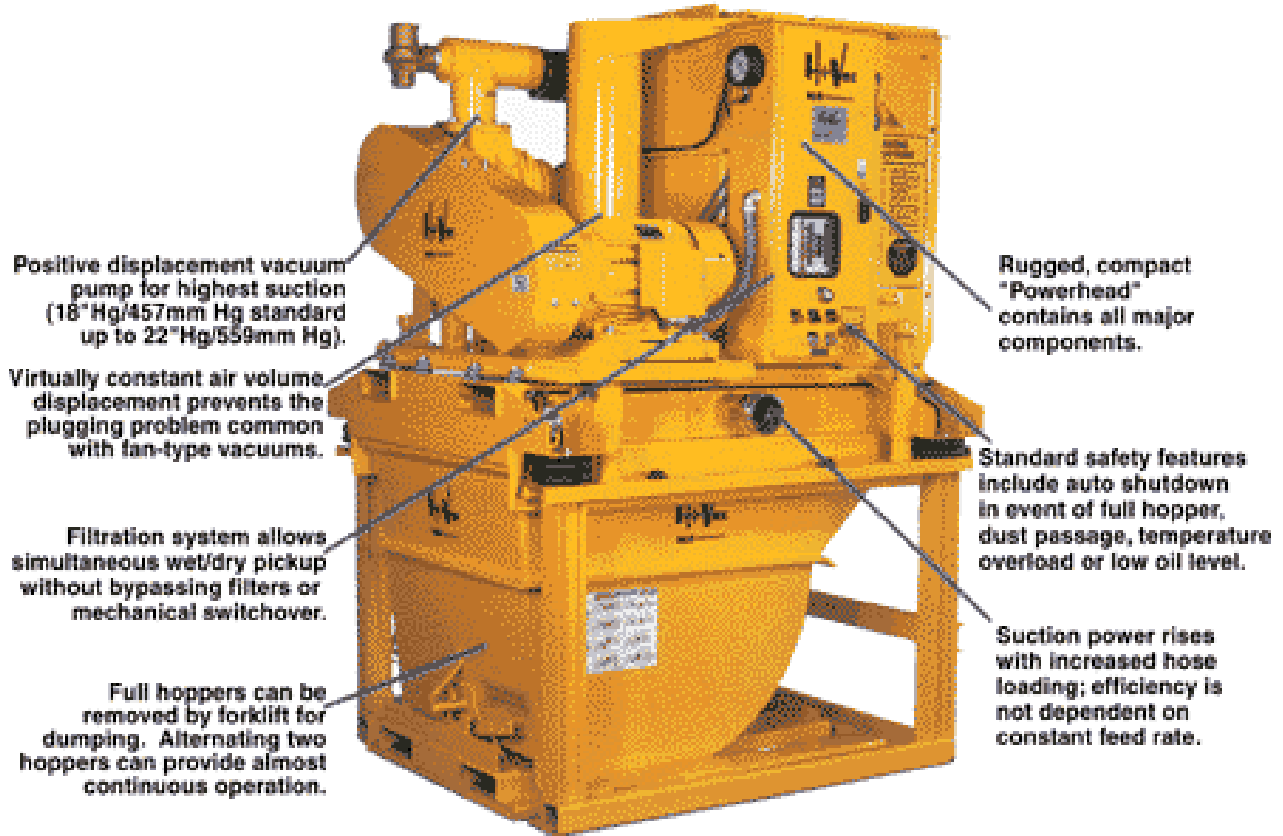
With an intercept hopper mounted over a conveyor belt, for example, your industrial materials can be put back into the process as you vacuum. Fines and other debris are collected in the hopper beneath the Hi-Vac® vacuum powerhead.



### **Component Design Features**

A Hi-Vac® industrial vacuum system cuts costs by reducing cleanup time and reclaiming valuable materials. This versatile vacuum system can be used to pick up any material that will flow through a hose. With its long reach and powerful suction, Hi-Vac® cleans out deep pits, dust collectors, catwalks, holds, conveyors, ducts, elevators and other hard-to-reach spots.

Hi-Vac®'s cost-cutting power has been proven hundreds of times. In fact, most Hi-Vac®s pay for themselves in less than six months through reduced labor costs and reclaimed materials. Units are available with capacities up to one hundred tons per hour, conveying distances up to 2000' (610m), and motors from 10-300 HP.



## "Powerhead" Design Features



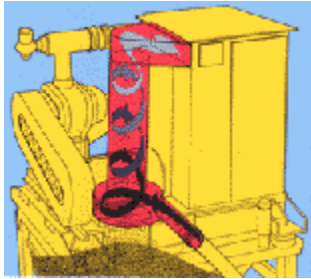
"Powerhead", hopper, and stand are easily transported around your plant...



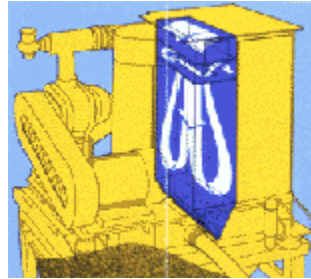
or conveniently lift just the "Powerhead" for transport to different hoppers throughout the plant.



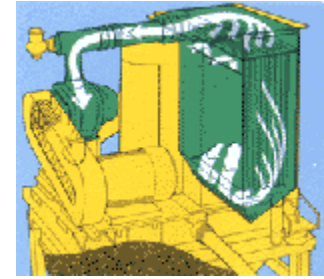
Full hoppers are removed by forklift and carried to the dump site. Two hoppers can be used for almost continuous operation.



Centrifugal separator draws material into circular chamber where it spins out of air stream. Partially cleaned air rises up stack to...



Linear separator for removal of moisture and abrasive dust. It is drawn at high velocity through the narrow slot on top. Entering the larger chamber, it slows down, dropping dust particles to the bottom. Any remaining material is trapped in the ...



Final cloth dust collector, which filters out virtually all sub-micron particles. Cleaned air passes to vacuum pump and is exhausted through silencer.

## 800 Series Wet/Dry Conveying CONSTRUCTION

**Wet and dry vacuum conveying with two stages of material separation:**

- Primary abrasion resistant, radial flow inlet.
- Cartridge dust collector, continuous cleaning, +99% efficiency. Requires connection to plant air supply of 20 CFM @ 80 PSI (0.6 m<sup>3</sup>/min @ 5.5 BAR) maximum for 820, 825 and 830 models and 40 CFM @ 80 PSI (1.2 m<sup>3</sup>/min @ 5.5 BAR) maximum for 840, 850 and 875 models.
- 3/16" steel construction with gasketed, dished head lid for filter cartridge access.
- Fully shop-assembled and tested.
- Available in 20, 25, 30, 40, 50 and 75 HP models, with electric motor.
- Gas/ LP Gas or diesel power available
- Available in portable or stationary versions, with various hopper capacities.

## VACUUM PUMP & MOTOR

- Positive displacement vacuum pump capable of producing a vacuum of 16" HG (0.542 BAR) at atmospheric pressure at sea level.
- TEFC electric motor, 460V/3PH/60HZ, 1750 RPM, 1.15 service factor. (Optional engines available).
- Direct drive with flex coupler and/or "V" belt drive.
- The vacuum pump is a positive displacement type so the motor load increases (pump works harder) as resistance in the vacuum hose increases, rather than decreasing as do turbine or fan type systems.



REPRESENTANTE EN ARGENTINA



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