

Vector Vacuum for Industry- CV Series Continuous Duty Vacuums



CV Series vacuum combine portability, superior filtration, real power, ease of mobility, rugged design and minimal maintenance.

A CV system provides the high vacuum needed to move light or heavy material fast in an integrated package that features 40 cubic feet (1.5³ yd) of usable onboard storage. A CV system is designed to insure control of production spills and cleanups!

The versatile CV Series is offered with varied horsepower and filtration options, providing need-specific high performance cleaning solutions.

The CV's positive displacement vacuum pump attains up to 16" Hg. and actually pulls harder as the hose fills with material. This means CV Series can pick up material three times faster than vacuums using centrifugal pumps.

Choose a CV Series Vacuum! Get long-term serious performance in a compact package with minimum maintenance.

CV Series Common Features:

- SUTORBILT "Legend" positive displacement vacuum pump with vacuum to 16" Hg, continuous
- Dependable, premium efficiency TEFC motor
- Primary filtration **efficient to 99.99% @ 0.4 microns** and available automatic pulse jet cleaning
- 45.4 ft² secondary filter, easily upgrades to HEPA
- Easy-to-read gauges clearly indicates when to service the filtration system
- 40 cubic foot (1.5³ yd) material storage hopper with fork pockets
- Built-in forklift channels on heavy structural frame
- Custom tuned silencer ensures operation below 85 dBa
- Heavy duty, all steel frame 77"(W) x 62" (L) x 87"(H)

Exclusive Triple Filtration System:

Triple filtration assures trouble-free operation with fine powders. The super-efficient primary filter media won't easily blind, so there is never a drop in performance as the canister fills. Vacuum fines continuously until the canister fills without stopping the system to shake the filters.

- First stage cyclonic separator with internal baffle plate to protect against abrasion
- Large main filter in a baghouse type format
- "Surface filtration" type filters, standard
- Inline filter provides protection to operator and vacuum producer if the primary filters fail
- Easy-to-read gauge clearly indicates when to service the filtration system

CV Series Model Specific Features:

| | CV20 | CV25 | CV 30 | CV 40 |
|--|-----------|-----------|------------|------------|
| Recommended Hose | 2.5" ID | 3.0" ID | 3.0" ID | 4.0" ID |
| System Horsepower | 20.0 Hp | 25.0 Hp | 30.0 Hp | 40.0 Hp |
| CFM (Maximum) | 400 acfm | 700 acfm | 1,000 acfm | 1,100 acfm |
| Vacuum (Maximum) | 16" Hg. | 16" Hg. | 16" Hg. | 16" Hg. |
| Baghouse Filter (ft²) | 85.4 | 85.4 | 85.4 | 85.4 |
| Secondary Filter (ft²) | 45.4 | 45.4 | 45.4 | 45.4 |
| Storage (US Gal) | 40.0 | 40.0 | 40.0 | 40.0 |
| Noise Level @ 3ft | 82 dBa | 85 dBa | 84 dBa | 87 dBa |
| Weight | 1707 lbs. | 1744 lbs. | 1819 lbs. | 1860 lbs. |

Standard shaker type filters are specifically designed so that they do NOT need to be cleaned until the material hopper is full! Even on ultra-fines.

CV Series vacuums are serious machines for clean-up jobs that require serious power. **Tremendous for fine powders**, they easily support central vac piping systems up to 400 feet long. Units can also operate with multiple smaller hoses for tight locations or where use of multiple hoses provide operational benefits.

The CV25 and CV30 are suitable for moving high quantities of heavier materials over long distances. Excellent for as inexpensive foundry sand machines. The CV30 conveys over 200 lbs of sand per minute. Using a 4" hose, a CV40 will convey over 250 lbs of sand per minute.

Silencers provide quiet operation, even at full vacuum!

Vector Technologies Ltd

1 (800) 832-4010



performance proven **VACUUM SOLUTIONS™**

Vector Vacuum for Industry- CVE Series Continuous Duty Vacuums



CV Series Common Features:

- Positive displacement vacuum pump with vacuum to 16" Hg, continuous
- Dependable, premium efficiency TEFC motor
- 36 cubic foot (1.33³ yd) material storage hopper with fork pockets
- 95 square feet of media with **an efficiency of 99.9 at .5 microns**, standard.
- Heavy duty, all steel frame 55.7"(W) x 72" (L) x 93.6"(H)

CV Series Model Specific Features:

| | CVE25 | CVE40 |
|--------------------------|------------------|--------------------|
| Recommended Hose | One 3" or Two 2" | One 4" or Two 2.5" |
| System Horsepower | 25.0 Hp | 40.0 Hp |
| CFM (Maximum) | 500 ICFM | 850 ICFM |
| Vacuum (Maximum) | 16" Hg. | 16" Hg. |
| Storage (US Gal) | 36.0 | 36.0 |
| Weight | 3760 lbs. | 3935 lbs. |

Standard shaker type filters are specifically designed so that they do NOT need to be cleaned until the material hopper is full! Even on ultra-fines.

Now with Capacitive Level Sensor for overflow protection.

CVE Series vacuum combine portability, superior filtration, real power, ease of mobility, rugged design and minimal maintenance.

A CVE system provides the high vacuum needed to move light or heavy material fast in an integrated package that features 36 cubic feet (1.33³ yd) of usable onboard storage. A CVE system is designed to insure control of production spills and cleanups!

The versatile CVE Series is offered in 25 or 40 Horsepower providing options for high performance cleaning solutions.

The positive displacement vacuum pump attains to 16" Hg Continuous or 18" Hg intermittent, if required, and **pulls harder** as the hose fills with material. This means CVE Series can pick up material **three times faster** than vacuums using centrifugal pumps.

Choose a CVE Series Vacuum! Get long-term serious performance in a compact package with minimum maintenance.

Exclusive Filtration System:

A unique filtration system assures trouble-free operation with fine powders. Super-efficient primary filter media won't easily blind, so there is never a drop in performance as the canister fills. Vacuum fines continuously until the canister fills without stopping the system to shake the filters.

We are so confident in the quality of the filters we guarantee the filters for two years under normal usual for powers.

CVE Series vacuums are serious machines for clean-up jobs that require serious power. **Tremendous for fine powders**, they easily support central vac piping systems up to 400 feet long. Units can also operate with multiple smaller hoses for tight locations or where use of multiple hoses provide operational benefits.

The CVE25 and CVE40 are suitable for moving high quantities of heavier materials over long distances. Excellent for as inexpensive foundry sand machines. The CVE30 conveys over 200# of sand per minute. Using a 4" hose, a CV50 will convey over 250 lbs of sand per minute.

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performance proven **VACUUM SOLUTIONS™**

Vacuums for Industry - SUPER CVP 2.5 Series Continuous Duty Vacuums



Super CVP 2.5 Series vacuum systems combine portability, pulsed filtration, real power, ease of mobility, rugged design and minimal maintenance.

Super CVP 2.5 systems provide high vacuum needed to move light or heavy material fast in an integrated package featuring 68 cubic feet (2.5³ yd) of usable onboard storage. CVPL systems are designed to ensure operator control of production spills and cleanups!

Super CVP models are offered in varied horsepower and with filtration options, providing need-specific high performance cleaning solutions.

A positive displacement vacuum pump attains up to 16" Hg. and actually **pulls harder** as the hose fills with material. This means Super CVP units can pick up material **three times faster** than vacuums using centrifugal pumps.

Choose a Super CVP 2.5 Series Vacuum! Get long-term serious performance in a compact package with minimum maintenance.

Super CVP 2.5 Common Features:

- Dependable positive displacement vacuum pump with vacuum to 16" Hg, continuous
- Dependable, premium efficiency TEFC motor with NEMA 4 controls
- Automatic pulse jet cleaning of filtration efficient to 99.9% @ 0.5 microns
- 75.5 ft² secondary filter, easily upgrades to HEPA (optional)
- Easy-to-read gauges clearly indicates when to service the filtration system
- 2.5³ yd material storage hopper with fork pockets
- Built-in forklift channels on heavy structural frame
- Custom tuned silencer ensures operation below 87 dBA
- Heavy duty, all steel frame 74"(W) x 82" (L) x 104"(H)

Exclusive Pulsed Triple Filtration System:

A reliable filtration assures trouble-free operation with fine powders and other bulk product. Super-efficient primary filter media won't easily blind, so there is never a drop in performance as the canister fills. Vacuum continuously until the hopper is completely filled without stopping the system.

- Filter cleaning shall be automatic, pulse jet cleaned, initiated by high differential pressure (DP).
- First stage "silo fill" separator protect against abrasion
- Large main filter in a baghouse type format
- "Surface filtration" type filters, standard
- Optional inline secondary filter provides protection to operator and vacuum producer if the primary filters fail
- Easy-to-read gauge clearly indicates when to service the filters
- Extremely quiet, even at full vacuum.

Super CVP 2.5 Series Model Specific Features:

| | CVP400 | CVP500 | CVP750 |
|---|-----------------------|--------|--------|
| Recommended Hose | 3 or 4" ID | 4.0" | 5.0" |
| System Horsepower | 40 Hp | 50 | 75 |
| Max CFM – (ACFM) | 950 | 1,150 | 1,450 |
| Vacuum (Maximum) | 16" | 16" | 16" |
| Baghouse Pulsed Filter (ft ²) | 240.0 ft ² | 240.0 | 240.0 |
| Secondary Filter (ft ²) | 75.5 ft ² | 75.5 | 75.0 |
| Storage (yd ³) | 2.5.0 yd ² | 2.5.0 | 2.5.0 |
| Weight (lbs) | 5,350 lbs. | 5,380 | 5,610 |
| Noise Level @ 10 feet | 87 dBA | 88 | 92 |

Super CVP 2.5 Series vacuums are serious machines for clean-up jobs requiring serious pick-up power. **Tremendous for fine powders**, Super CVP 2.5 can support central vac piping systems up to 400 feet long. Units may also be operated with multiple smaller hoses for tight locations or where use of multiple hoses provides operational benefits.

The CVP 500 will move sand though a 50 foot 4" hose at over 200 lbs/min. The CVP 750 conveys sand at 400 lbs/min using a 5" hose. Even greater production will occur with shorter conveying distances.

Custom-tuned silencers provide quiet operation, even at full vacuum!

Vector Technologies Ltd. Toll Free 1.800.832.4010

Warning: While all Super CVP units are designed for continuous operation at full load without modification, the vacuums cannot be run at 18" continuously. Failure to follow this warning could case damage to the vacuum.

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