



Portable Industrial HEPA Vacuum Cleaner

MODEL: PLĒCO™ 28

OVERVIEW: Regenerative HEPA Vacuum Series

The PLĒCO™ 28 Portable Vacuum System is engineered for efficient and safe vacuuming of combustible dust and other hazardous materials in industrial environments. With robust features and customizable options, this vacuum system is ideal for protecting vital equipment and maintaining a clean, safe workspace.

KEY BENEFITS

- **Combustible Dust Protection:** Designed for use with combustible dust to safeguard vital equipment and prevent hazardous situations.
- **Customizable Design:** Can be tailored to your specific space and application requirements. Fit for any plant layout, including systems that serve piping networks up to 1,000' long.
- **Space-Saving:** Occupies minimal plant floor space, making it ideal for compact work areas.
- **HEPA Filtration:** Built-in HEPA primary and secondary filtration in a compact design (99.97% efficiency @ 0.3 microns) protects employees from harmful airborne particles like asbestos, lead, and other fine particulates.
- **Low Maintenance:** Engineered for easy maintenance with a self-cleaning filter system and long-lasting components.
- **Versatile Operation:** Offers both single-operator (1.5", 2", or 3" ID hose) and multi-operator (up to five operators) systems.



PRODUCT FEATURES

- **Regenerative HEPA Vacuum Series:** Ensures continuous operation with high filtration efficiency to keep air clean and protect workers.
- **Primary and Secondary Filtration:** Compact, multi-stage filtration system for maximum dust collection efficiency.
- **Pulse-Jet Filter Cleaning:** Automatically shakes the filters without needing to power down, improving operational uptime.
- **Piping Network Design & Integration** available
- **Vacuum Levels:** Up to 13" Hg, providing powerful suction for even the toughest jobs.
- **Durable Construction:** Tank made of 3/16" carbon steel for maximum strength and longevity.
- **Exhauster Safety Filter:** Integrated for additional safety during operation.
- **Quiet Operation:** Super-quiet, continuous-duty regenerative vacuum with an industrial squirrel cage motor, suitable for handling heavy, sticky materials.
- **TEFC Motor:** Long-lasting, Totally Enclosed Fan Cooled (TEFC) motor for extra durability and reliability.
- **High Bin Level Detection:** Alerts when bins are full to prevent overflows and ensure proper maintenance intervals.
- **Easy-to-Read Gauges:** Includes vacuum and differential pressure gauges for clear indication of system performance and operational status.

APPLICATIONS

- **Asbestos and Lead Removal:** Safely vacuum harmful materials, ensuring compliance with safety standards.
- **Combustible Dust Recovery:** Ideal for industrial settings that generate combustible dust (e.g., wood-working, chemical processing).
- **Industrial Environments:** Perfect for cleaning sticky materials and debris from metalworking, food processing, aerospace, and more.

See side 2 for specifications.

Contact Us Today!
717-854-4050



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Filter Section Diameter	28"
Operators - 1.5" Hose	1-4 Users
Operators - 2" Hose	1-2 Users
Nominal Max CFM	735
Primary Filter Area	75ft ²
# of Filters	20
Standard Discharge Storage	40gal - 2.0 cubic yards
Standard Pump Size	16.8 HP / 12.6 KW Regenerative TEFC Motor
Vacuum Level Max	72" wc / 5.3"Hg
Unit Weight	800lbs
Combustible Dust	No
Additional Pump Size	20, 25, 30 HP
Construction	14 ga Carbon Steel
Standard Mounting	Wheel - Portable
Filter Efficiency - Primary	99.95% @ 2.5 microns
Frame	Heavy-duty, all-steel welded construction for durability and strength
Secondary Filter	99.97% @ 0.3 microns (HEPA Filter).
Filter Cleaning Mechanism	Shaker
Filter Replacing Location	Side Loading
Standard Voltage	480V - 3 Phase
Push Button Start	Yes
Noise Level	~ 79 dB (A)
Discharge Devices	Rotary valve/slide gate/material transfer

ADDITIONAL FEATURES	
Mounting Options	Floor
Operator Tool Kit Available	6 Piece Operator Tool-Kit
Design/Build Customization Availability	Custom Integration
ACGIH Compliance	Yes
NFPA Compliance	Yes
Pre-Separation Drum Kit Available	Yes
Vacuum Level Options	5.3 - 12"Hg
Additional Voltage Options	208/230/460 575/ 3Phase
File Formats	Navisworks (NWF, NWD), AutoCAD (DWG, DWZ), BMP, DXF, GIF, IGES, Inventor (IDW, IPT, IAM, STP), JPG, PDF, TIFF

Design subject to change without notice due to continued research and improvements. Performance ratings +/- 10%.

USPTO Patent 8,888,880.

Why choose the PLĒCO™ Portable Vacuum System?

SAFETY FIRST: Protects workers and equipment by efficiently removing hazardous dust and particles.

CUSTOMIZABLE & SCALABLE: Flexible design to suit your facility's needs, from small to large operations.

EFFICIENT & LOW MAINTENANCE: Easy filter maintenance with a built-in shaker mechanism and minimal downtime.

ROBUST & RELIABLE: Built for continuous use in demanding industrial environments, ensuring long-term performance.

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