



Portable Industrial HEPA Vacuum Cleaner

MODEL: PLĒCO™ 22

OVERVIEW: Regenerative HEPA Vacuum Series

The PLĒCO™ 22 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.
- **Compact Design:** Fit for any plant layout, including systems that serve piping networks up to 300' 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 and long-lasting components.
- **Versatile Operation:** Offers both single and double operator system.



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.
- **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.
- **Safe Operation:** 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.
- **Easy-to-Read Gauges:** Includes vacuum and differential pressure gauges for clear indication of system performance and operational status.
- **Piping Network Design & Integration** available.

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., woodworking, 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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MODEL	PLĒCO™ 22
Filter Section Diameter	22"
Operators - 1.5" Hose	1-2 Users
Operators - 2" Hose	1 Users
Nominal Max CFM	365
Primary Filter Area	41ft ²
# of Filters	13
Standard Discharge Storage	20gal - 2.0 cubic yards
Standard Pump Size	11.5 HP / 8.6 KW Regenerative TEFC Motor
Vacuum Level Max	140" wc / 10.3"Hg
Unit Weight	615lbs
Combustible Dust	Yes
Additional Pump Size	N/A
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 (Certified 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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