

DC-4

DUST COLLECTION SYSTEM

Airflow
SYSTEMS INC.

SPECIFICATIONS

Construction:	12 ga. steel cabinet, powder coated
Blower Pkgs (HP):	3 HP Radial, 5 HP Radial, opt.; 5 HP Backward Incline
Noise Level (dBA):	90/78 with silencer (3 HP) 95/80 with silencer (5 HP, Rad) 84/75 with silencer (5 HP, BI)
Electrical:	3 HP - 208-230/460/3/60 8/4 amps. 5 HP - 208-230/460/575/3/60 12/6 amps.
Dimensions:	Dust Drawer Model: W- 32" H- 85" D- 42" Hopper/Stand Model: W- 44" H- 133" D- 49"
Air Flow Max (CFM):	1650–3450
Weight (lbs.):	573

Shown with optional
hopper and floor stand



Efficient Filtration, Low Maintenance, and Proven Reliability

The DC-4 dust collector is a complete, economical, self-contained unit designed for immediate operation. Direct-drive blowers provide higher static pressure, longer filter life, and reliable performance with no belts or pulleys to maintain. Advanced features like compressed filter mounting, non-electrostatic operation, and the Vibra-Pulse® filter cleaning system are up to 75% more effective than reverse pulse and ensure efficient filtration and low maintenance, while auto-clean off-line cleaning and an easy-access dust drawer simplify upkeep.

Options

- **Pressure Gauge Kit:** Indicates when filters require cleaning.
- **HEPA High Efficiency After-Filter:** Provides 99.97% filtration efficiency.
- **Absorption Module:** Charcoal after-filter removes gases and odors.
- **Custom Cartridge Media:** For specific applications.
- **Hopper with Floor Stand:** For 5-gallon pail, 20-gallon drum, or 55-gallon drum.
- **Intelligent Controls for "Intelligent Efficiency":** Provides significant savings on your energy bill while reducing facility noise levels.

Features & Benefits

- **Complete, Self-Contained Unit:** Economical; immediately functional.
- **Direct-Drive Blowers:** Higher static pressure, longer filter life and greater reliability; no belts or pulleys to replace.
- **Non-Electrostatic Operation:** High reliability, low maintenance.
- **Compressed Filter Mounting:** Eliminates contaminant bypass of filters.
- **Vibra-Pulse® Filter Cleaning System:** Cleans filters 75% more effectively than reverse pulse systems.
- **Auto-Clean Off-line Filter Cleaning:** Automatically cleans filters when unit is shut off.
- **Compressed Air Regulator**
- **Dust Drawer:** Easily remove external dust drawer with positive lever lock.

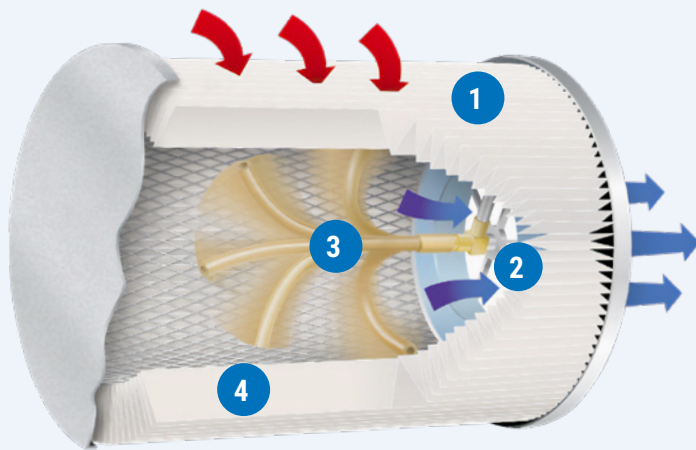
Industrial Applications

Welding smoke and fumes, grinding and sanding dust, cutting and polishing debris, mixing operations, ceramic and pottery studios, educational and industrial labs

Vibra-Pulse[®] Filter Cleaning System: 4x Cleaner Than Reverse Pulse

Unlike traditional reverse pulse systems that leave dirt trapped deep in filter pleats, Vibra-Pulse[®] uses a powerful combination of high-force air and a patented internal rapping hose to knock out deeply packed dust. The result: Filters are restored to within 10% of original pressure and retain up to 80% of holding capacity—four times more effective than standard methods.

Features & Benefits



1 Quick-Release Filter Coating

Blended base sheet + polypropylene film for a built-in dust cake. Delivers 97.9% efficiency right from start-up.

2 Clean Air Release

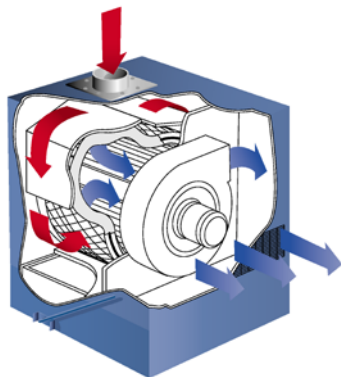
Clean-2[®] filter media capture 97.9% initially and 99%+ on average, ensuring clean air returns to your workspace.

3 Wear-Resistant Impactor Hose

A durable, dual-layer hose strikes inside the filter in random motion to loosen deep dirt, while compressed air clears surface dust into a collection tray.

4 Airflow Efficiency

Cleaner filters and lower static pressure boost airflow, reduce motor load, and cut energy use.



Vibra-Pulse[®] Cleaning Air Filtration Path

Vibra-Pulse[®] Filter Cleaning provides high-efficiency unit operation. Clean filters and low fan static pressure improve air flow and reduce motor load and energy consumption.