

DC-18

DUST COLLECTION SYSTEM

Airflow
SYSTEMS INC.

SPECIFICATIONS

Construction:	12 ga. steel cabinet, powder coated
Blower Pkgs (HP):	5, 7.5, 10
Noise Level (dBA):	84/75 with silencer (5 HP, Backward Incline) 84/75 with silencer (7.5 HP, Backward Incline) 89/78 with silencer (10 HP, Backward Incline)
Electrical:	5 HP - 208-230/460/3/60, 12/6 amps, std. 7.5 HP - 208-230/460/3/60, 17.2/8.6 amps, opt. 10 HP - 208-230/460/3/60, 24/12 amps, opt. 10 HP - 208-230/460/575/3/60, 24/12/9.6 amps, opt.
Dimensions:	W- 55" H- 158" D- 58"
Air Flow Max (CFM):	3550-6800
Weight (lbs.):	1730



High-Performance Air Cleaning in a Self-Contained Unit

The DC-18 dust collector is a complete, economical, self-contained unit designed for immediate operation. Spark-resistant, direct-drive blowers deliver higher static pressure, longer filter life, and reliable performance with no belts or pulleys to maintain. Non-electrostatic operation, compressed filter mounting, 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

- **Block-Off Filter Cleaning:** Vibra-Pulse® system cleans while unit is in operation.
- **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 Short Floor Stand:** For 20 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; spark-resistant; no belts or pulleys to replace.
- **Non-Electrostatic Operation:** High reliability, low maintenance.
- **Pressure Gauge Kit:** Indicates when filters require cleaning.
- **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**
- **Hopper with Floor Stand:** For 20 or 55 gallon drum.

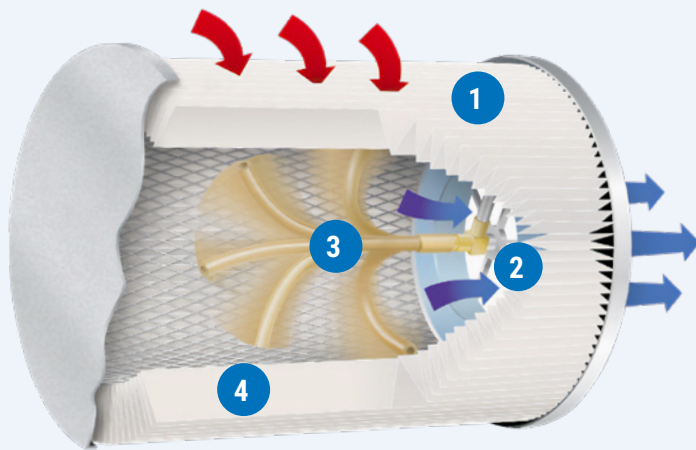
Industrial Applications

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

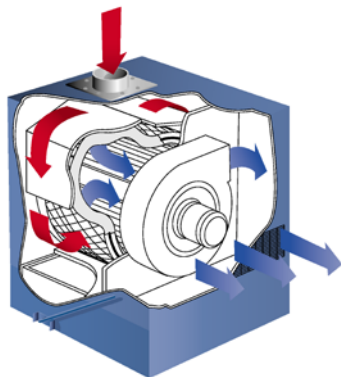
Clean-2® filter media capture 97.9% initially and 99%+ on average, ensuring clean air returns to your workspace.

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.