

# DustPak® Self-Contained Dust Control Systems

## DustPak® PowerBooth™

Add high-efficiency contaminant capture to existing workstations in your facility.



## DustPak® Dust Control Booth™

A self-contained enclosure isolates contaminant-generating processes anywhere in your facility.



DCB-2 with optional Regain Air System.

## PowerBooth™ & Dust Control Booth™

The Airflow Systems® PowerBooth™ and Dust Control Booth™ provide a self-contained work environment, removing airborne contaminants from worker breathing zones and preventing pollutants from migrating into other areas of the facility. Constructed of galvanized 16 gauge steel the PowerBooth™ and Dust Control Booth™ easily integrate into industrial environments.



Capturing contaminants as they are generated means a healthier environment for workers and less facility and equipment maintenance expense.

### Ambient Collection Volume; Source Collection Efficiency

Many in-plant finishing operations generate heavy amounts of airborne contaminants that cannot be adequately handled by source collection. These contaminants can also spread through a facility contaminating other processes before they can be collected by ambient systems. Airflow Systems® Powerbooth™ and modular Dust Control Booth™ systems go to work where source capture and ambient systems cannot.

### Industrial Applications:

- Welding
- Grinding
- Sanding
- Woodworking
- Powders
- Composite dust
- Overspray
- Smoke
- Brazing
- Abrasive blasting
- Surface finishing
- Metalworking
- Air arcing
- Powder coating
- Plasma cutting
- Plasma spraying
- Machining
- Hand work
- Batch processing
- Curing

### Features & Benefits:

#### PowerBooth™ / Dust Control Booth™

- **Industry's largest inlet grille area:** Keeps contaminants from worker's breathing zone; inlet air diffuser design reduces air velocity, lowering operating costs, reducing premature filter loading.
- **Industry's smallest footprint:** 24"D x 48"W; maximizes floor space.
- **High-volume dust collection:** Maintenance cycles are extended with a large-volume dust collection drawer.
- **Built-in safety damper:** Eliminates dust blow-back during cleaning.
- **Tool-less filter change-out design:** Faster change-outs reduce maintenance time and labor costs.
- **Self-contained dust collection system:** Eliminates costly ductwork and the need for a separate dust collection system.
- **Vibra-Pulse® filter cleaning system:** Cleans filters 75% more effectively than reverse pulse systems; reducing downtime and maintenance.
- **Auto-Clean off-line filter cleaning:** Automatically cleans filters when the unit is shut off.

#### Dust Control Booth™ only:

- **Full 8-foot working height:** Provides safer, larger working environment to improve worker productivity.
- **Double-insulated sound panels:** Prevent noise from disrupting other plant operations; reduces worker fatigue.
- **Dust-resistant light fixtures:** Provides optimum visibility, productivity.

## Specifications

### DustPak® PowerBooth™

Air flow	4500 CFM
Average face velocity	200 FPM
Construction	16 gauge welded steel, powder coated cabinet. Includes (2) external dust drawers. Removable panels for easy access to filters and blower. Motor wired to junction box outside unit. Motor starters and disconnectors NOT included.
Weight	680 lbs.
Sound level	77 dBA
Motor/blower	5HP/non-sparking; direct-drive BI
No. of filters	6
Electrical	5 HP, 208-230/460/3/60, 13-12/6.0 amps, std. 5 HP, 230/1/60. 19.5 amps, opt.

### Options:

- **After-filters:** 99.97% HEPA, 95% DOP and Odor modules.
- **Cartridge Media:** For specific applications.
- **Deep, 12-Inch Side Shields:** Direct contaminant intake; increase collection efficiency.
- **Silencer:** Reduces air flow noise for quieter operation.
- **Pressure Gauge Kit:** Indicates when filters require cleaning; improving maintenance efficiency.
- **Factory-installed Casters:** Provides portability; increases system versatility.
- **Welding Package Kit:** Includes special cartridges and non-reflective inlet.

### DustPak® Dust Control Booth™

	DCB-1	DCB-2	DCB-3	DCB-4	DCB-5	DCB-6
Air flow (CFM)	4500	9000	13500	18000	22500	27000
Average Face Velocity (FPM)	95	140	140	140	140	140
Total HP, Motor/Blower	5 HP	10 HP	15 HP	20 HP	25 HP	30 HP
Filtration Cartridges	6	12	18	24	30	36
Work Lights	2	2	3	4	5	6
Electrical	5HP 208-230/460/3/60, 13-12/6.0 amps, std. 5HP 230/1/60, 19.5 amps, opt.					
Construction	Power Booth Module(s): 16 ga. welded zinc coated steel cabinet. Roof/side panels: 16 ga. galvanized steel, 2'W x 3'L x 8'H, Roof load of 200 lbs.					

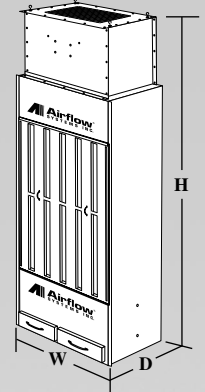
### Options:

- **Pressure Gauge Kit:** Indicates when filters require cleaning; improving maintenance efficiency.
- **Welding Package Kit:** Includes special cartridges and non-reflective inlet.
- **Regain Air Design:** Increases collection efficiency through unique push/pull airflow pattern.
- **After-filters:** 99.97% HEPA, 95% DOP and Odor modules.
- **Cartridge Media:** For specific applications.
- **Silencer:** Reduces air flow noise for quieter operation.
- **Manual Filter Cleaning**

## Dimensions

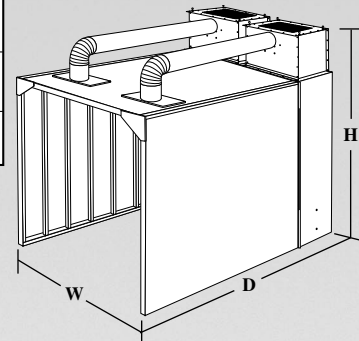
### DustPak® PowerBooth™

	Standard	w/casters	w/side shields
Height (in.)	122	127	122 or 127
Width (in.)	48	52	74
Depth (in.)	24	72	24 or 72



### DustPak® Dust Control Booth™

	DCB-1	DCB-2	DCB-3	DCB-4	DCB-5	DCB-6
Height (ft.)	8	8	8	8	8	8
Width (ft.)	6	8	12	16	20	24
Depth (ft.)	8	8	8	8	8	8



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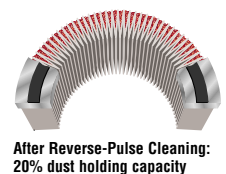
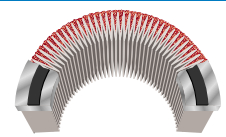
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## Vibra-Pulse®: A Filter Cleaning Advance

### Cleans 4-times better than reverse-pulse systems

At the touch of a button, the Vibra-Pulse® Filter Cleaning System combines pulsed air technology with a filter-rapping action to clean the cartridge to within 1% of its original pressure differential. The Vibra-Pulse® Filter Cleaning System returns filters to an 80% dust holding capacity, 4-times cleaner than reverse pulse systems. And the Vibra-Pulse® Filter Cleaning System cleans the filter while it's in the unit, eliminating messy cartridge maintenance.



Airflow Systems,® Inc. has a policy of continuous improvement, and reserves the right to change designs and specifications without notice.