Dustron DPB Series

Panel Filter Control Booth

Powerful & Practical Control Of Dust, Smoke, Fumes or Mist

An Exceptional Alternative for Ordinary Jobs
Designed for industrial applications ranging from light load / continuous duty to heavy load / intermittent duty, the Dustron DPB Panel Booth Series provides a cost-effective, flexible, and user-friendly filtration solution.

Effective Filtration
The Dustron DPB uses standard industrial panel filters with a wide range of available media, allowing filter selection to best fit each specific application. The direct drive blower and multiple pleated filters give the DPB a low air to media ratio, resulting in outstanding flow and velocity, as well as a higher particulate holding capacity.

Easy-Maintenance Operation
Disposable panel filters are simple to replace, and easy to reconfigure for different applications. A monitoring gauge indicates when filters need to be changed.

The Right Filters to Get the Job Done

The DPB Series uses multi-stage / multi-efficiency industry standard 24"x24"x4" pleated media filters, providing efficiencies up to 99.97% at 0.3 microns. Lower efficiency, less expensive prefilters may be used to capture the larger particulate, while secondary filters range from activated carbon to Merv 13 efficiency to HEPA quality, depending on the needs of the application. In addition, chevron impinger pre-filters may be used for heavy mist or sparks.

Total Cost Savings

Reduced Initial Costs
The DPB offers the advantages of booth collection and containment without the expense of heavy-duty self-cleaning cartridge systems: no costly plumbing such as valves and headers, or expensive controls such as timers and solenoids.

Reduced Operating Costs
There are no compressed air costs, and the high-efficiency blower wheel, combined with the best new technology filter media, creates a very low pressure drop, resulting in optimal flow and velocity with the lowest possible energy cost.

Dust Control Booths

Dustron DPB Series

Multi-Stage Disposable Filter System

Why do I need a dust booth when I already have a paint booth?

- The typical tube axial blower used in paint booths is not powerful enough to pull through higher efficiency filters.
- The Dustron Panel Booths provide up to HEPA grade filter efficiency.
- The DPB uses direct drive, backward inclined blowers for quieter operation as well as higher static pressures.
- The "Push/Pull" Regain Air system enhances capture velocity up to 800 FPM in the working zone.
- The Dustron recirculates clean, filtered air, saving on heating and cooling costs.

Dustron DPB Single Panel Booth Series

MODEL	CFM	Dimensions	Filter Ft²	HP
DPB-8-16-5	7,600	8'W--16 Filters	448	5
DPB-10-20-7.5	9,000	10'W--20 Filters	560	7.5
DPB-12-24-10	12,000	12'W--24 Filters	678	10
DPB-16-32-2x5	15,200	16'W--32 Filters	896	2x5
DPB-20-40-2x7.5	18,000	20'W--40 Filters	1120	2x7.5

Dustron DPB Double-Sided Panel Booth Series

MODEL	CFM	Dimensions	Filter Ft²	HP
DPB-2-8-32-10	12,000	8'W--32 Filters	896	10
DPB-2-10-40-15	18,000	10'W--40 Filters	1120	15
DPB 2-12-48-2x10	24,000	12'W--48 Filters	1344	2x10
DPB-2-16-64-2x10	24,000	16'W--64 Filters	1792	2x10
DPB-2-20-80-2x15	36,000	20'W--80 Filters	2240	2x15

Guaranteed to Meet or Exceed OSHA Requirements for the Breathing Zone

The Dustron Panel Filter Booth provides the media selection and configuration to meet or exceed OSHA compliance for Fiberglass, Hexavalent Chromates, Lead, Beryllium, Composites, Wood, Plastic and Metal.

Options / Customization

- Single or Double-Sided Workstations in 2 Foot Wide Increments
- Environmental Booth Constructed of 18 Gauge Galvanized Sheet Metal
- Sound Insulation Material
- Downdraft / Backdraft Tables
- Black Out Curtains with Black Lights for Dye Penetrant Testing
- Odor Control Modules
- Chevron Impinger Pre-filters for Mist or Sparks
- Stand-Alone Dust Collector Modules (DPBC) are available for use with existing booth structures

Typical Applications

- Welding
- Grinding
- Sanding
- Woodworking
- Overspray
- Brazing
- Machining
- Curring
- Buffing
- Surface Finishing
- Powder Coating
- Metalworking

Filter 1 has a policy of continuous design improvement and reserves the right to update designs and specifications without notice.