What Industry Needs in a Downdraft Table

A Size That Fits the Application
From single-station to multi-operation, every Downtron is sized to fit the need, whether meeting stringent space requirements or accommodating multiple workers and/or large pieces.

Rugged Construction Combined With Quiet, Energy-Efficient Operation
The DFF Series is built of heavy-sheet steel and rolled structural shapes in an all-welded cabinet. Direct drive, backward-inclined airfoil type blowers have coned inlets and sound-insulated housing. With a standard rating of 78DB or lower, the Downtron may also be equipped with an optional blower exhaust stack silencer.

Ultra-Efficiency Nanofiber Cartridge Filters with Automatic Cleaning
Rated at MERV 15 efficiency, the Pulsatron’s cartridge filters operate at a 40-60% lower pressure drop than traditional cartridge medias, resulting in lower energy consumption and a longer filter life. The media is tightly meshed of ultra-fine fibers 300 to 500 nanometers in diameter, effectively screening out sub-micron particles and assuring easy release of the dust cake during the cleaning cycle. The power-pulse cleaning system uses a solid-state programmable logic controller (PLC) to automatically sequence the pulse valves during the off-line cleaning cycle.

Why a Self-Contained Downdraft Table?

Broad Spectrum Collection
Works with gravity to collect a wide range of dust particles.

Worker Ease
Freedom of movement for the operator, as compared to arms or vacuum attachments.

Accessibility
Provides a work cell wherever needed in the shop.

Various Size Tasks
One or more operators, working on small or large pieces.

Space Economy
Compact dust collector / work table configuration.

Energy Savings
Re-circulation of filtered air.

FILTER 1
Custom Specialists for Industrial Needs

1-800-289-0189
High-Efficiency Dust Collection Table Sized to Fit the Need

Features
- Ultra-efficient Nanofiber Cartridge Media
- Three Phase TEFC Motors on Rubber Vibration Mounts
- Direct Drive, Backward Inclined Airfoil Type Blower with Coned Inlet for Maximum Efficiency
- Sound Rating of Maximum 78 DB
- All Welded 12/14 Ga. Steel
- No Bearings to Grease or Belts to Change
- Pull-Out Dust Drawers
- Automatic Power-Pulse Filter Cleaning System Utilizing Solid State PLC
- Grated Downdraft Work Surface
- Industrial Blue Enamel

Options
- Carbon After Filters
- Odor Absorption Modules
- Sound Attenuators
- Safety After Filters--ASHRAE or HEPA
- Work Surface Grating: Metal, Galvanized, Stainless Steel, Non-Scratch Fiberglass, Rubber, Wood; Various Hole Size
- Safety Monitor Gauge and Alarm
- Motor Starters and Electrical Disconnects with Transformer for Cleaning Circuit Control and Lighting
- Auxiliary Air and Power Outlets
- High Temperature Cut-Off of Blower
- Sprinkler Heads
- Application-Specific Filter Media
- Casters: +2" to Height
- 24-Hr. Timer for Auto Clean

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

Typical Applications

Contaminants: Light to Heavy Dust, Soldering Smoke, Powders, Dry Chemicals

Processes
- Sanding / Grinding
- Soldering
- Chemical Mixing
- Finishing
- Deburring
- Buffing

Downdraft Table With Integral Cartridge Dust Collector

<table>
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<th>MODEL</th>
<th>CFM</th>
<th>HP</th>
<th>D x W*</th>
<th>Filter SQ FT</th>
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*Larger/Custom Sizing Available: Consult Factory

2525 National Dr.
Garland, TX 75041
972-278-2664
info@filter-1.com
www.filter-1.com