Enhancing the Work Environment

Noise Control
Solid Construction: Standard booth built with 18 gauge steel walls and ceiling. High-Density Insulation: Sound-absorbing mats of two-inch fiberglass compressed to one inch applied to inside surfaces of booth. Outer Layer: Further enhancement of sound attenuation with 5 mil. aluminized vinyl impregnated fiberglass cloth covering of mat with Class 2 fire-retardant treatment.

Visibility
Integral Lighting: Sealed and gasketed dust-tight fluorescent lights. Clean Air Curtain: Clean, filtered air from the Regain Air plenum pushes contaminants away from the breathing zone, providing improved visibility as well as promoting comfort and health.

The Industry Leader in "Push-Pull" Regain Air

High Capture Velocity
Other dust booths depend on air suction velocity of only 140 FPM, while a regain air booth can generate positive velocities of over 400 FPM. The Dustron's fully adjustable Regain Air System provides working area velocities of 400/800 FPM. The timer-controlled, automatic self-cleaning system consisting of solenoids, dump valves, a programmable logic controller (PLC) and blow-down pipes assures that the booth maintains consistent capture velocity.

Efficient, Quiet Operation
Low speed, high flow blowers have airfoil blades for high fan efficiency as well as low noise. Noise levels are also minimized with sound-insulated blower chamber, ductwork and Regain Air plenum.

Ultra-Efficiency Nanofiber Filters
Rated at MERV 15 efficiency, the Dustron's nanofiber cartridge filters operate at a 40-60% lower pressure drop than traditional cartridge medias, resulting in lower energy consumption and a longer filter life. Cartridges are vertically oriented to provide even, full-capacity filter loading and cleaning. The pulse filter cleaning system uses a solid-state programmable logic controller (PLC) to provide reliability and flexibility.

1-800-289-0189
Dustron Series
The 99.9% Efficient Dust Collector Booth

Standard Specifications
- Cartridge Size: 12.75" Dia. X 30" Long
- Cartridge Area: Each Cartridge 250 ft²
- Gauge of Dust Collector Cabinet: 12-14 ga. Carbon Steel
- Gauge of Booth: 18 ga. Galv. Carbon Steel
- Blower Motor: 208-230/460/600/3 TEFC
- Number of Valves: 1 per 2 Cartridges
- Face Velocity Created by Suction: 150 FPM
- Face Velocity Created by Regain Air: 400/800 FPM
- Regain Air: Adjustable from 0-50%
- Dust Drawer Capacity: 3 ft³
- Lighting: 4 ft Sealed Fluorescent
- Number of Light Fixtures: 8'-2', 10'-3', 12'-4', 16'-6', 24'-7', 30'-8'
- Compressed Air Required: 60 PSIG Clean, Dry Air
- Motor Starter: Included
- Filter Media: Ultra-Efficiency Nanofiber Media
- Filter Cleaning System: By Solid-State PLC
- Sound Control: Fiberglass Compressed and Quilted w/ 5 mil. Aluminized Vinyl-Impregnated Fiberglass
- Cloth Cover w/ U.L. Class 2 Fire-Retardant Treatment
- Industrial Blue Enamel

Finish
Options
- Auger / Vacutron Dust Removal
- High-temperature Cut-Off
- Texas Twister™ Spark Trap
- VFC For Soft-Start and Low Velocity During Cleaning
- Unlimited Width and Depth
- Crane Slot
- Open Top
- Removable Top
- Tilt-Up Top
- HEPA After Filters
- Carbon After Filters

*Up to 70' Wide: Consult Factory for Custom Dimensions
Filter 1 has a policy of continuous design improvement and reserves the right to update designs and specifications without notice.

MODEL | HxLxW* | FILTERS-SQ FT | HP
--- | --- | --- | ---
DB-8-12-7.5 | 90" X 8' X 8' | 12 - 3000 | 7.5
DB-10-14-7.5 | 90" X 8' X 10' | 14 - 3500 | 7.5
DB-12-18-15 | 90" X 8' X 12' | 18 - 4500 | 15
DB-16-24-2x7.5 | 90" X 8' X 16' | 24 - 6000 | 2×7.5
DB-20-28-2x7.5 | 90" X 8' X 20' | 28 - 7000 | 2×7.5
DB-24-36-2x15 | 90" X 8' X 24' | 36 - 9000 | 2x15
DB-30-42-3x7.5 | 90" X 8' X 30' | 42 - 10500 | 3×7.5

Clean Air
High-efficiency filtration system returns 80% or more of the filtered air to the plant environment.

Regain Air
Recirculated clean air pushes dust toward inlet, creating capture velocity of 400+ FPM, compared to a maximum of 140 FPM in other booths.

Ambient Air
Air outside the booth is drawn into the airstream and cycled through the filtration system.

Contaminants
Blower pulls dirty air through the inlet into the cartridge filters, removing 99.9% of submicron particulate.

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