

Duroair's DuroDust™ filtration system filters fine particulate generated during welding, sanding, grinding and other preparation work. It is suitable for lighter dust loads with each layer of filtration customized to meet customer requirements. The DuroDust does not require venting and make up air and clean air is vented to the shop area.

The DuroDust has four stages of filtration that uses both panel and V-Cell filters, increasing the filter face by 4 times. This allows for better capture rates and filter loading, reducing on the number of filter changes required. Each system has a built-in variable frequency drive for complete control of the airflow. Duroair's patented "Taper-Draft" technology ensures optimal capture of 99.7% of all airborne contaminants reducing dust, dirt and creating a clean room environment for diverse uses and industries, depending upon filter package. DuroDust is used for non-combustible dust only.

APPLICATIONS

Stone cutting, composite repair, surface preparation, weld smoke, powder coating and other finishing processes.

QUICK STATS

PAIRED WITH DUROROOM

- The containment area retracts to 20% of the extended length.
- Simplify material handling with access to overhead crane.
- Integrates easily into workflows, no venting is required.
- Rapid commissioning; days vs weeks.

DESIGN CONFIGURATION

- The DuroDust™ system captures all particulate to 1 micron and 99.7% of particulate to 0.3 micron and captures 100% of hexavalent chromium particles generated during surface preparation processes, far exceeding NESHAP 319 requirements.
- DuroDust is a cross-draft design. Exhaust system creates a negative pressure vacuum seal creating a clean purified environment and is ideal for a retractable clean room and/or containing airborne particulate and smoke.

FILTRATION

- First stage captures particulate to 10 microns in size (This is a rough prefilter for protection of stage 2 through 4 filters.)
- Second stage is a MERV 8 filter.
- Third stage is a MERV 11 filter.
- Fourth stage is a NESHAP 319, MERV 15, MERV 16 or HEPA filter, depending upon requirements.
- Hot work package is available.
- Magnehelic Gauge indicates when filter change is required.

