Cabinet Dust Collectors
Reverse-Pulse Dust Collection

Nothing outperforms a ZERO® reverse-pulse cartridge dust collector. All of our collectors trap 99.7% of dust down to 0.5 micron, dramatically decreasing the amount of dust emitted when compared to older bag-style dust collection. This increase in efficiency also leads to an increase in productivity, superior media cleaning, and reduced maintenance.

All ZERO® reverse-pulse collectors operate on a pull-through principle. The exhauster paddle wheel is never in contact with dirty air, which increases the life of the equipment. The exhauster pulls air from the cabinet hopper through the reclaimer and filter cartridges into the dust collector, before expelling clean air into the room.
CDC Collectors
The CDC collectors range from 300 to 900 cfm of air, and are best suited for light- to medium-duty use cabinets. The collectors feature a 5-gallon lined dust drum. Designed to allow optional bag-in bag-out cartridge change, they are a great choice when dealing with dust that contains hazardous waste or unknown materials.

The collectors come standard with a manually operated reverse-pulse cartridge cleaning switch. A timer-based auto pulse kit is available to convert to an automatically pulsing collector.

CDC collectors are sold with or without an exhauster for easy conversions from push-through cabinets that use a dust bag or tubular dry filters with the exhauster mounted on the reclaimer.

RPC Collectors
RPC collectors range from 600 to 900 cfm of air, and are best suited for medium- to high-production applications where height restrictions are a concern.

Dirty air is drawn in to the inlet on one side of the collector. The unit utilizes two filter cartridges, accessible through the top to clean the air. The reverse-pulse action knocks dust and debris down to a collection drawer in the bottom of the unit.

Other features include a Magnehelic® differential pressure gauge kit for determining when filters require service. A timer-based auto pulse kit, and a foam-covered sound-suppression muffler on the exhauster and a control panel are also standard.
**RPH Collectors**

RPH collectors range from 600 to 3600 cfm of air. The collectors are designed for multi-shift, high-volume operations. The included Magnehelic® differential pressure gauge indicates to the operator when filters need service. A control panel with built-in timer automatically pulses the collector.

Models vary in size containing between 2 and 8 filter cartridges, and either one or two 30-gallon dust collection drums. Dust drums can be lined, minimizing contact when disposing of dust, an important safety feature when blasting hazardous or unknown materials. They are designed to allow optional bag-in, bag-out cartridge change.

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**Reverse-Pulse Dust Collector Options**

**HEPA Filter**

All ZERO® reverse-pulse dust collectors are available with optional HEPA filtration. The HEPA filter is sold as a free-standing secondary filter connected to the outlet of the dust collector exhauster. The filter captures 99.97% of the remaining dust down to 0.3 micron.

**Photohelic® Gauge**

The optional Photohelic® gauge increases the life of filter cartridges, and maximizes use of the compressed air supply ensuring the pulse cleaning system is activated only when it is needed. The Photohelic® replaces the Magnehelic® on models where it is included. It monitors the change in static pressure in the exhaust system, and allows the operator to set a high and low point, controlling the auto pulse cleaning system. The system is triggered only when the static pressure reaches the high point; the cleaning cycle then continues until the gauge reaches the low point. This ensures the collector is pulsing only when it is necessary to maintain efficient operation.
Cabinet Dust Collectors

When choosing dust collection, always consider: size of enclosure, production volume, condition of part to be blasted, dust generated by media, the material being blasted, and airflow rating of reclaimer.

<table>
<thead>
<tr>
<th>Dust Collection Style &amp; Model</th>
<th>Stock No.</th>
<th>Horse Power</th>
<th>Electrics</th>
<th>Nominal Airflow Rating (CFM)</th>
<th>Filter Area (ft²)</th>
<th>Quantity of Cartridges</th>
<th>Cartridge S/N</th>
<th>Overall Exterior Dim. W x D x H (inches)</th>
<th>Maint. Height</th>
<th>Weight (lbs.)</th>
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<td><strong>Light-Duty Applications</strong></td>
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<tr>
<td>CDC-1-300 E1◊</td>
<td>28254</td>
<td>1/2 HP</td>
<td>115v/1/60</td>
<td>300</td>
<td>235</td>
<td>1</td>
<td>15781</td>
<td>34 x 42 x 94</td>
<td>11’</td>
<td>543</td>
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<tr>
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<td>115v/1/60</td>
<td>600</td>
<td>235</td>
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<td>11’</td>
<td>555</td>
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<td>235</td>
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<td>374</td>
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<td>34 x 42 x 94</td>
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<td><strong>Optional HEPA after Filters</strong></td>
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<td>22502</td>
<td>25 x 25 x 45</td>
<td>3’6&quot;</td>
<td>180</td>
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</tbody>
</table>

◊ When converting a cabinet from a Dry Filter collector to a CDC collector, a reclaimer conversion kit is needed.

*To mount an existing motor from a cabinet with 300 cfm or 600 cfm reclaimer (in a push-thru system) to the CDC-1 collector (pull-thru system), order an adaptor plate and gasket. For 300 cfm, order adaptor plate 28245 and 9 feet 00187 gasket; for 600 cfm, order adaptor plate 28246 and 9 feet 00187 gasket. A 900 cfm reclaimer motor requires no mounting plate. IMPORTANT: When converting, and buying a CDC collector less exhauster, always make sure the cfm rating and motor HP specification of the exhauster motor to be moved matches CDC-1 exhauster motor specification.