Cyclone
Dry Centrifugal Dust Collector

Leading the Way in Dry Dust Collection Technology
The Evolution of Environmental Solutions

For more than 90 years, AAF International has been providing filtration solutions for industrial processes around the world.

Throughout our rich history, AAF International has pioneered many of the techniques used today to control airborne dust, fume and vapor in virtually every production process. Our constant passion for innovative solutions has led us to offer the most reliable, efficient and durable products available on the market today.

AAF International, a member of DAIKIN Group, also believes in valuing our people, communities and environment. Our ISO 9001 certified facilities utilize lean and green manufacturing to deliver products with short lead times and minimal environmental impact. Our people centered management philosophy enables us to deliver the best customer service and also give back to the communities in which we serve and live.
The Cyclone Advantage

Unlike many dust collectors, the Cyclone contains no moving or replaceable parts and is essentially maintenance free. Air is drawn into the Cyclone tangentially and rotates at high velocity around the inner circumference. The heavier dust is separated from the air by centrifugal action and is deposited in the barrel or hopper.

Benefits
- Welded, heavy construction
- Internal helix
- Integral fan and motor assembly
- Rotatable blower housing
- Square to round inlet
- Flanged outlet
- Support stand for drum
- Barrel top adapter with flexible connection
Applications

- Woodworking
- Metalworking
- Foundries
- Plastics
- Rubber
- Chemicals
- Grains
- Food
- Coal
- Ceramics
- Rock products
- Paper (not “trim”)
Available Options

The Cyclone can be used in almost any application that generates dust particles greater than 20 microns in diameter. Use the Cyclone as your primary collector, with or without the optional after-filter, for dusts of moderate to coarse particle size. The Cyclone will remove up to 99% (by weight) of dust generated by steel grinding and saw dust.

Options
- 55-gallon steel drum
- Hopper with rack and pinion slide gate
- Rotary airlock and receiver
- Discharge elbow with bird screen
- After-filter
- Silencer
- Ice cap for motor
- Abrasion-resistant construction
- Motor starter
Dimensions and Specifications

Selecting Your Cyclone

The following table shows the basic models that are available. Contact your AAF representative for additional details.

<table>
<thead>
<tr>
<th>Size</th>
<th>Airflow (CFM)</th>
<th>Motor (HP)&lt;sup&gt;1&lt;/sup&gt;</th>
<th>Inlet Diam. (Inch)</th>
<th>Dust Storage</th>
<th>Approximate Dimensions (Inch)</th>
<th>Weight (LBS)&lt;sup&gt;5&lt;/sup&gt;</th>
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</thead>
<tbody>
<tr>
<td>AAF-CY16-2</td>
<td>800-1,000</td>
<td>2</td>
<td>6</td>
<td>DRUM D1 ONLY</td>
<td>108</td>
<td>36</td>
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<tr>
<td>AAF-CY20-3</td>
<td>1,000-1,500</td>
<td>3</td>
<td>8</td>
<td>DRUM D1 ONLY</td>
<td>118</td>
<td>42</td>
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<tr>
<td>AAF-CY20-5</td>
<td>1,500-2,200</td>
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<td>8</td>
<td>DRUM D1 ONLY D2</td>
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<td>42</td>
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<td>AAF-CY24-7.5</td>
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<td>7.5</td>
<td>10</td>
<td>DRUM D1 or D2</td>
<td>139/163</td>
<td>42/50</td>
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<td>14</td>
<td>DRUM AIRLOCK&lt;sup&gt;2&lt;/sup&gt; D1 or D2</td>
<td>154/178 215</td>
<td>42/50</td>
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<td>16</td>
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<td>190/212 254 260</td>
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<td>16</td>
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<td>201/223 265 270</td>
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<tr>
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<td>16</td>
<td>DRUM AIRLOCK&lt;sup&gt;2&lt;/sup&gt; D1 or D2</td>
<td>201/223 265 270</td>
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<td>20</td>
<td>AIRLOCK&lt;sup&gt;2&lt;/sup&gt; HOPPER&lt;sup&gt;2&lt;/sup&gt; A</td>
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<td>295</td>
<td>4</td>
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</tbody>
</table>

* 1 Integral fan only
* 2 All dimensions include fan and motor. Airlock and hopper heights include 48 inches clearance from the Cyclone assembly outlet to ground level. The support stand for the Cyclone with airlock or hopper option is supplied by others. Modify the height accordingly depending on the height of the support stand.
* 3 D1 = Single barrel dust storage  
  D2 = Double barrel dust storage and includes a special barrel top adapter  
  A = Airlock dust storage  
  H = Hopper dust storage
* 4 These dimensions will vary with the size of the support stand, which is supplied by others, and the dust container. See note 2.
* 5 The weights of the Cyclone with “Drum” style dust storage are complete (except for drum and collected dust). The weights of the Cyclone with “Hopper” and “Airlock” style dust storage do not include the weight of the support stand (the support stand for the Cyclone with airlock or hopper option is supplied by others) or the weights of the dust container and dust.

Nomenclature

- **Body Diameter**
- **Motor HP**
- **Single Barrel Dust Storage** (does not include barrels, which are an optional add)
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