Clearing the Air for a CLEANER ENVIRONMENT

Our Mission: To help our customers achieve peak production by providing exceptional service, products and expertise in air pollution control.
U.S. Air Filtration was established in 1987 to serve the needs of industries requiring air pollution control systems. We aim to meet and exceed United States EPA standards for air quality. Over the years, we have worked on projects ranging from $20,000 to over $3 million. Our Founder, Engineering and Sales personnel have been active in the industry with over 30 years experience.

Our Mission

To create value for our customers by providing exceptional service, products and expertise in air pollution.

Our Values

Our values are the foundation of our actions as leaders, colleagues, employees and citizens. At U.S. Air Filtration, our values incorporate our conduct towards our customers, our suppliers, our fellow employees, and the general public.

- Customer Focus
- Respect
- Teamwork
- Citizenship
- Integrity
USAF baghouses are self contained, full automated, and can be modularized where needed. We also supply and install rotary valves, screw conveyors, sealed drums, bulk bag discharges, discharge lids, bin vents, air operated pneumatic transfer systems, access platforms, ventilation and instrumentation, and all related ducting. Bag houses are engineered for dusts that are sub micron and larger, in the following applications:

- Woodworking
- Material handling
- Metals fabrication: grinding, sawing, sanding, polishing
- Mixing and blending options
- Glass plants
- Universities
- Powder processing
- Primary metals, including steel-making
- Papermaking
- Ceramics manufacturing
- Mining
- Foundaries
- Battery plants
### U.S. Air Power Pulse Model PTHHHI 96-6
**Pulse • Top Access • High Header • High Inlet**

<table>
<thead>
<tr>
<th>6 x 96&quot; Filters</th>
<th>Filter</th>
<th>Air to Cloth Ratio / CFM</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MODEL</td>
<td>Qty</td>
<td>Area</td>
<td>4:1</td>
</tr>
<tr>
<td></td>
<td>68-PTHHHI 96-6</td>
<td>48</td>
<td>603</td>
<td>2413</td>
</tr>
<tr>
<td></td>
<td>79-PTHHHI 96-6</td>
<td>63</td>
<td>792</td>
<td>3168</td>
</tr>
<tr>
<td></td>
<td>810-PTHHHI 96-6</td>
<td>80</td>
<td>1006</td>
<td>4002</td>
</tr>
<tr>
<td></td>
<td>911-PTHHHI 96-6</td>
<td>99</td>
<td>1244</td>
<td>4978</td>
</tr>
<tr>
<td></td>
<td>1012-PTHHHI 96-6</td>
<td>120</td>
<td>1508</td>
<td>6034</td>
</tr>
<tr>
<td></td>
<td>1113-PTHHHI 96-6</td>
<td>143</td>
<td>1798</td>
<td>7190</td>
</tr>
<tr>
<td></td>
<td>1214-PTHHHI 96-6</td>
<td>168</td>
<td>2112</td>
<td>8447</td>
</tr>
<tr>
<td></td>
<td>1315-PTHHHI 96-6</td>
<td>195</td>
<td>2451</td>
<td>9805</td>
</tr>
</tbody>
</table>

### U.S. Air Power Pulse Model PTHHHI 120-6
**Pulse • Top Access • High Header • High Inlet**

<table>
<thead>
<tr>
<th>6 x 120&quot; Filters</th>
<th>Filter</th>
<th>Air to Cloth Ratio / CFM</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MODEL</td>
<td>Qty</td>
<td>Area</td>
<td>4:1</td>
</tr>
<tr>
<td></td>
<td>68-PTHHHI 120-6</td>
<td>48</td>
<td>754</td>
<td>3014</td>
</tr>
<tr>
<td></td>
<td>79-PTHHHI 120-6</td>
<td>63</td>
<td>989</td>
<td>3956</td>
</tr>
<tr>
<td></td>
<td>810-PTHHHI 120-6</td>
<td>80</td>
<td>1256</td>
<td>5024</td>
</tr>
<tr>
<td></td>
<td>911-PTHHHI 120-6</td>
<td>99</td>
<td>1554</td>
<td>6217</td>
</tr>
<tr>
<td></td>
<td>1012-PTHHHI 120-6</td>
<td>120</td>
<td>1884</td>
<td>7536</td>
</tr>
<tr>
<td></td>
<td>1113-PTHHHI 120-6</td>
<td>143</td>
<td>2245</td>
<td>8980</td>
</tr>
<tr>
<td></td>
<td>1214-PTHHHI 120-6</td>
<td>168</td>
<td>2638</td>
<td>10550</td>
</tr>
<tr>
<td></td>
<td>1315-PTHHHI 120-6</td>
<td>195</td>
<td>3062</td>
<td>12246</td>
</tr>
</tbody>
</table>

### U.S. Air Power Pulse Model PTHHHI 144-6
**Pulse • Top Access • High Header • High Inlet**

<table>
<thead>
<tr>
<th>6 x 144&quot; Filters</th>
<th>Filter</th>
<th>Air to Cloth Ratio / CFM</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MODEL</td>
<td>Qty</td>
<td>Area</td>
<td>4:1</td>
</tr>
<tr>
<td></td>
<td>68-PTHHHI 120-6</td>
<td>48</td>
<td>904</td>
<td>3617</td>
</tr>
<tr>
<td></td>
<td>79-PTHHHI 120-6</td>
<td>63</td>
<td>1187</td>
<td>4748</td>
</tr>
<tr>
<td></td>
<td>810-PTHHHI 120-6</td>
<td>80</td>
<td>1507</td>
<td>6029</td>
</tr>
<tr>
<td></td>
<td>911-PTHHHI 120-6</td>
<td>99</td>
<td>1865</td>
<td>7461</td>
</tr>
<tr>
<td></td>
<td>1012-PTHHHI 120-6</td>
<td>120</td>
<td>2261</td>
<td>9043</td>
</tr>
<tr>
<td></td>
<td>1113-PTHHHI 120-6</td>
<td>143</td>
<td>2694</td>
<td>10776</td>
</tr>
<tr>
<td></td>
<td>1214-PTHHHI 120-6</td>
<td>168</td>
<td>3165</td>
<td>12660</td>
</tr>
<tr>
<td></td>
<td>1315-PTHHHI 120-6</td>
<td>195</td>
<td>3674</td>
<td>14695</td>
</tr>
</tbody>
</table>
The U.S. CleanFlo cartridge dust collector provides economical, reliable, high efficiency filtration in a compact size. Quality construction and simple design ensure long-term, trouble-free operation, superb fit and finish.

**Standard Features**

- Cartridges are quickly and easily serviced from outside the collector; no confined space entry permit, respirator, etc. needed.
- Modular panelized design allows easy capacity increases. Multiple units share common hoppers and minimize clean air ducting.
- Compact design saves space and is adaptable to height and footprint restrictions.

**Variety of Filter Media**

A wide variety of media and constructions are available, including:

- Cellulose/polyester blend (standard)
- Nano fiber technology
- Spunbond polyester
- Aluminized spunbond
- Spunbond w/PTFE
- Aramid

Cartridges are market standard size (13.84" dia. X 26" long), containing 254 ft² of media area for most media and applications.
USAF cartridge collectors are suitable for many applications from fumes and nuisance dust to product recovery. Typical markets served include:

- Industrial Processing
- Metalworking
- Pharmaceutical
- Woodworking
- Powder Paint (ES paint)
- Laser & Plasma Cutting
- Gas Turbine
- Food
- Cement
- Shot Black
- Carbon Black
- Fumes
- Foundry
- Welding, etc.

### Standard Features

- Mild steel all-welded construction with all surfaces primer coated and acrylic finish exterior.
- Ledge-free 60° hopper
- Damper pack
- Cellulose/polyester blend 80/20 cartridges
- Limited 10-year housing warranty
- Timer with enclosure

### Applications

- Industrial Processing
- Metalworking
- Pharmaceutical
- Woodworking
- Powder Paint (ES paint)
- Laser & Plasma Cutting
- Gas Turbine
- Food
- Cement
- Shot Black
- Carbon Black
- Fumes
- Foundry
- Welding, etc.

### Options

- Stainless steel construction
- High temperature construction
- Direct drive fans
- Silencers
- Abrasion resistant inlet
- Air management modules
- Extended dirty air plenum
- 5 Step sloped hopper
- 2-Module hopper
- Explosion vents
- Sprinkler system
- Service platform & ladder
- Lined clear air plenum / silencing foam
- Bag-in bag-out construction
- HEPA after filter
- Custom color/coatings
- Rotary valves / screw conveyors
- Slide gates & drum cover
- Indoor / outdoor
- Solenoid enclosure (NEMA 7.9)
- Epoxy paint
- Increased & reduced leg height

### Product Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>FILTER AREA</th>
<th># CARTRIDGES</th>
<th>AIRFLOW RANGE</th>
<th># INLETS</th>
<th># HOPPERS</th>
<th># VALVES</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>12 Ga. WGHT</th>
<th>10 Ga. WGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1DCP-2</td>
<td>508</td>
<td>2</td>
<td>250 - 1,600</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>114</td>
<td>40</td>
<td>52</td>
<td>905</td>
<td>1,095</td>
</tr>
<tr>
<td>2DCP-4</td>
<td>1,016</td>
<td>4</td>
<td>500 - 3,200</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>132</td>
<td>40</td>
<td>52</td>
<td>1,005</td>
<td>1,225</td>
</tr>
<tr>
<td>2DCP-8</td>
<td>2,032</td>
<td>8</td>
<td>1,500 - 6,350</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>142</td>
<td>40</td>
<td>78</td>
<td>1,585</td>
<td>1,930</td>
</tr>
<tr>
<td>2DCP-12</td>
<td>3,048</td>
<td>12</td>
<td>1,500 - 9,500</td>
<td>1</td>
<td>1</td>
<td>6</td>
<td>150</td>
<td>60</td>
<td>78</td>
<td>2,410</td>
<td>2,930</td>
</tr>
<tr>
<td>2DCP-24</td>
<td>6,096</td>
<td>24</td>
<td>4,000 - 18,950</td>
<td>3</td>
<td>3</td>
<td>12</td>
<td>142</td>
<td>120</td>
<td>78</td>
<td>4,300</td>
<td>5,220</td>
</tr>
<tr>
<td>3DCP-6</td>
<td>1,524</td>
<td>6</td>
<td>800 - 4,750</td>
<td>1</td>
<td>1</td>
<td>6</td>
<td>150</td>
<td>40</td>
<td>52</td>
<td>1,105</td>
<td>1,355</td>
</tr>
<tr>
<td>3DCP-12</td>
<td>3,048</td>
<td>12</td>
<td>1,550 - 9,500</td>
<td>1</td>
<td>1</td>
<td>6</td>
<td>160</td>
<td>40</td>
<td>78</td>
<td>1,855</td>
<td>2,260</td>
</tr>
<tr>
<td>3DCP-18</td>
<td>4,572</td>
<td>18</td>
<td>2,300 - 14,200</td>
<td>1</td>
<td>1</td>
<td>9</td>
<td>167</td>
<td>60</td>
<td>78</td>
<td>2,565</td>
<td>3,125</td>
</tr>
<tr>
<td>3DCP-24</td>
<td>6,096</td>
<td>24</td>
<td>3,100 - 18,950</td>
<td>2</td>
<td>2</td>
<td>12</td>
<td>160</td>
<td>80</td>
<td>78</td>
<td>2,465</td>
<td>3,005</td>
</tr>
<tr>
<td>3DCP-36</td>
<td>9,144</td>
<td>36</td>
<td>4,600 - 28,400</td>
<td>3</td>
<td>3</td>
<td>18</td>
<td>160</td>
<td>120</td>
<td>78</td>
<td>3,075</td>
<td>3,750</td>
</tr>
<tr>
<td>3DCP-48</td>
<td>12,192</td>
<td>48</td>
<td>6,150 - 37,850</td>
<td>4</td>
<td>4</td>
<td>24</td>
<td>160</td>
<td>160</td>
<td>78</td>
<td>3,685</td>
<td>4,495</td>
</tr>
<tr>
<td>3DCP-54</td>
<td>13,716</td>
<td>54</td>
<td>6,900 - 42,550</td>
<td>3</td>
<td>3</td>
<td>27</td>
<td>167</td>
<td>180</td>
<td>78</td>
<td>4,880</td>
<td>5,995</td>
</tr>
<tr>
<td>4DCP-16</td>
<td>4,064</td>
<td>16</td>
<td>2,050 - 12,650</td>
<td>1</td>
<td>1</td>
<td>8</td>
<td>178</td>
<td>40</td>
<td>78</td>
<td>2,200</td>
<td>2,700</td>
</tr>
<tr>
<td>4DCP-32</td>
<td>8,128</td>
<td>32</td>
<td>4,100 - 25,250</td>
<td>2</td>
<td>2</td>
<td>16</td>
<td>178</td>
<td>80</td>
<td>78</td>
<td>4,150</td>
<td>5,395</td>
</tr>
<tr>
<td>4DCP-48</td>
<td>12,192</td>
<td>48</td>
<td>6,150 - 37,850</td>
<td>3</td>
<td>3</td>
<td>24</td>
<td>178</td>
<td>120</td>
<td>78</td>
<td>6,105</td>
<td>7,005</td>
</tr>
<tr>
<td>4DCP-64</td>
<td>16,256</td>
<td>64</td>
<td>8,150 - 50,400</td>
<td>4</td>
<td>4</td>
<td>32</td>
<td>178</td>
<td>160</td>
<td>78</td>
<td>8,050</td>
<td>7,495</td>
</tr>
<tr>
<td>4DCP-80</td>
<td>20,320</td>
<td>80</td>
<td>10,200 - 63,000</td>
<td>5</td>
<td>5</td>
<td>40</td>
<td>178</td>
<td>200</td>
<td>78</td>
<td>9,995</td>
<td>9,605</td>
</tr>
<tr>
<td>4DCP-96</td>
<td>24,384</td>
<td>96</td>
<td>12,200 - 75,600</td>
<td>6</td>
<td>6</td>
<td>48</td>
<td>178</td>
<td>240</td>
<td>78</td>
<td>11,705</td>
<td>12,010</td>
</tr>
</tbody>
</table>
BIN VENT
Control Systems

Individual unit sizes range from 17 to 450 square feet of fabric.

USAF bin vents feature rugged welded housings and can be furnished to handle air volumes ranging from 100 to 5,000 cubic feet per minute. Our bin vents are equipped with automatic on-line pulse-jet cleaning.

Features

• High Efficiency - filter media removes 99.99+ percent of entrained particles.

• Low Energy Requirements - Compressed air usage is minimized through precise matching of cleaning requirements and cleaning frequency.

• Low Maintenance Requirements - No moving parts inside the collector. Pulsing system can be inspected without shutting down the collector.

• Quick Installation - Welded housing is shipped ready to install for minimum erection costs. Collector may be mounted directly to the bin or silo, or supplied with a hopper and support legs as a freestanding unit.

Control System

Bin vents are typically used to vent displaced air and harmful products in bins or silos. Our bin vent design is compact, easy to install, eliminates ductwork and reduces installation expense. Bin vents vent bins, storage silos, mixers, blenders, pneumatic conveying systems of any type, or any other device or process that must contain or control dust particles. USAF units meet the most stringent air pollution codes. The bin vent/dust filter is controlled by solid state electronics, and is self-cleaning for minimum maintenance.
At U.S. Air Filtration, when you win, our company and our employees win with you. Your success is our success.

Call us today to learn how we can help you:

888.221.0312

U.S. Air Filtration, Inc.
PROJECTS

Project 20098:
Board Sanding/Trimming

- 100,000 CFM System
- Dual Model 4515-PTHHEI-144-6 Power Pulse Baghouse

Project 14384:
Rubber Plant Cartridge Unit

- 24,000 CFM System
- Pulse Jet Cartridge Dust Collector
- Model #4DCP48-26-13.8

Project 17360:
Foundry

- 150,000 CFM System
- (2) Model 6515-WPT-120-6 Power Pulse Baghouse

For additional projects and case studies visit our website at:
www.usairfiltration.com