Controlling Volatile Dust

Safety
Safe collection of aluminum, titanium, and other potentially hazardous dust, as well as heavy sparking applications, meeting or exceeding OSHA and NFPA regulations for dust removal inside the building.*

High Capture Velocity
With a minimum of 300 FPM in the working zone, the optional Regain Air System increases the velocity up to 800 FPM.

Custom Sizing to Fit the Operation
Whether single- or multi-operation, the Hydrotron HPB is built to the width, depth, and height dimensions needed for the task as well as for the available plant space.

Noise Control & Visibility
Every Hydrotron HPB is equipped with sound-attenuating insulation and dust-tight florescent lights.

*NFPA guidelines for processing and finishing of aluminum, for example, prohibit the use of dry type dust collectors within the building. In addition, NFPA 65 specifies that collectors should be cleaned at least once a day. Explosion vents may be required and there are special requirements for ductwork. If the air is returned into the building it should have a HEPA type safety filter with an alarm function. Fabric and paper media filter units and electrostatic precipitators may not be used. The preferred collector is a liquid, wet type.
**Hydrotron HPB Series**

**Wet Collector Environmental Control Booth**

![Image of a Hydrotron HPB Series booth]

**Typical Applications**
- Aircraft Manufacture / Maintenance
- Manufacture of Electrical/Electronic Enclosures
- Milling / Refining
- Chemical, Rubber, or Plastics Production
- Ceramics
- Foundries
- Sanding and Grinding
- Blasting

**Selected User List**
- General Electric
- WECO
- Clark Products
- American Airlines
- U.S. Army
- U.S. Air Force
- Dupont Corporation
- Lockheed Martin
- GKN Aerospace
- Bendix Corporation

**Containing and Filtering Aluminum, Titanium, and Other Potentially Explosive Contaminants**

**Features**
- Minimum 300 FPM Capture Velocity in the Working Zone
- TEFC Motors, Single and Three Phase
- Direct Drive/Non-overloading Fan w/ Outlet Damper
- Interior Baffle Section
- Mist Eliminator Filters
- Electronic Water Level Control With Pressure Sensor System Including a Solid State PLC
- Magnehelic Gauge
- 2" Drain
- Galvanized Steel Construction With Coal Tar Epoxy Coatings to Interior Wet Surfaces
- Enclosure Construction of 18 ga. Galvanized Carbon Steel With Sound Insulation
- Industrial Blue Enamel Finish on Exterior
- Fluorescent Lighting With Dust-Tight Lens

**Options**
- "Push/Pull" Regain Air System with Adjustable Louvers to Increase Capture Velocity 400 to 800 FPM in the Working Zone
- Stainless Steel Construction
- Overflow/Low Water Alarm Operated by PLC
- Overflow/Low Water Cut-off Operated by PLC
- Explosion Proof Motors
- HEPA Safety Filters With Visible and/or Audible Alarms
- Width, Depth, and Height of Enclosure
- Slotted Roofs for Crane Loading of Parts
- Auxiliary Switches

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**Hydrotron HPB Series**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CFM</th>
<th>Blower</th>
<th>Dimensions*</th>
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<tbody>
<tr>
<td>HPB6-1-1x10</td>
<td>5,500</td>
<td>10</td>
<td>7.5' x 6' x 154&quot;</td>
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<tr>
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*Larger/Custom Sizing Available: Consult Factory

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FILTER 1

2525 National Dr.
Garland, TX 75041
972-278-2664

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*Filter 1 has a policy of continuous design improvement and reserves the right to update designs and specifications without notice.*