Productivity is in the air.
And We're Making Sure It's Clean.

Air Cleaners: Rugged, Reliable, Proven.

Let us use our years of air cleaning experience to help solve your industrial indoor air quality problems and improve your plant's productivity and profitability.

We use proven technologies and a comprehensive range of equipment to handle harmful airborne industrial contaminants, such as, welding smoke, coolant mist, grinding dust, laser and plasma cutting smoke, carbon dust, and gaseous contaminants. Our industrial air cleaning equipment is easily user-installed and is available for general background air cleaning or for source capture applications (portable, ducted, and machine tool-mounted).

Solidly built for heavy industrial use, our air cleaning equipment is tough, reliable, and easy to maintain. For solutions to employee exposure to smoke, fumes, dust and mist call us today!
Happy Employees Are Prod

INVESTING IN CLEAN AIR IS SIMPLY BETTER BUSINESS

Our equipment installs easily and quickly pays for itself. Our filtration systems can save you money, improve your business AND help you generate a stronger bottom line. Let our years of experience in air quality control enhance your profit picture.

- Attract and Keep Valuable Employees
- Protect Worker's Health and Increase Productivity
- Reduce Worker's Compensation Costs
- Reduce Civil Liabilities
- Reduce Regulatory Liabilities
- Maximize Equipment Life
- Save Money on Heating / Cooling

YOUR CHOICE OF COST-EFFECTIVE TECHNOLOGIES

Electronic Air Cleaning

The state-of-the-art two stage electrostatic precipitators in our electronic air cleaning equipment. Electronic air cleaners are ideal for removing extremely small smoke, mist and dust particles from the air. These are removed from the air by charging the particles and then passing them through a collector section. Airflow capacity range from 500-12,000 CFM. Advantages of electronic air cleaners include:

- Ideal for fine particulates, such as, smoke and coolant mist.
- Low airflow resistance compared to media filters.
- Precipitators do not restrict airflow when dirty.
- Low airflow resistance results in quieter and more efficient air cleaning.
- Periodic filter replacement not required.

Other Models & Configurations Available, Complete Specifications Available Upon Request.
CONTAMINANT CAPTURE TECHNIQUES

Air cleaning systems are available for almost any application including:

General Background
General background (or "ambient") capture utilizes one or more air cleaners positioned within a facility to clean and re-circulate the overall ambient plant air. While source capture is often recommended, there are often factors which make ambient air cleaning the most practical choice. Our F62B Coanda Airflow unit is uniquely suitable for these applications.

Source Capture: Portable & Overhead Systems
Source capture excels when contaminants are particularly toxic or noxious. Source capture removes the contaminants from the air before they reach the workers' breathing zone. This approach greatly reduces the probability of adverse health effects. Our portable source capture systems offer the maximum air cleaning capability with a minimum of floor space. Our overhead source capture systems mount up out of the way and use no floor space. All of our source capture systems offer literally dozens of combinations of air cleaning technologies and fan horsepower enabling us to meet your precise air cleaning requirements.

Media Filtration Air Cleaning

Media filtration removes airborne particulate contaminants by interception, impaction or impingement. Optimum filtration and filter life can be achieved by matching the fiber size, spacing, material and filter construction to meet capture, cleaning and airflow requirements specific to your application. Airflow capacity range from 200-12,000 CFM. Advantages of media filtration include:

- Disposable filters are inexpensive and easy to replace.
- Can be used in conjunction with sorbents for control of odors and gaseous contaminants.
- Ideal for large particulate (e.g., grinding dust).

Approaches to media air cleaning include:
- Cube Filters
- Extended Service Filters
- Cartridge Filters
- Multiple Pocket Bag Filters
- HEPA Filters
- Sorbent Bed Technology (For control of gaseous contaminants, VOC's & odors)
Common applications of these cost-effective systems include:
- Multiple Robotic Stations
- Multiple Grinders
- Multiple Welding Stations

**Source Capture: Ducted Systems**
When working with multiple high-production machines, an air cleaning system that uses ductwork to connect the production equipment to a large air cleaner is the most economical solution. Large air cleaners offer more fan horsepower and more air cleaning per dollar. This translates into savings in terms of both acquisition and operation.

**Source Capture: Single Units**
Designed specifically for use with EDM's and enclosed CNC's, our MistBuster, M33, M32 and F33 are ideal for use with one or two items of production equipment. Compact enough to bolt right to the top or side of the CNC enclosure, these air cleaners are inexpensive to own and operate. These air cleaners are the perfect solution for the shop with just one or two machines that create most of the industrial air contaminants.

**Cartridge Filtration-Reverse Pulse Cleaning**
Cartridge filtration equipment is ideal for processes that generate very large quantities of fine dry particulate. Typical applications include laser cutting, plasma cutting, sanding, grinding and welding. As the filters load up with contaminants, the reverse-pulse cleaning system automatically cleans the cartridges. Since this self-cleaning process takes place while the air cleaner is in operation, there is no slow-down in production to change filters. This is especially critical in high production processes where time is expensive. Airflow capacity range from 1100-6600 CFM.
Our full line of interchangeable air cleaning modules, blowers and accessories allows us to economically tailor equipment to match your specific requirements. In addition, modular construction allows easy adaptation of existing air cleaning units to changing production circumstances.

For further information:

BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com

Manufacturer has a policy of continuing product improvement and reserves the right to make changes in design and specification without notice.
**MistBuster® 500**

*HIGH EFFICIENCY MIST & SMOKE COLLECTOR*

![MistBuster® Machine Mounted To Swiss Lathe](image)

**Mistbuster Patented Technology Offers:**

- **Clean Air** – Eliminates the haze associated with most metalworking operations.
- **Reduced Mist Exposure** – Captures and cleans mist and smoke at the source.
- **Safety** – Reduces the risk of accidents caused by slippery surfaces.
- **Machine Fluid Savings** – The MistBuster® collects and returns the machine fluid to your machine rather than venting it to the atmosphere.
- **Cleaning Cost Savings** – Uncontrolled machine fluid mist will soil machinery, floors and ceilings.
- **High Efficiency Mist and Smoke Removal** – Independent laboratory tests confirm up to 97% efficiency.
- **Low Operating Costs** – The MistBuster® requires less than 230 watts of power to operate.
- **Low Maintenance Costs** – The MistBuster® 500 has no media filters to replace, ever!
- **Easy Installation** – The MistBuster® can be mounted directly to the machine tool, pedestal, wall or ceiling.
- **Superior Design** – Eliminates maintenance and rebuilding costs associated with out-of-balance centrifugal drums. (MistBuster® has one moving part.)

The new MistBuster® 500 is a self-contained mist removal system designed to capture mist and smoke from metalworking applications in industry. The MistBuster® can be direct mounted to machine tools or ducted using optional plenum and flex hose. The MistBuster® is the superior alternative to conventional centrifugal and media-type systems.

For further information:

**BERRIMAN ASSOCIATES**
1-800-480-3630
www.berriman.com
**MistBuster® FEATURES & SPECIFICATIONS**

**Principles of Operation:**
Polluted air is drawn through the first stage mechanical mist impingers. These impingers are designed to remove the larger mist droplets and particles. The remaining sub-micron mist droplets and particles are removed in the second stage through the process of electrostatic precipitation (ESP). The ESP provides an intense electrical charge on the remaining contaminants through the ionizing field. The collection cell, which works much like a magnet, attracts and removes the charged mist droplets from the airstream. To optimize efficiency, an aluminum post filter entraps particles, which may have been agglomerated on the cell plates. Clean air is then returned to the room.

**ADDITIONAL FEATURES:**
- 3 year parts warranty.
- Motor starter and control circuitry.
- Infinitely variable motor speed controller.

**OPTIONAL ACCESSORIES:**
- Double pass module.
- Source capture plenum.
- Final stage, HEPA or ESP postfilter.
- Pedestal mounting kit.
- Wall mounting kit.
- Optional remote variable speed controller.
- Machine mount stand.
- Ceiling mount kit.

**SPECIFICATIONS:**
- **DIMENSIONS:** Cabinet 26" L x 13" W x 18" H
- **INLET OPENING:** 16.62" x 9.08"
- **WEIGHT:** 71 lbs. installed weight
- 82 lbs. shipping weight Ships UPS!
- **CABINET:** 10 gauge steel cabinet with a chemical resistant baked enamel, ivory texture finish
- **AIRFLOW:** 50-500 cfm @ 0.6" wg top discharge
- **EFFICIENCY:** Up to 97% efficiency per ASHRAE 52.1
- **FILTRATION:**
  - 1st Stage: 4" thick aluminum mist impingers.
  - 2nd Stage: ESP Cell—Minimum voltage gradient is 20,000 volts per inch
  - 3rd Stage: 1" thick aluminum mesh
  - 4th Stage: Optional HEPA filter 99.97% efficient or ESF filter.
- **POWER SUPPLY:** Self-regulating, dual voltage solid-state power supply.
- **MOTORIZED IMPELLER:** Backward curved, vibration-free, direct drive rated at 710 cfm @ 0" wg.
- **POWER:**
  - 115 Vac, 60 Hz, 2 amps
  - 230 Vac, 60 Hz, 1 amp
- **POWER CORD:** Ten-foot power cord with standard molded plug.
- **SOUND LEVELS:**
  - 74 dBA @ 3'
  - 70 dBA @ 6'

Optional double pass module increases holding capacity and overall efficiency. Unit comes with collection cell, power supply, and drain system. (Not to Impingers included with MistBuster only.)

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For further information:

**BERRIMAN ASSOCIATES**
1-800-480-3630
www.berriman.com

*Manufacturer has a policy of continuing product improvement, and reserves the right to make changes in design and specification without notice.*
Patented MistBuster® Technology in a New Double Pass Design

- **Double Pass** - Increased efficiency for tough applications
- **Optimally Sized** - for large or semi-enclosed machining centers.
- **Large Capacity** - Handles multiple conventionally sized machining centers.
- **Clean Air** - Eliminates the haze associated with most metal working operations.
- **Reduced Mist Exposure** - Captures and cleans mist and smoke at the source.
- **Safety** - Reduces the risk of accidents caused by slippery surfaces.
- **Machine Fluid Savings** - The MistBuster® collects and returns the machine fluid to your machine rather than venting it to the atmosphere.
- **Cleaning Cost Savings** - Uncontrolled machine fluid mist will soil machinery, floors and ceilings.
- **High Efficiency Mist and Smoke Removal** - Independent laboratory tests confirm up to 99.9% efficiency.
- **Low Operating Costs** - The MistBuster® requires less than 430 watts of power to operate.
- **Low Maintenance Costs** - The MistBuster® has no media filters to replace, ever!
- **Easy Installation** - The MistBuster® can be mounted directly to the machine tool, pedestal, wall or ceiling.
- **Superior Design** - Eliminates maintenance and rebuilding costs associated with out-of-balance centrifugal drums. (MistBuster® has one moving part.)

*Self-contained mist removal system captures mist & smoke from industrial metalworking applications. Direct-mounted or ducted installation. Superior to conventional centrifugal and media-type systems.*

For further information:

BERRIMAN ASSOCIATES  
1-800-480-3630  
www.berriman.com
**Principles of Operation:**

Polluted air is drawn through the first stage mechanical mist impingers. These impingers are designed to remove the larger mist droplets and particles. The remaining sub-micron mist droplets and particles are removed in the second stage through the process of electrostatic precipitation (ESP). The ESP provides an intense electrical charge on the remaining contaminants through the ionizing field. Two primary collection cells, placed side-by-side, work much like magnets attracting and removing charged mist droplets from the airstream. A third stage, also comprised of electrostatic cells, collects any fine mist particles that may have migrated through, increasing the overall efficiency up to 99.9%! Aluminum post-filters entrapping particles, which may have been agglomerated on the cell plates. **Clean air is then returned to the room.**

**ADDITIONAL FEATURES:**
- 3-year parts warranty
- Control circuitry included (no need for motor starter)
- Infinitely variable motor speed controller
- Selector switches for synthetic, water or oil based coolant
- 2 power supplies, one for each ESP stage, assures highest efficiency

**OPTIONAL ACCESSORIES:**
- Source capture plenum
- Machine mount stand
- Ceiling mount kit
- Pedestal stand
- Wall mounting kit
- Optional remote variable speed controller
- Machine specific mounting kits available

**SPECIFICATIONS:**

**DIMENSIONS:** 26" W x 33" H x 26.4" D

**INLET OPENING:** 16" x 20.75"

**WEIGHT:** 203 lbs. Installed weight
240 lbs. Shipping weight

**AIRFLOW:** 60-1250 cfm

**EFFICIENCY:** Up to 99.9% efficiency per ASHRAE 62.2

**SECOND/THIRD STAGES**

**FILTRATION:** Electrostatic Precipitator has 212 sq. ft. of surface area. Minimum voltage gradient is 20,000 volts per inch.

**FIRST STAGE**

**IMPINGEMENT:** 4" thick mist impingers

**POSTFILTER:** 2" thick aluminum mesh

**POWER SUPPLY:** Self-regulating, dual voltage solid-state power supplies.

**MOTORIZED IMPPELLER:** Backward curved, vibration-free, direct drive 430 watt rated at 1810 cfm @ 0" wg.

**POWER:**
- 115 Vac, 60 Hz, 4 amps
- 230 Vac, 60 Hz, 2 amps

**CABINET:** 16-gauge steel cabinet

**POWER CORD:** Ten-foot power cord with standard molded plug.

**SOUND LEVELS:**
- 69 dB(A) @ 3'
- 68 dB(A) @ 6'

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For further information:

**BERRIMAN ASSOCIATES**

1-800-480-3630

www.berriman.com
MODEL F33V
Portable Electronic Air Cleaner

The F33V is a self-contained electronic air cleaning system designed for source capture applications where mobility is desired. The F33V effectively captures welding smoke, coolant mist and other air borne contaminants at a rate of 1250 cubic feet of air per minute.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
F33V FEATURES & SPECIFICATIONS

DIMENSIONS: 40 1/4"L x 20 3/8"W x 58"H

WEIGHT: 270 lbs. installed weight
320 lbs. shipping weight


POWER INPUT:

<table>
<thead>
<tr>
<th>Model</th>
<th>Vac</th>
<th>Hz</th>
<th>Phase</th>
<th>Amps</th>
<th>Watts</th>
</tr>
</thead>
<tbody>
<tr>
<td>F33V1003</td>
<td>120</td>
<td>60</td>
<td>1</td>
<td>12</td>
<td>1100</td>
</tr>
<tr>
<td>F33V1011</td>
<td>208 - 240</td>
<td>60</td>
<td>1</td>
<td>6.6 - 6</td>
<td>1100</td>
</tr>
</tbody>
</table>

MOTOR: 1 HP sealed ball bearing motor.

BLOWER: Forward curved, ball bearing, belt driven centrifugal blower. This blower is capable of moving 2250 cfm of free air.

DIAGNOSTICS: Test button to ensure collector operation. System lamp to monitor performance.

MECHANICAL ARM: 10° externally supported arm swings 180° on its axis and reaches from floor to 11' high. Once this arm is positioned, the hood and hose remain in place until moved.

HOSE: 8" diameter EPDM rubber hose with an enclosed wire helix. This hose is 10' long.

SOUND LEVELS: 68 dBA at 9'
67 dBA at 15'

CAPACITY: 1,250 cfm

POWER SUPPLY: Self-regulating solid state dual voltage, industrial rated.

POWER CORD: 10' power cord with standard molded plug included on all single phase models.

ELECTRONIC CELL: Collection area of 109 square feet with a minimum voltage gradient of 20,000 volts per inch. Standard with one 33 lb. cell.

OPTIONAL ACCESSORIES:

- Halogen lighted hood.
- 1 1/2 HP motor upgrade.
- Media pad prefilters.
- Cell cleaner concentrate.
- Cell wash container.
- Cell coat.

STANDARD FEATURES:

- Heavy duty electronic cell.
- One externally supported 10' arm with 8" diameter flexible hose with hood.
- One HP motor with thermal overload protection.
- 1" aluminum mesh pre/post filter.
- 36 month parts warranty.

---

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
ELIMINATING RESTAURANT KITCHEN EXHAUST CONCERNS

AUTOCLEAN F61 A, B, C

The Autoclean F61 electronic air cleaner removes restaurant kitchen exhaust smoke. Optional Carbon Filter will remove odors. The air cleaner is mounted in-line with the kitchen exhaust hood either in the building or outdoors with a protective housing.

Premier multi-jet wash system rotates and traverses cleaning the electronic cells at a programmed time!

The F61 electronic air cleaner provides the ultimate in owner convenience with a programmable self-wash cycle yielding less maintenance time. Modular design allows for stackable units to handle up to 50,000 cfm. Electronic cells operated by high voltage power supplies, remove airborne contaminants at efficiencies as high as 99 percent.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Dimensions in inches</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Weight (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F61 A</td>
<td>42</td>
<td>33</td>
<td>21</td>
<td>22</td>
<td>240</td>
</tr>
<tr>
<td>F61 B</td>
<td>42</td>
<td>57</td>
<td>21</td>
<td>46</td>
<td>340</td>
</tr>
<tr>
<td>F61 C</td>
<td>76</td>
<td>57</td>
<td>42</td>
<td>46</td>
<td>530</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cubic Feet per Minute</th>
<th>Efficiency</th>
<th>Pressure Drop (inches water)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F61 A</td>
<td>F61 B</td>
<td>F61 C</td>
</tr>
<tr>
<td>1000</td>
<td>2000</td>
<td>4000</td>
</tr>
<tr>
<td>1500</td>
<td>3000</td>
<td>6000</td>
</tr>
<tr>
<td>2000</td>
<td>4000</td>
<td>8000</td>
</tr>
<tr>
<td>2500</td>
<td>5000</td>
<td>10000</td>
</tr>
<tr>
<td>3000</td>
<td>6000</td>
<td>12000</td>
</tr>
</tbody>
</table>

Efficiency ratings based on National Bureau of Standards Dust Spot Method and ASHRAE Standard 52-76 using atmospheric dust.

For further information:

BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com

Manufacturer has a policy of continuing product improvement and reserves the right to make changes in design and specification without notice.
MODEL F62B
Electronic Air Cleaner
With Coanda Airflow

Featuring the unique Coanda airflow pattern, the F62B takes advantage of hot process dynamics – the natural tendency of particles to rise along with the heat created by industrial processes. Polluted indoor air naturally enters the bottom of the air cleaner, and clean air recirculates in all four directions back to the work area. Each F62B creates its own airflow, minimizing sizing and placement problems. This coanda unit can be positioned directly above the source of the contaminant to capture pollutants before they have a chance to disperse.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
F62B FEATURES & SPECIFICATIONS

DIMENSIONS: 29 1/4" W x 31" H x 31 1/4" D
AIR FLOW: Low: 1900 cfm
Medium: 2200 cfm
High: 2500 cfm
EFFICIENCY: Up to 95% based on ASHRAE 52-76 test method.
WEIGHT: 225 lbs. installed
280 lbs. shipping
ELECTRONIC CELL: 2 included providing surface area of 218 sq. ft. (31,392 sq. in.).
Minimum voltage gradient is 20,000 volts per inch, 33 lbs. each.
PREFILTER/POSTFILTER: 1 in. multi-layered aluminum mesh.
POWER SUPPLY: Self-regulating, dual voltage, industrial-rated power supply is housed in a sealed, replaceable module for easy service.
DIAGNOSTICS: Test button to ensure collector operation. System lamp to monitor performance.
MOTOR: 1/3 hp – Permanent Split Capacitor for efficiency. Ball Bearing and thermally protected for long life.
CABINET: 16 gauge steel frame with textured enamel finish.
EXHAUST LOUVRES: 4-way adjustable.

SOUND LEVELS:

<table>
<thead>
<tr>
<th>DISTANCE</th>
<th>LOW</th>
<th>MEDIUM</th>
<th>HIGH</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 feet</td>
<td>&lt;60 dBA</td>
<td>60 dBA</td>
<td>69 dBA</td>
</tr>
<tr>
<td>15 feet</td>
<td>&lt;60 dBA</td>
<td>&lt;60 dBA</td>
<td>67 dBA</td>
</tr>
</tbody>
</table>

POWER INPUT RATINGS:

<table>
<thead>
<tr>
<th>ONE PHASE MODELS</th>
<th>HIGH</th>
<th>MEDIUM</th>
<th>LOW</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 Vac, 60 Hz</td>
<td>8.7 amps</td>
<td>4.0 amps</td>
<td>3.0 amps</td>
</tr>
<tr>
<td>208-240 Vac, 60 Hz</td>
<td>3.9 amps</td>
<td>3.0 amps</td>
<td>2.6 amps</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>THREE PHASE MODELS</th>
<th>HIGH</th>
</tr>
</thead>
<tbody>
<tr>
<td>230/240 Vac, 60 Hz</td>
<td>3.4 amps</td>
</tr>
<tr>
<td>440-480 Vac, 60 Hz</td>
<td>1.7 amps</td>
</tr>
</tbody>
</table>

ADDITIONAL FEATURES:
- 3 year parts warranty.
- 4-way adjustable discharge louvers.
- Motor starter and control circuitry.
- Maintenance free direct drive fan and motor.
- ETL safety listing.

OPTIONS INCLUDE:
- Intake hood.
- Remote control switch.
- Media prefilter pad and frame.
- Drain pan - captures oil mist.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
MODEL F66

Electronic Air Cleaner

The F66 is a self-contained electronic air cleaning system designed for general background cleaning or ducted for source capture applications. The F66 efficiently captures a broad range of airborne contaminants including smoke, fumes, soot, light dusts and coolant mists at a rate of up to 2,600 cfm, with no costly filter replacement.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
**F66 FEATURES & SPECIFICATIONS**

**SPECIFICATIONS**

- **DIMENSIONS:** 41" L x 27.5" W x 25.5" H
- **WEIGHT:** 278 lbs. installed 325 lbs. shipping
- **AIR FLOW:** Maximum 2,600 cfm
- **EFFICIENCY:** Up to 95% based on ASHRAE 52-75 test method.
- **POWER INPUT:**
<table>
<thead>
<tr>
<th>VOLTAGE</th>
<th>PHASE</th>
<th>1 HP AMPS</th>
<th>2 HP AMPS</th>
<th>3 HP AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-120</td>
<td>1</td>
<td>12</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>208-240</td>
<td>1</td>
<td>6.6</td>
<td>9</td>
<td>NA</td>
</tr>
<tr>
<td>208-240</td>
<td>3</td>
<td>3.8</td>
<td>7</td>
<td>9</td>
</tr>
<tr>
<td>440-480</td>
<td>3</td>
<td>15</td>
<td>3.5</td>
<td>4.4</td>
</tr>
</tbody>
</table>

- **ELECTRONIC CELL:** 2 included providing 218 sq. feet of surface area. Minimum voltage gradient is 20,000 volts per inch. Cell weight is 33 lbs. each.
- **PREFILTER/POSTFILTER:** 1" multi-layered aluminum mesh.
- **POWER SUPPLY:** Self-regulating, dual voltage, industrial-rated power supply.
- **DIAGNOSTICS:** Test button to ensure collector operation and system lamp to monitor performance.
- **MOTOR:** 1 hp maintenance free motor. Adjustable motor sheave allows for field airflow adjustment.
- **BLOWER:** Forward curved, ball bearing, belt driven centrifugal blower. This blower is capable of moving 6400 cfm free air.
- **CABINET:** 16 gauge curved, ball bearing, belt driven centrifugal blower. Cabinet is coated with baked enamel textured coated finish.
- **POWER CORD:** Ten foot welded steel cabinet with baked enamel textured coated finish.
- **SOUND LEVELS:** 73.5 dBA at 9 feet. 70 dBA at 15 feet.

**OPTIONAL ACCESSORIES**

- 2 and 3 hp motor upgrade.
- High static fans.
- Source capture plenum.
- Drain kit.
- Impinger assembly.
- Media prefilter pad and frame.
- Source capture arm(s).
- Double pass electronic cells.
- Cell cleaner.
- Cell coat.

**ADDITIONAL FEATURES**

- 3 year parts warranty.
- Motor starter and control circuitry.
- 4-way adjustable louvres.
- Mounting bracket.

---

For further information:

**BERRIMAN ASSOCIATES**

1-800-480-3630
www.berriman.com
The F33 is a self-contained electronic air cleaning system designed for general background cleaning or ducted for source capture applications. The F33 efficiently captures a broad range of airborne contaminants including smoke, fumes, soot, light dusts and coolant mists at a rate of up to 1250 cfm, with no costly filter replacement.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
F33 FEATURES & SPECIFICATIONS

SPECIFICATIONS

- **DIMENSIONS:** 41"L x 14.5"W x 26.5"H
- **WEIGHT:**
  - 195 lbs. installed
  - 235 lbs. shipping
- **AIR FLOW:** Maximum 1,250 cfm
- **EFFICIENCY:** Up to 95% based on ASHRAE 52-76 test method.
- **POWER INPUT:**
  - 110-120 VAC, 80 Hz, 1 phase, 12 amps.
  - 200-240 VAC, 60 Hz, 1 phase, 6 amps.

- **ELECTRONIC CELL:** 1 included providing 109 sq. feet of surface area.
  - Minimum voltage gradient is 20,000 volts per inch.
  - Cell weight is 33 lbs.
- **PREFILTER/POSTFILTER:** 1" multi-layered aluminum mesh.
- **POWER SUPPLY:** Self-regulating, dual voltage, industrial-rated power supply.
- **DIAGNOSTICS:** Test button to ensure collector operation and system lamp to monitor performance.
- **MOTOR:** 1 hp maintenance free motor. Adjustable motor sheave allows for field airflow adjustment.
- **BLOWER:** Forward curved, ball bearing, belt driven centrifugal blower. This blower is capable of moving 2250 cfm free air.
- **CABINET:** 16 gauge welded steel cabinet with baked enamel textured coated finish.
- **POWER CORD:** Ten foot power cord with standard molded plug included on all single phase models.
- **SOUND LEVELS:**
  - 68 dBA at 9 feet.
  - 65 dBA at 15 feet.

OPTIONAL ACCESSORIES
- Source capture plenum.
- Drain kit.
- Impinger assembly.
- Media prefilter pad and frame.
- Cell cleaner.
- Cell coat.

ADDITIONAL FEATURES

- 3 year parts warranty.
- Motor starter and control circuitry.
- 4-way adjustable louvers.
- Mounting bracket.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com

*Manufacturer has a policy of continuous product improvement and reserves the right to make changes in design and specifications without notice.*
MODEL F66V

Electronic Air Cleaner

Shown with double pass and second arm options

The F66V is a self-contained electronic air cleaner designed for source capture of welding fume, mist or other particulate where portability is desired. The F66V is rated at 1850 CFM with two collection arms.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
**F66V FEATURES & SPECIFICATIONS**

**DIMENSIONS:** 57.25”H x 40.25”W x 31”L

**WEIGHT:** 395 lbs. Installed
463 lbs. Shipping weight

**CABINET:** 18-gauge welded steel cabinet with ivory enamel finish. Built in sump and drain connection for oil mist removal. Four heavy-duty swivel casters.

**POWER INPUT:**

<table>
<thead>
<tr>
<th>VOLTAGE</th>
<th>PHASE</th>
<th>1/2 HP AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-120</td>
<td>1</td>
<td>14</td>
</tr>
<tr>
<td>208-240</td>
<td>1</td>
<td>7.5</td>
</tr>
</tbody>
</table>

**MOTOR:** Heavy-duty 1 HP motor with sealed ball bearings.

**BLOWER:** Belt driven fan capable of 3000 CFM free air, with field adjustable motor sheave.

**PRE FILTER:** 1” aluminum mesh.

**ELECTRONIC CELLS:** 2 cells each with a collection area of 218 sq. ft. (31.392 sq. in.)
Minimum voltage gradient is 20,000 Volts per inch.

**POWER SUPPLY:** Self-regulating, solid state, dual voltage, industrial rated.

**SOUND LEVELS:** Max 69 dBA at 15 ft, 71 dBA at 9 ft.

**STANDARD FEATURES:**
- Two electronic cells
- One externally supported 10’ arm with 8” diameter flexible hose with hood
- Quality engineering and workmanship backed by a 3-year parts warranty
- 10-foot power cord with molded plug on single phase units
- Control circuitry included

**OPTIONAL FEATURES:**
- Motor and fan upgrades
- Second arm
- Hood dampers
- Halogen work light
- Carbon afterfilter module

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For further information:
**BERRIMAN ASSOCIATES**
1-800-480-3630
www.berriman.com

Manufacturer has a policy of continuing product improvement and reserves the right to make changes in design and specification without notice.
SUPPLYING CLEAN AIR TO INDUSTRY

F72 DUCTED ELECTRONIC AIR CLEANER
DESIGNED FOR DUCTED AIR CLEANING SYSTEMS

STANDARD FEATURES

- Stacking Capacity to 36,000 CFM
- Hinged Access Door for Easy Cell Access
- Solid State, Dual Voltage Power Supply
- Industrial Electronic Cell

<table>
<thead>
<tr>
<th>WEIGHT:</th>
<th>Unit</th>
<th>Installed</th>
<th>Shipping</th>
</tr>
</thead>
<tbody>
<tr>
<td>F72A</td>
<td>150 lbs</td>
<td>185 lbs</td>
<td></td>
</tr>
<tr>
<td>F72B</td>
<td>250 lbs</td>
<td>310 lbs</td>
<td></td>
</tr>
</tbody>
</table>

CABINET: 16-gauge galvanized steel

POWER INPUT:
100-120 VAC, 50/60, HZ, F72A 1003
200-240 VAC, 50/60, HZ, F72A 1011
100-120 VAC, 50/60, HZ, F72B 1003
200-240 VAC, 50/60, HZ, F72B 1011
Nominal watts 50, Max. watts 100

POWER SUPPLY: Solid state, dual voltage and self regulating. Nominal output voltages are 3400 VDC ionizer and 4700 VDC on the collector section. Power supply is housed in the hinged power door and is sealed from the airstream.

F72A RATING:

<table>
<thead>
<tr>
<th>CFM</th>
<th>Efficiency</th>
<th>WG</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>99%</td>
<td>06</td>
</tr>
<tr>
<td>1500</td>
<td>99%</td>
<td>12</td>
</tr>
<tr>
<td>2000</td>
<td>95%</td>
<td>22</td>
</tr>
<tr>
<td>2500</td>
<td>90%</td>
<td>33</td>
</tr>
<tr>
<td>3000</td>
<td>80%</td>
<td>49</td>
</tr>
</tbody>
</table>

F72B RATING:

<table>
<thead>
<tr>
<th>CFM</th>
<th>Efficiency</th>
<th>WG</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>95%</td>
<td>06</td>
</tr>
<tr>
<td>3000</td>
<td>99%</td>
<td>12</td>
</tr>
<tr>
<td>4000</td>
<td>95%</td>
<td>22</td>
</tr>
<tr>
<td>5000</td>
<td>90%</td>
<td>33</td>
</tr>
<tr>
<td>6000</td>
<td>80%</td>
<td>49</td>
</tr>
</tbody>
</table>

CELL SPECIFICATION:
Dimensions: 24 1/4" x 24 1/8" x 10 3/4"
Weight: 60 lbs. per cell
Collection Area: 240 Sq. Ft.
Voltage Gradient: 20,000 volts per inch m.n.
F72A (One cell): F72B (Two cells)

AMBIENT TEMP:
125° F Max, 40° F Min. airflow through cells

MOUNTING: Vertical, standing or hanging cabinet with horizontal airflow. Horizontal mounting with vertical airflow.

PRE/POST FILTERS: 1" multi-layered aluminum mesh

DIAGNOSTICS: System light and test button

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com

*Inquire about stacking capacity beyond 36,000 CFM. Air mover is not included. Installer must provide air mover sized to accommodate required airflow in ductwork system.
Smokemaster® F73A/B
Self-Contained Electronic Air Cleaner

SPECIFICATIONS:

Dimensions: 53.75" L x 46.50" W x 31.60" H

Weight:  
- F73A: 490 lbs.  
- F73B: 495 lbs.

Cabinet: 16 gauge galvanized steel

Power Input:  
- F73A101: 208-240 Vac, 60 Hz, 1φ, 9.2 A  
- F73A100: 208-240 Vac, 60 Hz, 3φ, 6 A  
- F73A081: 440-480 Vac, 60 Hz, 3φ, 3 A  
- F73B100: 208-240 Vac, 60 Hz, 3φ, 9 A  
- F73B101: 440-480 Vac, 60 Hz, 3φ, 5 A

Power Supply: Solid state, dual voltage and self-regulating. Nominal output voltages are 9400 Vdc ionizer and 4700 Vdc on the collector section. Power supply is housed in the hinged power door and is sealed from the air stream.

Cell Specification:  
- Dimensions: 24 1/4" x 24 1/8" x 10 3/4"  
- Weight: 60 lbs. per cell  
- Collection Area: 240 sq. ft.  
- Voltage Gradient: 20,000 volts per inch min.

F73A/B (Two cells)

Ambient Temp.: 125°F Max., 40°F Min. Airflow through coils

Mounting: Standing or hanging cabinet with horizontal airflow.

Pre/Post Filters: 1" multi-layered aluminum mesh

Diagnostics: Systems light and test button

Efficiency:  
- (ASHRAE 52-76)  
  - F73A: 5000 CFM 90%  
  - F73B: 5000 CFM 80%  

(Efficiency increases with decreased airflow)

Motor:  
- (F73A) 2 HP motor with sealed ball bearings and thermally protected.  
- (F73B) 3 HP motor with sealed ball bearings and thermally protected.

Blower: Belt driven, dual centrifugal blower wheels with ball bearings. Adjustable shoes assembly allows airflow adjustment of up to 800 CFM.

The F73A/B provides 5000 CFM/6000 CFM air handling capacity in a self-contained unit.

UNIT INCLUDES:
- Background or Source Capture Design
- Four-way Adjustable Exhaust Louvers
- 12-month Parts Warranty
- Solid State, Dual Voltage, Power Supply
- Smokemaster® Electronic Cell

OPTIONS INCLUDE:
- Source Capture Custom Ported Plenum
- Impinger Assembly  
  (Used only with F73B unit)

F73B SYSTEM CURVE:

The F73B (3 HP) model is recommended to handle high restriction systems (ducted).

For further information:
BERRIMAN ASSOCIATES  
1-800-480-3630  
www.berriman.com

<table>
<thead>
<tr>
<th>METRIC CONVERSION</th>
<th>FORMULA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ins. to mm</td>
<td>Ins. x 25.4</td>
</tr>
<tr>
<td>Lbs. to kgs.</td>
<td>Lbs. x 453.5925</td>
</tr>
<tr>
<td>in. w.g. to kPa</td>
<td>in. w.g. x 1.01325</td>
</tr>
<tr>
<td>CFM to m³/h</td>
<td>CFM x 0.0168</td>
</tr>
<tr>
<td>ft² to m²</td>
<td>ft² x 0.09290304</td>
</tr>
</tbody>
</table>
MODEL M32 R&L
Media Air Cleaner
FEATURING THE NEW EXTENDED SERVICE FILTER

The new M32 is a self-contained media air cleaning system designed for general background or ducted for source capture applications. The M32 includes the new E.S.F. MicroGlass Filter for long filter life and high efficiencies to effectively remove smoke, mist, dust and other airborne contaminants at a rate of up to 1500 CFM.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
**M32 R&L FEATURES & SPECIFICATIONS**

**DIMENSIONS:** 27½"H x 14½"W x 44"L.

**WEIGHT:** 185 lbs. installed
120 lbs. shipping weight.

**CABINET:** 16 gauge welded steel cabinet with a baked enamel, textured coated finish.

**POWER INPUT:** 110 - 120 Vac, 60 Hz, 1 phase, 12 amps
220-240 Vac, 50 Hz, 1 phase, 6 amps

**PRIMARY FILTER:** Construction: Rigid V-Bank configuration
Element: Mini-pleated microglass filter. Dimensions: 11½" x 23½" x 11½". Collection Area: 100 sq. ft.

**AIRFLOW/EFFICIENCY:**

<table>
<thead>
<tr>
<th>Extended Service Filter PN</th>
<th>ASHRAE 52.1 1992 Filter Efficiency</th>
<th>CFM = Cubic Feet Per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>41126</td>
<td>95-98%</td>
<td>1155 CFM</td>
</tr>
<tr>
<td>41137</td>
<td>95-96%</td>
<td>1275 CFM</td>
</tr>
<tr>
<td>41138</td>
<td>65-70%</td>
<td>1300 CFM</td>
</tr>
</tbody>
</table>

**AMBIENT TEMPERATURE:** 175° maximum.

**MOUNTING:** Standing or hanging cabinet with horizontal airflow. Ceiling mount brackets - standard.

**PREFILTER:** 30-35% efficiency, pleated 12" x 24" x 4". Filter media is a cotton and synthetic blend. Total prefilter media area is 15 sq. ft.

**MOTOR:** 1 HP sealed ball bearings and thermally protected. Adjustable motor sheave allows for field adjustments to the rated airflow.

**BLOWER:** Forward curved, ball bearing, belt driven centrifugal blower. This blower is capable of moving 2250 cfm free air.

**INSTRUMENTATION:** Dirty Filter Gage - Factory in staid pressure gage designed to determine filter replacement cycle.
Indicator Light - Light indicates that the blower motor is energized properly.

**FILTER ACCESS:** Side loading track system with hinged access door.

**SOUND LEVELS:** 72 dBa at 9", 70 dBa at 12".

**ADDITIONAL FEATURES:**
- Primary Filter: Extended service filter with 100 sq. ft. of media.
- 36 month parts warranty.
- One HP maintenance-free motor.
- Dirty filter gage.
- 35% efficient 4" pleated prefilter.
- 10' power cord with molded plug.

**OPTIONAL EQUIPMENT:**
- Impinger assembly for mist applications.
- Plenum, ducting and hood accessories.
- 2 HP motor upgrade.
- 95% DOP primary filter.
- 65% ASHREA prefilter.

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For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com

Manufacturer reserves the right to continue improvement of this product and reserves the right to make changes in design and specification without notice.
The new M32 is a self-contained media air cleaning system designed for source capture applications in industry. The M32 includes the new E.S.F. micro-glass filters for long filter life and high efficiencies to effectively remove smoke, mist, dust and other airborne contaminants at a rate of up to 1300 cfm.

For further information:

BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
M32V FEATURES & SPECIFICATIONS

DIMENSIONS: 61"H x 20"W x 40"L

WEIGHT: 295 lbs. installed
370 lbs. shipping weight


POWER INPUT:

<table>
<thead>
<tr>
<th>Model</th>
<th>Vac</th>
<th>Hz</th>
<th>Phase</th>
<th>Amps</th>
<th>Watts</th>
</tr>
</thead>
<tbody>
<tr>
<td>M32V1003</td>
<td>120</td>
<td>60</td>
<td>1</td>
<td>12</td>
<td>1100</td>
</tr>
<tr>
<td>M32V1011</td>
<td>208-240</td>
<td>60</td>
<td>1</td>
<td>6.6</td>
<td>1100</td>
</tr>
</tbody>
</table>

MOTOR: 1 HP, ball bearing.

BLOWER: Forward curved, ball bearing, belt driven centrifugal blower. This blower is capable of moving 2250 cfm free air.

INSTRUMENTATION: Dirty Filter Gauge – Factory installed pressure gauge designed to determine filter replacement cycle.

Indicator Light – Light indicates that the blower motor is energized properly.

MECHANICAL ARM: 10" externally supported arm swings 180° on its axis and reaches from floor to 11' high. Once this arm is positioned, the hood and hose remain in place until moved.

HOSE: 8" diameter EPDM rubber hose with an enclosed wire helix. This hose is 10' long.

SOUND LEVELS: 67 dBA at 9', 66 dBA at 15'.

FILTER SELECTION:

PREFILTER: 30-35% efficiency, pleated, 12" x 24" x 4".

PRIMARY FILTER CHOICES: Dimensions on the E.S.F. 12" x 24" x 12".

<table>
<thead>
<tr>
<th>Extended Service Filter PM</th>
<th>Filter Efficiency*</th>
<th>CFM at Cubic Ft. Per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Air Flow, 1 HP, Single Arm</td>
</tr>
<tr>
<td>41136</td>
<td>95-98% Bag</td>
<td>1145 CFM**</td>
</tr>
<tr>
<td>41137</td>
<td>85-90% Bag</td>
<td>1162 CFM**</td>
</tr>
<tr>
<td>41138</td>
<td>65-70% Bag</td>
<td>1200 CFM**</td>
</tr>
</tbody>
</table>

The new E.S.F. (Extended Service Filter) offers a dramatic increase in filter life due to the large media surface area. 100 sq. ft.

*Efficiency based on ASHRAE Dust Spot 52.76.
**1.5 HP upgrade increases air flow up to 20%.

ADDITIONAL FEATURES:

- 36 month parts warranty.
- One externally supported 10' arm with 8" diameter flexible hose with hood.
- One HP maintenance-free motor.
- 35% 4" pleated prefiltre.
- 10' power cord with molded plug.
- Extended service filter.

OPTIONAL EQUIPMENT:

- Halogen light for source capture hood.
- Double arm configuration.
- 1.5 HP motor upgrade.
- 95% DCP primary filter.
- 95% pleated prefiltre.

For further information:

BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
The M33 is a self-contained media air cleaning system designed for general background or ducted for source capture applications. The M33 can be ordered with three-stage filtration which will effectively remove a broad range of airborne contaminants including fine dusts, smoke, soot, vapors, mist, VOC’s and more at a rate of up to 1500 cfm.

For further information:

BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
M33 R&L FEATURES & SPECIFICATIONS

DIMENSIONS: 27 1/2"H x 14 1/4"W x 56"L
WEIGHT: 200 lbs. installed
240 lbs. shipping weight
CABINET: 16 gauge welded steel cabinet with a baked enamel, textured coated finish.
POWER INPUT: 110 - 120 Vac, 60 Hz, 1 phase, 12 amperes
208-240 Vac, 60 Hz, 1 phase, 6 amperes
PRIMARY FILTER: Dimensions on the bag filters are 12" x 24" x 26"
AIRFLOW/EFFICIENCY:

<table>
<thead>
<tr>
<th>Stock #</th>
<th>Filter</th>
<th>CFM 1 HP</th>
<th>CFM 5 HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>41128</td>
<td>95-98% Bag</td>
<td>1125 CFM</td>
<td>1.3</td>
</tr>
<tr>
<td>41129</td>
<td>85-90% Bag</td>
<td>1250 CFM</td>
<td>1.1</td>
</tr>
<tr>
<td>41130</td>
<td>85-70% Bag</td>
<td>1270 CFM</td>
<td>1.0</td>
</tr>
<tr>
<td>41131</td>
<td>45-50% Bag</td>
<td>1315 CFM</td>
<td>1.0</td>
</tr>
</tbody>
</table>

*Efficiency based on ASHRAE Dust Spot 52-76.

AMBIENT TEMPERATURE: 176° maximum.
MOUNTING: Standing or hanging cabinet with horizontal airflow. Ceiling mount brackets - standard.
PREFILTER: 30-35% efficiency, pleated 12" x 24" x 4". Filter media is a cotton and synthetic blend. Total prefiltet media area is 19 sq. ft.
MOTOR: 1 HP sealed ball bearings and thermally protected. Adjustable motor sheave allows for field adjustments to the rated air flow.
BLOWER: Forward curved, bell bearing, belt driven centrifugal blower. This blower is capable of moving 2250 cfm free air.
INSTRUMENTATION: Dirty Filter Gauge – Factory installed pressure gage designed to determine filter replacement cycle. Indicator Light – Light indicates that the blower motor is energized properly.
FILTER ACCESS: Side load track system with hinged access door.
SOUND LEVELS: 72 dBA at 9', 70 dBA at 12'.

STANDARD FEATURES:
- 36 month parts warranty.
- One HP maintenance-free motor.
- Dirty filter gauge.
- 35% efficient 4" pleated prefiltet.
- 10' power cord with molded plug.

OPTIONAL EQUIPMENT:
- Impinger assembly for mist applications.
- Pleum, ducting and hood accessories.
- 2 HP motor upgrade.
- Extended service filter upgrade.
- 65% ASHRAE prefiltet.
- Minihelic® upgrade
- Bulk refillable carbon module.

For further information:

BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
M68V FEATURES & SPECIFICATIONS

STANDARD FEATURES
- True HEPA filter rated 99.97% efficiency @ .3 microns rated for 1100 CFM
- One externally supported 8" diameter by 10' arm with hood
- 1 ½ HP motor
- 35% eff. pleated prefilter
- Dirty filter gauge
- 3-year limited warranty

OPTIONAL FEATURES
- Motor and fan upgrades including backward inclined fans
- 2000 CFM HEPA
- 65% eff. high capacity pleated prefilter
- Second collection arm
- Minihelic® gauge
- Additional filter modules

DIMENSIONS: 40.25"L x 31"W x 65"H
WEIGHT: 422 lbs. installed
- 485 lbs. shipping weight
CABINET: 16 gauge welded steel cabinet with ivory enamel finish.
POWER INPUT: Voltage Phase 1/² HP Amps
110-120 voltage 1 17.2
208-240 voltage 1 8.8
MOTOR: Heavy-duty 1 1/2 HP motor with sealed ball bearings.
BLOWER: Bolt drive fan capable of 4400 CFM free air with field adjustable motor sheave.
Factory Set CFM:
- One Arm Model: Up to 1100 CFM/ Arm
- Two Arm Model: Up to 1000 CFM/ Arm
PREFILTER: 24" x 24" x 4" 35% efficient pleated media.
PRIMAY FILTER: 24" x 24" x 12" HEPA 99.97% certified efficiency @ .3 microns. Rated 1100 CFM.
INSTRUMENTATION: Dirty Filter Gage – Factory Installed pressure gage designed to determine filter replacement cycle.
SOUND LEVELS: Max 72 dBA at 15 ft., 74 dBA at 9 ft.

The M68V is designed for high efficiency source capture filtration with mobility.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
New! MODEL M73 MicroGlass Air Cleaner

Featuring the new Extended Service Filter

The new M73 is a self-contained media air cleaning system designed for general background or ducted for source capture applications. The M73 includes the new E.S.F. MicroGlass Filters for long filter life and high efficiencies to effectively remove smoke, mist, dust and other airborne contaminants at a rate of up to 6000 CFM.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
M73 FEATURES & SPECIFICATIONS

DIMENSIONS: 49.50"L x 46.50"W x 31.60"H


CABINET: 16 gauge galvanized steel.

POWER INPUT: 208-240 Vac, 60 Hz, 30, 9 Amps
440-480 Vac, 60 Hz, 30, 5 Amps

PRIMARY FILTER SPECIFICATIONS:
Construction: Rigid V-Bank Configuration
Element: Mini-pleated microglass fiber
Number: 2 filters per unit
Dimensions: 23"H x 23"W x 11¾"H
Weight: 13.25 lbs. each
Collection Area: 400 sq. ft. with two filters

AIRFLOW/EFFICIENCY:

<table>
<thead>
<tr>
<th>ASHRAE 52.76</th>
<th>CFM (AMBIENT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>45-50%</td>
<td>5000</td>
</tr>
<tr>
<td>60-65%</td>
<td>5200</td>
</tr>
<tr>
<td>80-85%</td>
<td>4575</td>
</tr>
<tr>
<td>90-95%</td>
<td>4850</td>
</tr>
<tr>
<td>DOP 95%</td>
<td>4500</td>
</tr>
</tbody>
</table>

AMBIENT TEMPERATURE: 175°F Maximum

MOUNTING: Standing or ceiling-mounted cabinet with horizontal airflow. Ceiling mount brackets – standard.

PREFILTER: Two 20-35% efficient pleated filters, 24" x 24" x 4". Filter media is a cotton and synthetic blend. Total prefilter media area is 50 ft.

MOTOR: 3 HP sealed ball bearings and thermally protected. Adjustable speed allows airflow adjustments of up to 800 CFM.

BLOWER: Belt driven, dual centrifugal blower wheels with ball bearings.

INSTRUMENTATION: Dirty Filter Gauge – Factory installed pressure gauge designed to determine filter replacement cycle.

FILTER ACCESS: Side load track system with hinged access door.

ADDITIONAL FEATURES:
3 year parts warranty,
400 sq. ft. of media,
4-way adjustable exhaust louvers,
Motor starter and control circuitry,
Dirty filter gauge.

OPTIONS INCLUDE:
Custom source capture plenum,
Impinger/drain pan,
95% DOP efficiency.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com

Manufacturer reserves the right to make changes in design and specification without notice.
The new M72 is an in-duct media air cleaning system. It features the MicroGlass Extended Service Filters for long filter life and high efficiencies to effectively remove smoke, mist, dust and other airborne contaminants at a rate of up to 6000 cubic feet of air per minute. Multiple units can be used for additional capacity.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
M72 FEATURES & SPECIFICATIONS

FEATURES
- Extended service life due to large filter media surface area of 400 sq. ft. total.
- Low filter pressure drop for reduced energy consumption and cost.
- Air flow capacity up to 6000 cubic feet per minute.
- High contaminant-holding capacity that results in low maintenance (fewer change-outs) and disposal costs.
- Increased efficiency during service life (no particle migration or fiber breakoff).
- Higher recommended final pressure drop (longer filter life) than conventional bag filter systems.
- Stacking capacity up to 38,000 CFM with optional hardware.

UNIT PERFORMANCE

SPECIFICATIONS

DIMENSIONS: 21"L x 49.5"W x 32.25"H


CABINET: 16 gauge galvanized steel.

PRIMARY FILTER: Rigid V-bank, mini-pleated microglass fiber construction. Two 23½" x 23½" x 11½" filters in each unit. Filters weigh 13.25 lbs. each with a total collection area of 400 sq. ft.

AMBIENT TEMPERATURE: 75°F maximum.

MOUNTING: Standing or hanging cabinet with horizontal or vertical airflow. Ceiling mount brackets are standard.

PREFILTER: Two 30-35% efficiency pleated prefilters. 24" x 24" x 4". Filter media is a cotton and synthetic blend. Total prefilter media area is 59 sq. ft.

INSTRUMENTATION: Dirty Filter Gauge designed to determine filter replacement cycle.

FILTER ACCESS: Side load track system with hinged access door.
The M66 is a self-contained media air cleaning system designed for general background or ducted for source capture applications. The M66 can be ordered with three-stage filtration which will effectively remove a broad range of airborne contaminants including fine dusts, smoke, soot, vapors, mist, VOC’s and more at a rate of up to 3200 cfm.

For further information:

BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
M66 R&L FEATURES & SPECIFICATIONS

DIMENSIONS: 27 1/4"H x 26 1/4"W x 96"L
WEIGHT: 250 lbs. installed
297 lbs. shipping weight
CABINET: 16-gauge welded steel cabinet with baked enamel textured coated finish.
POWER INPUT:

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Phase</th>
<th>1 HP Amps</th>
<th>2 HP Amps</th>
<th>3 HP Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-120</td>
<td>1</td>
<td>12</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>208-240</td>
<td>1</td>
<td>6.6</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>208-240</td>
<td>3</td>
<td>3.8</td>
<td>7</td>
<td>9</td>
</tr>
<tr>
<td>440-480</td>
<td>3</td>
<td>1.9</td>
<td>3.5</td>
<td>4.4</td>
</tr>
</tbody>
</table>

PRIMARY FILTER: 24" x 24" x 22", 8 pocket, 86 sq. ft. of synthetic media.
Optional filters can increase filter media to 200 sq. ft.

AIRFLOW/EFFICIENCY:

<table>
<thead>
<tr>
<th>Stock Number</th>
<th>Filter</th>
<th>CFM = Cubic Feet Per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1 HP</td>
</tr>
<tr>
<td>4107</td>
<td>65% Bag</td>
<td>1640 CFM</td>
</tr>
<tr>
<td>41056</td>
<td>85% Bag</td>
<td>2030 CFM</td>
</tr>
<tr>
<td>41055</td>
<td>65% Bag</td>
<td>2150 CFM</td>
</tr>
<tr>
<td>41057</td>
<td>50% Bag</td>
<td>2190 CFM</td>
</tr>
<tr>
<td>4106</td>
<td>35% Bag</td>
<td>2210 CFM</td>
</tr>
</tbody>
</table>

STANDARD FEATURES:
- 38 month parts warranty.
- 1 HP maintenance-free motor.
- Dirty filter gauge.
- 10 ft. power cord with molded plug.
- Completely prewired including 3 phase.

OPTIONAL ACCESSORIES:
- 2, 3 and 5 HP Blower packages
- Silencer.
- Extended service filters.
- HEPA and electrostatic add-on modules.
- Wrap around prefilter.
- Minihelic® filter gauge.
- Source capture plenums.
- 45 or 90 lbs of activated carbon
- Impinger assembly
- Oil mist bag filter
- 65% pre filter

AMBIENT TEMP: 175°F Maximum
MOUNTING: Standing or hanging cabinet with horizontal airflow. Ceiling mount brackets – standard.
PREFILTER: 30-35% efficient pleated filters, 24" x 24" x 4". Filter media is a cotton and synthetic blend. Total prefiler media area is 26.5 ft².
MOTOR: 1 HP sealed ball bearings and thermally protected. Adjustable motor sheave allows for field adjustments to the rated airflow.
BLOWER: Forward curved, ball bearing, belt driven centrifugal blower. This blower is capable of moving 4400 cfm free air.
INSTRUMENTATION: Dirty Filter Gage – Factory installed pressure gage designed to determine filter replacement cycle.
Indicator Light – Light indicates that the blower motor is energized properly.
FILTER ACCESS: Side load track system with hinged access door.
SOUND LEVELS: 70 dBA at 15 ft., 73 dBA at 9 ft.

For further information:

BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com

Manufacturer reserves the right to make changes in design and specification without notice.
The M66 is a self-contained media air cleaning system designed for use in source capture applications where mobility is desired. The M66 can be ordered in a three-stage filtration which will effectively remove a broad range of airborne contaminants including fine dust, smoke, soot, vapors, mist, VOC’s and more at a rate of up to 2700 cfm.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
M66V FEATURES & SPECIFICATIONS

**DIMENSIONS:** 40¼"L x 31½"W x 72¼"H

**WEIGHT:** 368 lbs. installed
440 lbs. shipping weight

**CABINET:** 16 gauge galvanized welded steel cabinet with baked enamel texture coated finish. Drain connection for oil mist removal. Four heavy duty swivel casters.

**POWER INPUT:**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Phase</th>
<th>1 HP Amps</th>
<th>2 HP Amps</th>
<th>3 HP Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-120</td>
<td>1</td>
<td>12</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>208-240</td>
<td>1</td>
<td>6.6</td>
<td>9</td>
<td>NA</td>
</tr>
<tr>
<td>208-240</td>
<td>3</td>
<td>3.8</td>
<td>7</td>
<td>9</td>
</tr>
<tr>
<td>440-600</td>
<td>3</td>
<td>1.9</td>
<td>3.5</td>
<td>4.4</td>
</tr>
</tbody>
</table>

**PRIMARY FILTER:** 24" x 24" x 22" pocket, 66 sq. ft. of synthetic media. Optional filters can increase filter media to 200 sq. ft.

**AIRFLOW/EFFICIENCY:**

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Filter</th>
<th>CFM = Cubic Feet Per Minute Per Arm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1 HP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 Arm</td>
</tr>
<tr>
<td>41072</td>
<td>90% Bag</td>
<td>1155</td>
</tr>
<tr>
<td>41066</td>
<td>85% Bag</td>
<td>1170</td>
</tr>
<tr>
<td>41065</td>
<td>65% Bag</td>
<td>1175</td>
</tr>
<tr>
<td>41057</td>
<td>50% Bag</td>
<td>1190</td>
</tr>
<tr>
<td>41061</td>
<td>35% Bag</td>
<td>1200</td>
</tr>
</tbody>
</table>

**PREFILTER:** 30-35% efficient pleated filter, 24" x 24" x 4". Filter media is a cotton and synthetic blend. Total prefilter media area is 29.5 sq. ft.

**MOTOR:** 1 HP sealed ball bearings and thermally protected. Adjustable motor sheave allows for field adjustments to the rated air flow.

**BLOWER:** Forward curved, ball bearing, belt driven centrifugal blower. This blower is capable of moving 4400 cfm free air.

**INSTRUMENTATION:**

- **Dirty Filter Gage** – Factory installed pressure gage designed to determine filter replacement cycle.
- **Indicator Light** – Light indicates that the blower motor is energized properly.

**FILTER ACCESS:** Side load track system with hinged access door.

**SOUND LEVELS:** 67 dBA at 9', 66 dBA at 15'.

**MECHANICAL ARM:** 10' externally supported arm swings 180° on its axis and reaches from floor to 11' high. Once this arm is positioned, the hood and hose remain in place until moved.

**ADDITIONAL FEATURES:**

- 36 month parts warranty
- One externally supported 10' arm with 8" diameter flexible hose with hood.
- One HP maintenance-free motor.
- 35% 4" pleated prefilter.
- Primary filter.
- 10' power cord with molded plug.

**OPTIONAL EQUIPMENT:**

- Halogen light for source capture hood.
- 45 lbs. activated carbon module.
- Double arm configuration.
- 2 HP motor upgrade. 3 HP motor upgrade.
- Extended service filter upgrade.

---

For further information:

**BERRIMAN ASSOCIATES**

1-800-480-3630

www.berriman.com
The M33V is a self-contained media air cleaning system designed for use in source capture applications where mobility is desired. The M33V can be ordered in a three-stage filtration which will effectively remove a broad range of airborne contaminants including fine dust, smoke, soot, vapors, mist, VOC’s and more at a rate of up to 1500 cfm.

For information:

BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
M33V FEATURES & SPECIFICATIONS

DIMENSIONS:  73"H x 20"W x 40"L (Unit Only)

WEIGHT:  274.5 lbs. installed weight
         324 lbs. shipping weight
         Optional carbon module adds 44 lbs. to the installed and shipping weight.


MECHANICAL ARM:  10' externally supported arm swings 180° on its axis and reaches from floor to 11' high. Once this arm is positioned, the hood and hose remain in place until moved.

POWER INPUT:

<table>
<thead>
<tr>
<th>Model</th>
<th>Vac</th>
<th>Hz</th>
<th>Phase</th>
<th>Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>M33V10003</td>
<td>120</td>
<td>60</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>M33V10111</td>
<td>280</td>
<td>240</td>
<td>1</td>
<td>8.6 - 6</td>
</tr>
</tbody>
</table>

PRIMARY FILTER:  12" x 24" x 26" 5 pocket, 42 sq. ft. of synthetic filter media. Optional filter will increase filter media to 100 sq. ft.

AIRFLOW/EFFICIENCY:

<table>
<thead>
<tr>
<th>Filter PN</th>
<th>Filter Efficiency*</th>
<th>CFM = Cubic Feet/Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1 HP</td>
</tr>
<tr>
<td>41128</td>
<td>95 - 98% Bag</td>
<td>1020 CFM</td>
</tr>
<tr>
<td>41129</td>
<td>85 - 90% Bag</td>
<td>1060 CFM</td>
</tr>
<tr>
<td>41130</td>
<td>65 - 70% Bag</td>
<td>1075 CFM</td>
</tr>
<tr>
<td>41131</td>
<td>45 - 50% Bag</td>
<td>1100 CFM</td>
</tr>
</tbody>
</table>

*Efficiency based on ASHRAE Dust Spot 52-76.

PREFILTER:  30-35% efficiency, pleated 12" x 24" x 4". Filter media is a cotton and synthetic blend. Total prefiltet media area is 15 sq. ft.

MOTOR:  1 HP sealed ball bearings and thermally protected. Adjustable motor sheave allows for field adjustments to the rated air flow.

BLOWER:  Forward curved, ball bearing, belt driven centrifugal blower. This blower is capable of moving 2250 cfm free air.

INSTRUMENTATION:

Dirty Filter Gage – Factory installed pressure gage designed to determine filter replacement cycle.

Indicator Light – Light indicates that the blower motor is energized properly.

FILTER ACCESS:  Slide load track system with hinged access door.

SOUND LEVELS:  67 dBA at 9', 66 dBA at 15'.

CARBON FILTER:  22 lbs. activated, refillable carbon module. If the carbon filter module is to be used as the third stage of filtration behind the prefiltro and primary filter, then the optional rigid filter will be substituted for the standard bag to allow room for the carbon filter. Please note that the maximum air flow rating for the carbon module is 500 cfm if the carbon filter is ordered, the air flow will be factory set at 500 cfm.

OPTION – PN 67125:

For information:

BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com

Manufacturer has a policy of continuing product improvement and reserves the right to make changes in design and specification without notice.
MODEL M67
Media Air Cleaner

The Smokemaster® M67 is self-contained multi-stage media air cleaning system designed for general background cleaning of dust, smoke, soot or other airborne particulate. The M67 is the choice for light duty applications such as sanding, buffing, welding or automotive refinishing at a rate of up to 1980 cfm.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
M67 FEATURES & SPECIFICATIONS

STANDARD FEATURES
• Front end load mechanical filter system for easy filter access.
• Adjustable postfilter track for flexibility in postfilter selection.
• 10-foot power cord with molded plug.
• Quality engineering and workmanship backed by a 3-year parts warranty (see owners manual for warranty statement).

OPTIONAL FEATURES
• Way-around prefilter.
• 2" Carbon filter for odor control.

DIMENSIONS: 24"H x 24"W x 47"L

WEIGHT: 118.5 lbs. Installed
160 lbs. Shipping weight

CABINET: 18-gauge steel cabinet with black enamel paint finish.

POWER INPUT:

<table>
<thead>
<tr>
<th>VOLTAGE</th>
<th>PHASE</th>
<th>1/4 HP AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-120</td>
<td>1</td>
<td>5.0</td>
</tr>
<tr>
<td>208-240</td>
<td>1</td>
<td>4.0</td>
</tr>
</tbody>
</table>

MOUNTING: Unit may be mounted to ceiling with 3/8 - 16 NC eyebolt included, or on wall with optional mounting hardware.

MOTOR: Heavy-duty 1/4 HP, 3 speed motor with sealed ball bearings.

BLOWER: Direct drive, forward curved capable of 3650 cfm free air.

PREFILTER: 24" x 24" x 2" pleated media.

PRIMARY FILTER: 24" x 24" x 22" multi-pocket bag, or optional filter cube.

INSTRUMENTATION: Dirty Filter Gage – Factory installed pressure gage designed to determine filter replacement cycle.

FILTER ACCESS: Front load

SOUND LEVELS: Max 68 dBA at 15 ft., 71 dBA at 9 ft.

AIRFLOW EFFICIENCY:

<table>
<thead>
<tr>
<th>STOCK NUMBER</th>
<th>FILTER</th>
<th>(CFM = Cubic Feet Per Minute)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>HI</td>
</tr>
<tr>
<td>41072</td>
<td>95% Bag</td>
<td>1625 cm³/min</td>
</tr>
<tr>
<td>41066</td>
<td>85% Bag</td>
<td>1690 cm³/min</td>
</tr>
<tr>
<td>41055</td>
<td>65% Bag</td>
<td>1775 cm³/min</td>
</tr>
<tr>
<td>41057</td>
<td>50% Bag</td>
<td>1850 cm³/min</td>
</tr>
<tr>
<td>41061</td>
<td>35% Cube</td>
<td>1880 cm³/min</td>
</tr>
</tbody>
</table>

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com

Manufacturer has a policy of continuing product improvement, and reserves the right to make changes in design and specifications without notice.
The M68 is a self-contained HEPA air cleaner rated at 99.97% efficient @ 0.3 microns. The M68 is designed for use where higher efficiency filtration is required. The M68 is rated for airflows up to 1850 CFM.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
M68 FEATURES & SPECIFICATIONS

STANDARD FEATURES
- True HEPA filter rated 99.97% efficiency @ .3 microns
- Side load mechanical filter system for easy filter access
- 4-way adjustable louvers
- 10-foot power cord with molded plug on single phase units
- Quality engineering and workmanship backed by a 3-year parts warranty

OPTIONAL FEATURES
- Motor and fan upgrades
- Add-on carbon or electrostatic modules
- Collection arms

DIMENSIONS: 27"H x 26.5"W x 47"L

WEIGHT: 296 lbs. Installed
345 lbs. Shipping weight

CABINET: 16-gauge welded steel cabinet with ivory enamel finish.

POWER INPUT:

<table>
<thead>
<tr>
<th>VOLTAGE</th>
<th>PHASE</th>
<th>1/2 HP AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-120</td>
<td>1</td>
<td>11.2</td>
</tr>
<tr>
<td>208-240</td>
<td>1</td>
<td>8.8</td>
</tr>
</tbody>
</table>

MOUNTING: Unit may be mounted to ceiling with 3/8 – 16 NC eyebolts included, or on wall with optional mounting hardware.

MOTOR: Heavy-duty 1 1/2 HP motor with sealed ball bearings.

BLOWER: Belt driven fan capable of 3000 CFM free air, with field adjustable motor sheave.

PREFILTER: 24" x 24" x 4", 35% efficient pleated media.

PRIMARY FILTER: 24" x 24" x 12", HEPA 99.97% certified efficiency @ .3 microns.

INSTRUMENTATION: Dirty Filter Gage - Factory installed pressure gage designed to determine filter replacement cycle.

FILTER ACCESS: Side load

SOUND LEVELS: Max 72 dBA at 15 ft., 74 dBA at 9 ft.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com

Manufacturer has a policy of continuing product improvement and reserves the right to make changes in design and specification without notice.
The new M660 is a self-contained media air cleaning system designed for source capturing coolant mist applications in industry. The M660 can be ordered in three stage filtration which will effectively remove a broad range of contaminants including mist, smoke, soot, vapors, VOC’s and more at a rate of up to 1675 cfm.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
M660 FEATURES & SPECIFICATIONS

How It Works:
Mist laden air enters the unit from the base where it turns upward 90° before entering the two aluminum mesh impingers. The aluminum mesh impingers screen out the large droplets from the airstream before entering the primary filter. The primary filter condenses the remaining mist allowing the clean air to discharge from the top of the unit. Condensed mist drains out of the bottom of the unit.

STANDARD FEATURES:
- 36 months parts warranty.
- One HP maintenance-free motor.
- 10” power cord with molded plug.
- Sump kit.
- Two 8” collars for ducting.

OPTIONAL ACCESSORIES:
- 2 hp and 3 hp motor upgrade.
- 45 lb. carbon module
- Two 10” collars for ducting

SPECIFICATIONS:
- DIMENSIONS: 84½” H x 27” W x 26½” L
- WEIGHT: 360 lbs. installed weight
  430 lbs. shipping weight
- POWER INPUT:

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Phase</th>
<th>1 HP Amps</th>
<th>2 HP Amps</th>
<th>3 HP Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-120</td>
<td>1</td>
<td>12</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>208-240</td>
<td>3</td>
<td>6.6</td>
<td>9</td>
<td>NA</td>
</tr>
<tr>
<td>208-240</td>
<td>3</td>
<td>3.8</td>
<td>7</td>
<td>9</td>
</tr>
<tr>
<td>440-480</td>
<td>3</td>
<td>1.9</td>
<td>3.5</td>
<td>4.4</td>
</tr>
</tbody>
</table>

- MOTOR: 1 HP, maintenance-free sealed ball bearing and thermally protected. Adjustable sheave allows for field adjustments to the rated airflow.
- BLOWER: Forward curved, ball bearing, belt driven centrifugal blower. This blower is capable of moving 4100 cfm of air.
- INSTRUMENTATION:
  - Dirty Filter Gauge: Factory installed pressure gauge designed to determine filter replacement cycle.
  - Indicator Light: Light indicates that the blower motor is energized properly.
- FILTER ACCESS: Side load track system with hinged access door.
- SOUND LEVELS: 67 dBA at 9', 66 dBA at 15’.

FILTER SELECTION:
- PREFILTER: Two, 24” x 24” x 2” aluminum mesh, mist impingers.
- PRIMARY FILTER: Dimensions on the bag filters are 24” x 24” x 26”.

AIR FLOW:

<table>
<thead>
<tr>
<th>Filter</th>
<th>CFM = Cubic Feet Per Minute Per Hose</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 HP</td>
</tr>
<tr>
<td>95% Bag</td>
<td>1155</td>
</tr>
<tr>
<td>1 Hose</td>
<td>1050</td>
</tr>
<tr>
<td>2 Hose</td>
<td>1665</td>
</tr>
<tr>
<td>1 Hose</td>
<td>1245</td>
</tr>
<tr>
<td>3 HP</td>
<td>870</td>
</tr>
<tr>
<td>1065</td>
<td>1675</td>
</tr>
<tr>
<td>2 Hose</td>
<td>1260</td>
</tr>
</tbody>
</table>

*Air Flows based on 8” diameter flex hose, 10’ long.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com

Manufacturer has a policy of continuing product improvement, and reserves the right to make changes, in design or specification without notice.
The new M330 is a self-contained media air cleaning system designed for source capturing coolant mist applications in industry. The M330 can be ordered in three stage filration which will effectively remove a broad range of contaminants including mist, smoke, soot, vapors, VOC’s and more at a rate of up to 1300 cfm.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
M330 FEATURES & SPECIFICATIONS

How It Works:
Mist laden air enters the unit from the base where it turns upward 90° before entering the two aluminum mesh impingers. The aluminum mesh impingers screen out the large droplets from the airstream before entering the primary filter. The primary filter condenses the remaining mist allowing the clean air to discharge from the top of the unit. Condensed mist drains out of the bottom of the unit.

STANDARD FEATURES:
- 36 months parts warranty.
- One HP maintenance-free motor.
- 10' power cord with molded plug.
- Sump kit.
- Two 8" collars for ducting.

OPTIONAL ACCESSORIES:
- 2 hp motor upgrade.
- 22 lb. carbon module.*

*Rigid filter must be used when a 22 lb. carbon module is purchased. Unit will be factory set for 500 cfm when carbon module is purchased.

SPECIFICATIONS:
DIMENSIONS: 84½" H x 27" W x 14½" L
WEIGHT: 305 lbs. installed weight
340 lbs. shipping weight
CABINET: 16 gauge welded steel cabinet with a baked enamel, textured coated finish. Built-in sump and drain connection for oil mist removal.

POWER INPUT:

<table>
<thead>
<tr>
<th>Model</th>
<th>Vac</th>
<th>Hz</th>
<th>Phase</th>
<th>Amps</th>
<th>Watts</th>
</tr>
</thead>
<tbody>
<tr>
<td>M330-1003</td>
<td>115</td>
<td>60</td>
<td>1</td>
<td>12</td>
<td>1100</td>
</tr>
<tr>
<td>M330-1011</td>
<td>230</td>
<td>60</td>
<td>1</td>
<td>6</td>
<td>1100</td>
</tr>
</tbody>
</table>

MOTOR: 1 HP maintenance-free sealed ball bearing and thermally protected. Adjustable sheave allows for field adjustments to the rated airflow.

BLOWER: Forward curved, ball bearing, belt driven centrifugal blower. This blower is capable of moving 2250 cfm free air.

INSTRUMENTATION: Dirty Filter Gauge - Factory installed pressure gauge designed to determine filter replacement cycle. Indicator Light - Light indicates that the blower motor is energized properly.

FILTER ACCESS: Side load track system with hinged access door.
SOUND LEVELS: 67 dba at 9', 66 dba at 15'.

FILTER SELECTION:
PREFILTER: Two, 12" x 24" x 2" aluminum mesh, mist impingers.
PRIMARY FILTER: Dimensions on the bag filters are 12" x 24" x 26".

AIR FLOW PER HOSE:

<table>
<thead>
<tr>
<th>Filter PN</th>
<th>Filter Efficiency</th>
<th>1 Hose</th>
<th>2 Hoses</th>
</tr>
</thead>
<tbody>
<tr>
<td>41182</td>
<td>95% Oil Mist Bag</td>
<td>1020 CFM</td>
<td>600 CFM</td>
</tr>
<tr>
<td>41181</td>
<td>85% Oil Mist Bag</td>
<td>1060 CFM</td>
<td>640 CFM</td>
</tr>
<tr>
<td>41180</td>
<td>65% Oil Mist Bag</td>
<td>1075 CFM</td>
<td>655 CFM</td>
</tr>
<tr>
<td>41185</td>
<td>95% Rigid Oil Mist Filter</td>
<td>1005 CFM</td>
<td>585 CFM</td>
</tr>
<tr>
<td>41184</td>
<td>85% Rigid Oil Mist Filter</td>
<td>1045 CFM</td>
<td>625 CFM</td>
</tr>
</tbody>
</table>

*Air flows based on a ten foot length of 3" diameter flex hose.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com

Manufacturer has a policy of continuing product improvement and reserves the right to make changes, revisions and specifications without notice.

PNS16085
FumeFighter®
COMPACT HIGH EFFICIENCY FUME EXTRACTOR

Overexposure to lead, cadmium and fluorides can lead to employee health problems, increased medical costs and decreased productivity. How can the FumeFighter® help protect you from these needless liabilities?

- **High Efficiency**: FumeFighter® offers true HEPA filtration.
- **Triple Filtration**: FumeFighter® uses two stages of mechanical filtration followed by activated charcoal (carbon) for control of gaseous contaminants.
- **Long Lasting Filters**: These high capacity, individual filter cartridges offer 5 times the life of most competitive fume collectors.
- **Airflow matched to your needs**: Infinitely adjustable speed up to 225 cfm.
- **Quiet**: Bottom discharge, dynamically balanced, backward curved impeller and optional silencer means quiet fume control.
- **Compact**: Only 1.5' square and less than 2' high.
- **Economical**: Long lasting filters, energy efficient impeller (less than two amps) and quality construction means the FumeFighter® will save you money now and in the future.

The new FumeFighter® high efficiency fume extractor removes harmful particulates, fumes and gases before they reach the worker’s breathing zone. The FumeFighter® can help you reduce employee absenteeism, employee turnover, worker’s compensation claims and lost productivity. Compact, portable and versatile, the FumeFighter® can be used in a wide variety of applications including: electronics soldering, jewelry repair brazing, cleanrooms and more!

For Further Information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
**FumeFighter® FEATURES & SPECIFICATIONS**

**ADDITIONAL FEATURES:**
- 3-year parts warranty
- Infinitely variable speed control
- Individual carbon and HEPA cartridges

**OPTIONAL ACCESSORIES:**
- Compact silencer: Easy to install and does not add to footprint
- Bench mount kits

**SPECIFICATIONS:**

- **Dimensions:** 18" x 18" x 22"
- **Weight:** 70 lbs. (shipping 85 lbs.)
  Ships via UPS
- **Construction:** 18 GA welded steel cabinet
  Chemical-resistant painted finish
  Includes 2" swivel casters
- **Airflow:**
  - 0-175 cfm (single 3" hose)
  - 0-225 cfm (double 3" hose)
  Clean air is gently discharged out of the bottom of the unit.
- **Controller:** Infinitely variable motor speed control
- **Electrical:**
  - 115 Vac, 60 Hz, 2 amps
  - 10' power cord with standard molded plug
- **Motorized Impeller:** Backward curved, vibration free,
  direct drive rated at 710 cfm @ 0" wg.
- **Prefilter:** 15" x 60" (wrapped around HEPA)
- **HEPA:** 82 square feet of 99.97% efficient @ 0.3 microns
- **Carbon Filter:** 15 lbs. of activated carbon
  in a cartridge downstream from the HEPA cartridge.
- **Arm Option:** 3" diameter self-supporting arm and hood, 30" – 48" long.

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For Further Information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com

Manufacturer reserves the right to make changes in design and specification without notice.
AQE MODEL 8000
Reverse Pulse Cleaning Cartridge Dust Collector

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
AQE MODEL 8000 DUST COLLECTOR

SPECIFICATIONS:

DIMENSIONS: 113"H x 45"W x 83"D  
143"H x 45"W x 88"D (with motor)

WEIGHT:

<table>
<thead>
<tr>
<th>Options</th>
<th>Installed</th>
<th>Shipping</th>
</tr>
</thead>
<tbody>
<tr>
<td>W/O Motor</td>
<td>1,400 lbs.</td>
<td>1,625 lbs.</td>
</tr>
<tr>
<td>7.5 HP Motor</td>
<td>1,650 lbs.</td>
<td>1,875 lbs.</td>
</tr>
<tr>
<td>15 HP Motor</td>
<td>1,750 lbs.</td>
<td>1,975 lbs.</td>
</tr>
</tbody>
</table>

CONSTRUCTION: The AQE Model 8000 is constructed of 7, 11, and 12 gauge mild steel, then painted with a polyurethane coating. The AQE 8000 is manufactured with a standard 18" diameter inlet and two 14" diameter hopper outlets. Twelve inch optional inlet diameter. Smaller inlet diameters available.

AQE 8000 CARTRIDGE:

Standard AQE cartridges are manufactured of a nonwoven filter media rated at 99.8% efficiency for .5 micron size particulate. Each cartridge is constructed with a galvanized filter cage which is 98% open. The AQE filter is designed to withstand temperatures up to 200° F.

<table>
<thead>
<tr>
<th>Model</th>
<th>Airflow Range (cfm)</th>
<th>Number of Cartridges</th>
<th>Media Area per Cartridge</th>
<th>Media Area per Unit</th>
<th>Cartridge Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQE 8000</td>
<td>0-6500</td>
<td>8</td>
<td>275 sq. ft.</td>
<td>2,200 sq. ft.</td>
<td>30&quot; x 12.75&quot; x 8.375&quot; ID</td>
</tr>
</tbody>
</table>

AQE 8000 CONTROLLER:

Four solenoid valves utilized for reverse pulse cleaning of the AQE 8000 are maintained by a photohelic controller. By simple adjustable presets, the reverse pulse cleaning is scheduled to clean at a desired pressure drop across the filters. This solid state controller is prewired and housed within a NEMA 4 enclosure. The reverse pulse controller offers the option of both on-line and off-line cleaning.

AQE 8000 REVERSE PULSE SYSTEM:

Cartridge cleaning is accomplished by the use of 1" Goyen Valves and sonic nozzles positioned behind the cartridge filters. The specially designed sonic nozzles precisely direct and increase the air velocity into the cartridge filter to reverse pulse the contaminants from the filters.
OPTIONS:

'7.5 HP MOTOR AND BLOWER:
208 VAC, 60 HZ, 3 C, 19 A
230 VAC, 60 HZ, 3 C, 17 A
460 VAC, 60 HZ, 3 C, 8.8 A

*FLAME RETARDANT FILTERS
*PRECAKED FILTERS
*TEFLON COATED POLYESTER FILTERS
*HIGH TEMPERATURE FILTERS RATED AT 250° OR 350° F

'15 HP MOTOR AND BLOWER:
208 VAC, 60 HZ, 3 C, 37.5 A
230 VAC, 60 HZ, 3 C, 34 A
460 VAC, 60 HZ, 3 C, 17 A

<table>
<thead>
<tr>
<th>Blower and Motor HP Options</th>
<th>Airflow (cfm) at Static Pressure (inches WG)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4&quot;</td>
</tr>
<tr>
<td>7.5 HP Motor</td>
<td>3800</td>
</tr>
<tr>
<td>15 HP Motor</td>
<td>5700</td>
</tr>
</tbody>
</table>

*Motor starter and thermal protection not included.

APPLICATION SIZING:

Sizing is simple with the AQE Model 8000 Dust Collector. Once the airflow (cfm) requirement for your system has been determined, all you need to do is place that number within the sizing formula, locate the air to media ratio which applies to your application, and you will then know the number of cartridges necessary for your application.

\[
\text{CFM} + \text{Air-to-Media Ratio} \div 275 \text{ Sq. Ft. of Media per Cartridge} = \text{Required Cartridges.}
\]

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Ratio</th>
<th>Contaminant</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activated Carbon</td>
<td>2.3</td>
<td>Perchlorates</td>
<td>1.6</td>
</tr>
<tr>
<td>Alumina</td>
<td>2.2</td>
<td>Pericheimicals/Dry</td>
<td>1.75</td>
</tr>
<tr>
<td>Corrosive Black</td>
<td>2.0</td>
<td>Pigments: Metal Syn.</td>
<td>1.5</td>
</tr>
<tr>
<td>Gypsum</td>
<td>1.7</td>
<td>Pigments: Paint</td>
<td>1.8</td>
</tr>
<tr>
<td>Ceramic Pigment</td>
<td>2.2</td>
<td>Plastics: Arclaser Cut</td>
<td>1.1</td>
</tr>
<tr>
<td>Clay/Brick Dust</td>
<td>1.8</td>
<td>Paper</td>
<td>2.2</td>
</tr>
<tr>
<td>Coal</td>
<td>2.2</td>
<td>Powder Coating/Back</td>
<td>1.5</td>
</tr>
<tr>
<td>Cocoa</td>
<td>1.6</td>
<td>Powder Coating/Sheen</td>
<td>1.9</td>
</tr>
<tr>
<td>Cofoco</td>
<td>1.6</td>
<td>Powder Coating/Tar</td>
<td>1.5</td>
</tr>
<tr>
<td>Coke</td>
<td>2.0</td>
<td>Rock Dust</td>
<td>2.6</td>
</tr>
<tr>
<td>Diatomaceous Earth</td>
<td>2.2</td>
<td>Rubber Chemical Additives</td>
<td>2.0</td>
</tr>
<tr>
<td>Dyeo</td>
<td>1.6</td>
<td>Sulfate Acid</td>
<td>1.6</td>
</tr>
<tr>
<td>Ferrites**</td>
<td>1.8</td>
<td>Sulfur/Mineral***</td>
<td>2.2</td>
</tr>
<tr>
<td>Filler**</td>
<td>1.9</td>
<td>Sand (Not Foundry)</td>
<td>2.5</td>
</tr>
<tr>
<td>Phosphate</td>
<td>2.0</td>
<td>Sand/Dray Dust</td>
<td>2.5</td>
</tr>
<tr>
<td>Pigment</td>
<td>2.2</td>
<td>Sodium</td>
<td>1.5</td>
</tr>
<tr>
<td>Polished/Polished</td>
<td>1.4</td>
<td>Nickel</td>
<td>1.9</td>
</tr>
<tr>
<td>Graphite</td>
<td>2.0</td>
<td>Starch</td>
<td>1.6</td>
</tr>
<tr>
<td>Gypsum</td>
<td>2.0</td>
<td>Stainless</td>
<td>1.9</td>
</tr>
<tr>
<td>Lime Hemihydrated**</td>
<td>2.0</td>
<td>Sugar (40% RH or Less)</td>
<td>1.75</td>
</tr>
<tr>
<td>Lime Stones</td>
<td>2.0</td>
<td>Talc</td>
<td>1.7</td>
</tr>
<tr>
<td>Metal Powder</td>
<td>2.0</td>
<td>Titanium/Torch Cutting</td>
<td>0.6</td>
</tr>
<tr>
<td>Welding Fume (Source Causer)</td>
<td>2.0</td>
<td>TiCN</td>
<td>1.25</td>
</tr>
<tr>
<td>Welding Fume (Ancilliates)</td>
<td>2.2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Certified Environment: 70°F with 40% relative humidity or less.
For air to media ratios on the other contaminants not listed above, contact your industrial representative.
BERRIMAN ASSOCIATES PROVIDES A COMPLETE LINE OF SMOKEMASTER AIR CLEANERS

To receive a free consultation on your industrial application TODAY, contact Berriman Associates

For further information:
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1-800-480-3630
www.berriman.com

Made in the U.S.A.
MODEL AQE4000

Overhead Cartridge System

The new Overhead Cartridge System, is a self-contained, continuous-cleaning cartridge media air cleaner for use in source capture applications in industry. The Model AQE4000 can be ordered in one and two arm configurations or permanently ducted to capture contaminants such as welding smoke, grinding dust, plastic dust and other fine particles.

Further Information:

BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
AQE4000 FEATURES & SPECIFICATIONS

Principles of Operation:
Airborne contaminants enter the AQE4000 through the optional hood/arm assembly at a rate of 1250 cubic feet of air per minute (cfm) per arm. Heavy particles are propelled downward through the venturi and into the clean out drawer. Small submicron particles are then trapped within the pleats of the four 99.8% efficient cartridge filters. The cleaned air is then discharged through the back of the unit. The cartridge filters are cleaned automatically using a Goyen valve reverse pulse system and a solid state automatic control timer.

STANDARD FEATURES:
- Automatic cleaning system.
- Solid State, Control Timer.
- 5 hp TEC motor.
- 1100 square feet of media.
- 99.8% efficient at .5 micron.
- Disconnect and overload protection.
- Three year limited warranty.

OPTIONAL FEATURES:
- Externally supported 11' and 14' arms with 360° rotation.
- Double arm configuration.
- Photocell controller.
- Hood mounted blower controls.
- Hood mounted halogen light.

CONTROLS:
All models include control circuitry and thermal protection.

SPECIFICATIONS:

- DIMENSIONS: 21" H x 58" W x 98" D
- WEIGHT: Unit 666 lbs, Optional Arm: 11' - 68 lbs, 14' - 73 lbs.
- ARM ASSEMBLY (OPTIONAL): 14' and 11' long x 8" diameter. Externally supported arm with full 360° arm rotation. Arm assembly incorporated a gas spring which provides easy up and down movement, 18 ga aluminum hood with handle. Hood moves easily vertically and horizontally.
- AIR FLOW VOLUME: 2500 cfm total, 1250 cfm per arm.
- MOTOR: 5 HP TEC.
- BLOWER: Direct drive, forward incline. All F of W 13.5" diameter.
- CABINET CONSTRUCTION: 16 Ga. welded steel.
- CONTROL TIMER: Pulse frequency adjustable from 15 seconds to 20 minutes.
- POWER: 208-240V 13.4 amps max 3 phase, 440-480V 6.6 amps max 3 phase.
- FINISH: Durable baked enameled paint.
- FILTRATION: Four high efficiency cartridge filters, 12¾" diameter x 30", 1100 sq. ft, total, 99.8% efficient at .5 micron.
- FILTER ACCESS: End load through access covers.
- FILTER CLEANING: Self-Cleaning Reverse Pulse Jet System which utilizes two, one inch Goyen diaphragm valves. Requires 80-120 psi of shop supplied compressed air.
- NOISE LEVEL: 79 dBA at 6'.
- WARRANTY: Limited three year warranty.

Further Information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com

Manufacturers make a policy of continuing product improvement, and reserves the right to make changes in design and specification without notice.
MODEL AQE2000
Portable Cartridge System

The new Portable Cartridge System is a complete self-contained media air cleaner for use in source capture applications in industry. The Model AQE2000 captures airborne contaminants such as welding smoke, grinding dust, plastic dust and other fine particles.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com
Principles of Operation:
Airborne contaminants enter the AQE2000 through the hood/arm assembly at a rate of 1100 cubic feet of air per minute (cfm). Heavy particles are propelled downward through the venturi and into the clean out trays. Small submicron particles are then trapped within the pleats of the two 99.8% efficient cartridge filters. The cleaned air is then gently diffused out the bottom of the unit. When the filter gage indicates that the cartridge filters are dirty, they are easily cleaned by connecting a shop air hose (80-120 psi) to the unit and activating the reverse pulse system.

STANDARD FEATURES:
- Air volume – 1100 cfm.
- Reverse pulse cleaning system.
- Externally supported 11" x 11" arm. Full 360° rotation.
- 1.5 horse power, TEFC motor.
- 382 square feet of filter media.
- 99.8% efficient at .5 micron.
- Large 8" diameter front wheels.
- Quiet operation.
- Three year limited warranty.

OPTIONAL FEATURES:
- Halogen light.
- Double arm configuration.
  2nd stage HEPA filter.

SPECIFICATIONS:
- DIMENSIONS: 45" H x 28.5" W x 37" D
- WEIGHT: 400 lbs. actual, 450 lbs. shipping.
- ARM ASSEMBLY: 11" long x 8" diameter. Externally supported arm with full 360° arm rotation. Arm assembly incorporated a gas spring which provides easy up and down movement.
- HOOD: 18 ga aluminum hood with handle. Hood moves easily vertically and horizontally.
- AIR FLOW VOLUME: 1100 cfm.
- MOTOR: TEFC 1.5 HP, thermally protected.
- BLOWER: Direct drive, backward incline, 3450 RPM.
- CABINET CONSTRUCTION: 16 Ga. welded galvanized steel.
- CONTROLS: All models include control circuitry and thermal protection.
- POWER: 120V/60 Hz/14 amp max or 230-240V/60 Hz/8 amp max. Ten foot power cord with molded plug standard on single phase models.
- CASTERS: Two large 8" diameter semi-pneumatic (front) wheels and two heavy duty swivel casters (back).
- FINISH: Durable powder coat paint.
- FILTRATION: Two high efficiency cartridge filters. 12½" diameter x 22", 382 sq. ft. total, 95.9% efficient at .5 micron.
- FILTER ACCESS: Hinged side door.
- FILTER CLEANING: Self-Cleaning Reverse Pulse Jet System which utilizes a one inch Goyen diaphragm valve. Requires 80-120 psi of shop supplied compressed air. ¾" NPT female fitting is provided to accept field installed quick connect.
- FILTER GAGE: Dwyer Minihelic II; indicates pressure up to 3" H2O.
- NOISE LEVEL: 73 dBA at 6".
- WARRANTY: Limited three year warranty.

For further information:
BERRIMAN ASSOCIATES
1-800-480-3630
www.berriman.com

Manufacturer has policy of continuous product improvement, and reserves the right to make changes in design and specifications without notice.