Model MC3000
Specifications and Technical Data

Features:
- Revolutionary Roto-Pulse Filter Cleaning Systems
- High Capacity Allows for Multiple Drops Without a Loss In CFM
- Modular Design
- Built-In Silencer Plenum
- Hinged Door for Easy Filter Access
- Motor Starter/Overload Relay Standard
- After Pulse Cleaning Standard

Options:
- Hopper with Blast Gate or Dust Tray
- Optional Inlet Plenum.
- Optional After Filter Module—with or without Magnahelic Gauge, To Enable Use of HEPA’s and/or Carbon Modules.
- Optional Side Exhaust Plenum
- Variety of Cartridge Filters.
- 7 1/2 HP Motor
- Remote On/Off Switch Kit(NEMA-1)

TYPICAL APPLICATIONS:
- Ambient or Source Capture of:  
  - Welding Smoke and Fumes
  - Grinding / Sanding / Polishing Dust
  - Powders
  - Other Dry Duste

Specifications

<table>
<thead>
<tr>
<th>Overall Dimensions</th>
<th>36&quot; H X 42&quot; W X 56&quot; L</th>
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<tbody>
<tr>
<td>Weight:</td>
<td>950 LBS.</td>
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<tr>
<td>Cabinet:</td>
<td>14 GAUGE WELDED GALVANEALD STEEL WITH EXTERIOR SURFACES GROUND SMOOTH</td>
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<tr>
<td>Finish:</td>
<td>INDUSTRIAL GRADE TEXTURED, BAKED CRIMSON RED ENAMEL PAINT INSIDE AND OUT</td>
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<tr>
<td>Pre-Filter:</td>
<td>32.5&quot; x 29.5&quot; x 2&quot; SPARK RESISTANT WIRE MESH PRE-FILTER</td>
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<tr>
<td>Filtration:</td>
<td>FOUR EA. HIGH EFFICIENCY, FIRE RETARDANT CARTRIDGES EACH FILTER HAS 291 SF OF MEDIA, 1,164 SF TOTAL MEDIA</td>
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<tr>
<td>Cartridge Cleaning System:</td>
<td>ROTO-PULSE® UNIQUE IROTTING TUBE WITH PRE-DRILLED HOLES. AS AIR IS PULSED INTO THE TUBE, IT Rotates AND AIR ExITS THE PRE-DRILLED HOLES, PROVIDING A HIGHLY EFFICIENT AND TOTAL CLEANING OF THE CARTRIDGE FILTER</td>
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<tr>
<td>Filter Change Indicator:</td>
<td>MAGNAHELIC GAUGE</td>
</tr>
<tr>
<td>Filter Access:</td>
<td>SIDE LOAD THROUGH HINGED DOOR FOR EASY ACCESS</td>
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<tr>
<td>Motor:</td>
<td>SINGLE SPEED, 5 HP, 3-PH, 208-230/460V, 60 Hz, TEFC MOTOR 1740 RPM MAXIMUM 7.5 HP MOTOR OPTION FOR HIGH STATIC APPLICATIONS</td>
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<tr>
<td>Blower:</td>
<td>15-11 FORWARD INCLINED BLOWER</td>
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<tr>
<td>Air Volume:</td>
<td>3,000 CFM—CONSULT BLOWER CURVES FOR SPECIFIC CONFIGURATIONS</td>
</tr>
<tr>
<td>Electrical:</td>
<td>208-230/460 VOLT, 3-PHASE, 60 Hz ELECTRICAL 18.9 FLA, 208V / 14.4 FLA, 230V / 7.2 FLA 460V UNIT ON/OFF CIRCUIT IS 120 VAC AND REQUIRES AN SPST SWITCH RATED FOR 120VAC @ ONE AMP MINIMUM TO COMPLETE INSTALLATION. OPTIONAL REMOTE SWITCH AVAILABLE MOTOR STARTER AND OVERLOAD RELAY STANDARD</td>
</tr>
<tr>
<td>Noise level:</td>
<td>76 DBA MEASURED 6’ FROM THE EXHAUST GRILLE</td>
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<tr>
<td>Silencer:</td>
<td>BUILT IN SILENCER PLENUM—STANDARD</td>
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</table>

Specifications subject to change without notice.

How It works
Roto-Pulse Filter Cleaning System

Roto-Pulse provides for a much better cleaning of the cartridges. The air is pulsed into a specially designed aluminum rotating tube with pre-drilled holes. As the air enters this tube, the force of the pulse causes the tube to rotate. While spinning, air exits the pre-drilled holes. The result is that air hits all of the inside of the cartridge, pulsing dirt particles away from the filter for a much more efficient cleaning cycle.

Sold and Serviced by:

MICRO AIR CLEAN AIR SYSTEMS
PO BOX 1138
WICHITA KS 67201

WWW.MICROAIRONLINE.COM

Toll Free: 866-566-4276
Phone: 316-946-5875
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