



BREATHE EASY...Solutions for Clean, Safe Air

Model MC3000

Specifications and Technical Data

Specifications



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 Dusts

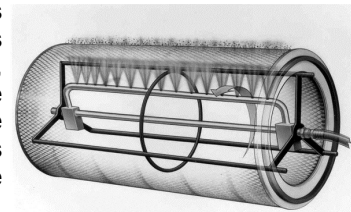
Sold and Serviced by:

Overall Dimensions	36" H X 42" WX 56" L
Weight:	950 LBS.
Cabinet	14 GAUGE WELDED GALVANEALD STEEL WITH EXTERIOR SURFACES GROUND SMOOTH
Finish	INDUSTRIAL GRADE TEXTURED, BAKED CRIMSON RED ENAMEL PAINT INSIDE AND OUT
Pre-Filter	32.5" X 29.5" X 2" SPARK RESISTANT WIRE MESH PRE-FILTER
Filtration	FOUR EA. HIGH EFFICIENCY, FIRE RETARDANT CARTRIDGES EACH FILTER HAS 291 SF OF MEDIA, 1,164 SF TOTAL MEDIA
Cartridge Cleaning System	ROTO-PULSE® UNIQUE IROTATING 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.
Filter Change Indicator	MAGNAHELIC GAUGE
Filter Access	SIDE LOAD THROUGH HINGED DOOR FOR EASY ACCESS
Motor	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
Blower	15-11 FORWARD INCLINED BLOWER
Air Volume	3,000 CFM—CONSULT BLOWER CURVES FOR SPECIFIC CONFIGURATIONS
Electrical	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
Noise level	76 DBA MEASURED 6' FROM THE EXHAUST GRILLE
Silencer	BUILT IN SILENCER PLENUM—STANDARD

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.



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