

Model MC3000 Specifications and Technical Data

TYPICAL APPLICATIONS

Ambient or Source Capture of:

- Welding Smoke and Fumes
- Grinding Dust
- Powders
- Other Dry Dusts

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

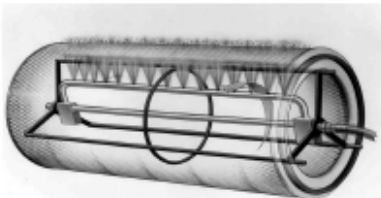
Options:

- Hopper or Dust Tray
- Silencer.
- Optional Inlet Plenum.
- Optional After Filter Module To Allow Use of HEPA's and/or Carbon Modules.
- Variety of Cartridge Filters.
- 7 1/2 HP Motor.
- Remote On/Off Switch Kit(NEMA-1)



How It works
RotoPulse 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.



Specifications

OVERALL DIMENSIONS: 36" H X 42" W X 88" 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.

PREFILTER: 32 1/2" X 29 1/2" X 2" SPARK RESISTANT WIRE MESH PREFILTER.
FILTRATION: FOUR EACH, HIGH EFFICIENCY FIRE RETARDANT CARTRIDGES PER MODULE. EACH FILTER HAS 291 SQ. FT. OF MEDIA, 1,164 SQ. FT. TOTAL.

ROTO-PULSE CLEANING SYSTEM: UNIQUE ROTATING TUBE WITH PRE-DRILLED HOLES. AS AIR IS PULSED INTO THE TUBE, IT ROTATES AND AIR EXITES THE PRE-DRILLED HOLES. THIS COMBINATION PROVIDES A HIGHLY EFFICIENT AND TOTAL CLEANING OF THE CARTRIDGE.

FILTER ACCESS: SIDE LOAD THROUGH HINGED DOOR FOR EASY ACCESS.

MOTOR: SINGLE SPEED, 5HP, 3-PHASE, 208/230/480V, 60 HZ. TEFC MOTOR, 1740 RPM. MAXIMUM 14.4 AMPS(7.2 AMPS 480V). 7 1/2 HP MOTOR OPTION ALSO AVAILABLE FOR HIGH STATIC APPLICATIONS.

BLOWER: 15-11 FORWARD INCLINED BLOWER.

AIR VOLUME: 3000 CFM - CONSULT BLOWER CURVES FOR SPECIFIC CONFIGURATIONS

FILTER CHANGE INDICATOR: MAGNAHELIC GAUGE OPTIONAL.

ELECTRICAL: 208-230/480 VOLT, 3-PHASE, 60 HZ. MAXIMUM 15.9/14.4/7.2 AMPS. UNIT ON/OFF CIRCUIT IS 120 VAC AND REQUIRES A SPST SWITCH RATED FOR 120 VAC AT ONE AMP MINIMUM TO COMPLETE INSTALLATION. OPTIONAL REMOTE SWITCH AVAILABLE FROM FACTORY. MOTOR STARTER AND OVERLOAD RELAY EQUIPPED STANDARD.

NOISE LEVEL: 76 DBA MEASURED 6' FROM THE EXHAUST GRILLE.

SILENCER: BUILT IN SILENCER PLENUM.

Specifications subject to change without notice.

(10-09) MC 3000 AIR CLEANER