



**Clean. Easy. RED.**

# Model MC3000

## Specifications and Technical Data

### TYPICAL APPLICATIONS

#### Ambient or Source Capture of:

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

### Features:

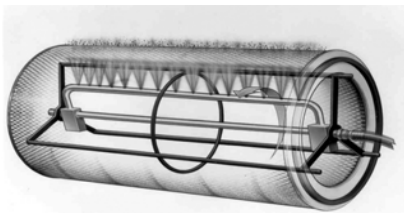
- Revolutionary Roto-Pulse Filter Cleaning Systems
- High Capacity Allows for Multiple Drops Without a Loss In CFM
- Modular Design
- Built-In Silencer Plenum
- Hinged Door for Easy Filter Access
- Motor Starter/Overload Relay Standard
- After Pulse Cleaning Standard



### 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.



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Specifications subject to change without notice.

### 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)

### Specifications

**OVERALL DIMENSIONS:** 36" H X 42" W X 86" 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, 208/230/460V, 60 HZ, TEFC MOTOR, 1740 RPM. MAXIMUM 14.4 AMPS(7.2 AMPS 460V). 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:** 208-230/460 VOLT, 3-PHASE, 60 HZ. MAXIMUM 15.9/14.7/2 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.

**Sold and Serviced by:**

L2242-02/05