

<b>PROJECT:</b>
<b>LOCATION:</b>
<b>ARCHITECT:</b>
<b>ENGINEER:</b>
<b>CONTRACTOR:</b>
<b>SUBMITTED BY:</b>
<b>DATE:</b>

<b>SPECIAL NOTES:</b>

# SPECIFICATIONS-MODEL MC 2500

**Overall Dimensions:** One filter module - 20" h x 36" w x 68" l  
 Two filter modules - 20" h x 36" w x 104" l

**Blower Module Weight:** 280 lbs.

**Filter Module Weight:** 220 lbs.

**Arm Weight:** 6" fixed arm - 44 lbs. (8'); 47 lbs. (10'); 52 lbs. (14')  
 6" powered arm - 56 lbs. (8'); 59 lbs. (10'); 64 lbs. (14')  
 8" fixed arm - 56 lbs. (8'); 61 lbs. (10'); 68 lbs. (14')  
 8" powered arm - 68 lbs. (8'); 73 lbs. (10'); 80 lbs. (14')

**Cabinet:** 16-gauge welded steel with exterior surface ground smooth.

Structure is reinforced with 16-gauge, 1" square steel tubing throughout.

**Finish:** Industrial grade crimson red textured baked enamel, inside and outside.

**Filters:** High efficiency, flame retardant cartridges, two per module.

Each cartridge has 214 square feet of media material. Finger grip handles for easy removal.

**Filter Cleaning:** Automatic, self-cleaning, Roto-Pulse™ system. Uses 80-100 PSI of shop air.

**Cleaning Frequency:** Timer is variable to be set by end-user. Timer does pulse unit after blower has stopped turning.

**Air Consumption:** 1.0 SCF at 80 PSI per second of pulse. Factory set at 2.7 SCFM.

**Roto-Pulse™ Cleaning System:** Unique rotating tube with pre-drilled holes. As air is pulsed into the tube, it rotates and air exits the pre-drilled holes. This combination provides a highly efficient and total cleaning of the cartridge.

**Filter Access:** End load through hinged door for easy access.

**Spark/Dust Tray:** Two each dust holding trays per module.

**Air Flow:** Through arms, through filter modules and out side of blower module.

**Arm Assembly:** Two galvaneal steel tubes connected via flex hose and two external supports at the middle joint. Cable protection system is standard to protect power cable.

**Arm Diameter:** 6" or 8".

**Arm Length:** 8', 10', 14'.

**Capture Hood:** Twenty-four gauge steel with 50-watt halogen light standard. Mesh guard prevents large objects from entering the arm.

**Controls:** All controls mounted on hood for easy operation.

**Motor:** Single speed, 5 hp, 208/230/460, three-phase, 60 Hz, TEFC motor. Dual shaft, 3450 rpm, 150 amps.

**Impeller:** 12.5 inch diameter, backward inclined, high air flow wheel. One or two used depending in number of filter modules.

**Air Volume:** 650 CFM per 6" arm,\*  
 1200 CFM per 8" arm.\*

\*Nominal CFM rating. consult factory for more information.

**Electrical:** 208/230/460 volt, three-phase, 60 Hz. Maximum 15.0/7.5 amps.

Unit on/off and light on/off switches are 12/24 VAC for operator safety.

**Motor starter:** Standard.

**Noise Level:** 75 DBA at 6' from exit grille.

