

Model MC1500 Specifications and Technical Data

TYPICAL APPLICATIONS

Source Capture Of:

- Heavy Production Welding Smoke and Fumes
- Heavy Grinding Dust

Features:

- Revolutionary Roto-Pulse Filter Cleaning Systems
- Externally Supported Arms
- Dual Arm Capability
- Vortex Air Flow Pattern
- Quiet Operation
- Hood Mounted Controls
- Lighted Swivel Hood for Improved Visibility
- Positive Sealing Cabinet and Door
- Full Range of Options

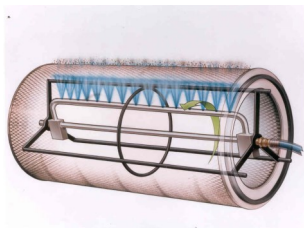
Options:

- Automatic After-Pulse.
- Optional HEPA and Carbon Module.
- Big Wheel Kit.
- Dual Arms (6" Dia. Arms Only).
- Variety of Cartridge Filters.



HOW IT WORKS Roto-pulse Cleaning System

Air is pulsed into a specially designed stainless steel 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 **the entire inside of the cartridge**, pulsing dirt particles away from the filter for an efficient cleaning cycle.



Specifications

OVERALL DIMENSIONS: 48" H X 36 1/2" W X 35" L

WEIGHT: 475 LBS

CABINET: 16 GAUGE WELDED GALVANEALD STEEL WITH EXTERIOR SURFACES GROUND SMOOTH.

FINISH: INDUSTRIAL GRADE TEXTURED BAKED CRIMSON RED ENAMEL PAINT INSIDE AND OUT.

FILTRATION: TWO EACH, HIGH EFFICIENCY FIRE RETARDANT CARTRIDGES. EACH FILTER HAS 174 SQ. FT. OF MEDIA, 348 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 EXITS 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.

ARM OPTIONS: 6" AND 8" DIAMETER, 7' OR 9' LENGTH. SINGLE OR DUAL ARM CAPABILITY. HALOGEN LIGHT IN HOOD STANDARD.

MOTOR: SINGLE SPEED, 5HP, 3-PHASE, 208/230/460V, 60 HZ, TEFC MOTOR, MAXIMUM 14.0 AMPS(7.0 AMPS 460V).

BLOWER: 14" DIAMETER, BACKWARD INCLINED IMPELLER WHEEL.

AIR VOLUME: 1500 CFM NOMINAL, DEPENDING ON OPTIONS SELECTED. CONSULT BLOWER CURVES FOR DETAILS.

FILTER CHANGE INDICATOR: MAGNAHELIC GAUGE.

ELECTRICAL: 230/460 VOLT, 3-PHASE ELECTRICAL PLUG INCLUDED WITH 10 FOOT POWER CORD. CONTROL CORD FOR LIGHT IN HOOD MOUNTS FLUSH TO TOP OF CABINET. UNIT ON/OFF SWITCHES OPERATE AT 12/24 VAC FOR OPERATOR SAFETY.

NOISE LEVEL: 79 DBA MEASURED 6' FROM THE EXHAUST GRILLE.

CONTROLS: HOOD MOUNTED, MOTOR/BLOWER ON/OFF SWITCH AND LIGHT ON/OFF SWITCH, CARTRIDGE BACKFLUSH TOGGLE VALVE MOUNTED ON FRONT OF CABINET FOR EASY ACCESS AND PROTECTION FROM BREAKING.

CASTERS: HEAVY DUTY CASTERS, TWO SWIVEL AND TWO FIXED.