

# Model MC2500

## Specifications and Technical

### Specifications



### Features:

- Revolutionary Roto-Pulse Filter Cleaning Systems
- Externally Supported Arms For Easy Adjustment
- Modular Design-One or Two Modules, Up To Four Arms
- Up to 1200 CFM Per Arm
- Quiet Operation
- TEFC Motor
- Fire Retardant Cartridge Filters
- Vortex Air Flow Pattern

### Options:

- Silencer.
- Optional HEPA and / or Carbon Module.Afterfilter
- Variety of Cartridge Filter Options.
- Single or Dual Filter Modules
- Single 8" dia. Arm or Dual 6" Dia. Arms per Filter Module

### TYPICAL APPLICATIONS

#### Source Capture Of:

- Welding Smoke and Fumes
- Cutting Smoke and Fumes
- Grinding Dust
- Sanding Dust
- Particulate Generated in Filling / Mixing Process
- Other Dry Powders or Dusts
- Odor Control

**Sold and Serviced by:**

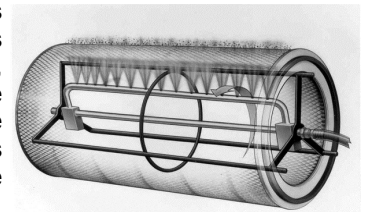
Overall Dimensions	ONE FILTER MODULE - 20"H X 36" W X 68" L TWO FILTER MODULES - 20" H X 36" W X 104" L
Weight:	500 LBS (SINGLE FILTER MODULE) 720 LBS. (DUAL FILTER MODULE) CONSULT FACTORY FOR ARM WEIGHTS
Cabinet	16 GAUGE WELDED GALVANEAELED STEEL WITH EXTERIOR SURFACES GROUND SMOOTH
Finish	INDUSTRIAL GRADE TEXTURED, BAKED CRIMSON RED ENAMEL PAINT INSIDE AND OUT
Filtration	2 EACH HIGH EFFICIENCY FIRE RETARDANT CARTRIDGES PER MODULE, 174 SF MEDIA EA, SINGLE MODULE = 348 SF MEDIA TOTAL DUAL MODULE = 696 SF MEDIA TOTAL
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	END LOAD THROUGH HINGED DOOR FOR EASY ACCESS
Arm Options	6" AND 8" DIAMETER, 7', 9', OR 12' LENGTHS 8" DIA. SINGLE ARM OR 6" DIA. DUAL ARM OPTIONS HALOGEN LIGHT IN HOOD STANDARD. FULL 360 DEGREE ROTATION AT BASE.
Motor	SINGLE SPEED, 5 HP, 3-PH, 208/230/460V, 60 HZ, TEFC MOTOR DUAL SHAFT WHEN DUAL FILTER MODULES ARE ORDERED
Blower	12.5" DIAMETER BACKWARD INCLINED IMPELLER WHEEL (S)
Air Volume	650 CFM PER 6" ARM, 1200 CFM PER 8" ARM, NOMINALLY RATED. CONSULT BLOWER CURVES FOR DETAILS.
Electrical	208-230/460 VOLT, 3-PHASE, 60 HZ ELECTRICAL UNIT ON/OFF SWITCHES & LIGHT ON/OFF SWITCHES OPERATE AT 12/24 VAC FOR OPERATOR SAFETY. MOTOR STARTER AND OVERLOAD RELAY EQUIPPED STANDARD. FLA 15.0 (208/230V) / FLA 7.5 (460V)
Noise level	75 DBA MEASURED 6' FROM THE EXHAUST GRILLE
Controls	ALL CONTROLS HOOD MOUNTED FOR EASE OF OPERATION

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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