



**BREATHE EASY...Solutions for Clean, Safe Air**

# MC2500

## Specifications and Technical Data

### TYPICAL APPLICATIONS:

#### SOURCE CAPTURE OF:

- WELD SMOKE AND FUMES
- CUTTING SMOKE AND FUMES
- GRINDING DUST
- SANDING DUST
- PARTICULATE GENERATED IN FILLING / MIXING PROCESS
- OTHER DRY POWDERS OR DUSTS
- ODOR CONTROL



### STANDARD FEATURES:

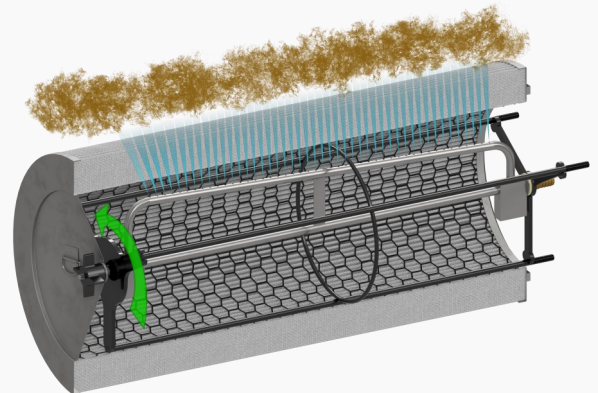
- REVOLUTIONARY ROTO-PULSE® FILTER CLEANING SYSTEM
- EXTERNALLY SUPPORTED ARMS FOR EASY ADJUSTMENT
- MODULAR DESIGN—ONE OR TWO FILTER MODULES, UP TO FOUR ARMS
- UP TO 1,200 CFM PER 8" ARM
- QUIET OPERATION
- TEFC MOTOR
- FIRE RETARDANT CARTRIDGE FILTERS

### 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

### HOW IT WORKS:

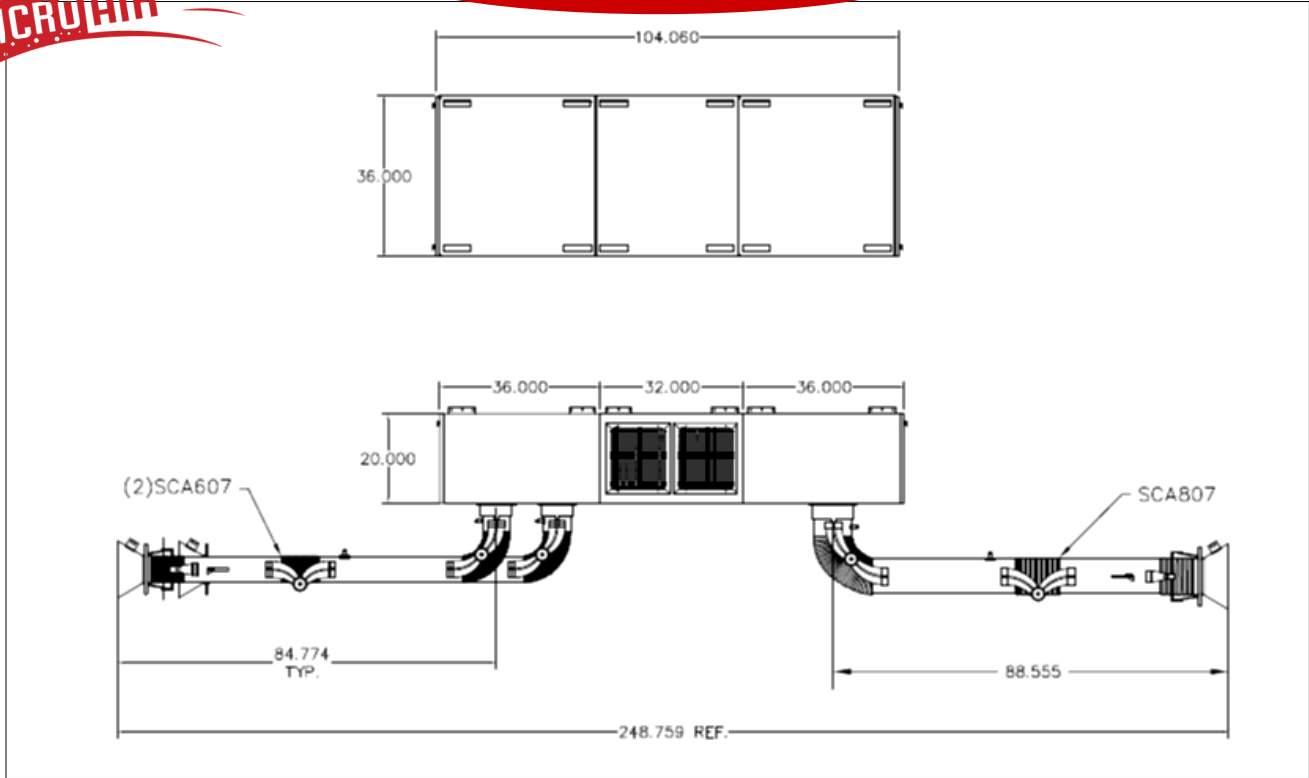
**Roto-Pulse** provides for a much better cleaning of the cartridge filters. The air is pulsed into a specially designed aluminum, rotating tube, designed with pre-drilled holes. As the air enters this tube, the force of the pulse causes the tube to rotate inside the cartridge. While rotating, air exits the pre-drilled holes, effectively cleaning the entire length of the cartridge filter, resulting in a more efficient cleaning cycle and extended filter life.



L2241-MC2500-09/21



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## MC2500 SPECIFICATIONS:

<p><b>OVERALL DIMENSIONS:</b>          ONE FILTER MODULE: 20" H X 36" W X 68" L          TWO FILTER MODULES: 20" H X 36" W X 104" L</p> <p><b>WEIGHT:</b>          *500LBS ACTUAL WEIGHT (SINGLE FILTER MODULE)          *720 LBS ACTUAL WEIGHT ( DUAL FILTER MODULE)          *WEIGHT VARIES DEPENDING UPON OPTIONS SELECTED          CONSULT FACTORY FOR ARM WEIGHTS</p> <p><b>CABINET:</b>          HEAVY DUTY 16 GA. WELDED GALVANEAL STEEL W/EXTERIOR SURFACES GROUND SMOOTH</p> <p><b>FINISH:</b>          INDUSTRIAL GRADE TEXTURED BAKED CRIMSON RED ENAMEL PAINT—INSIDE AND OUT</p> <p><b>FILTRATION OPTIONS:</b>          TWO EA HIGH EFFICIENCY, FIRE-RETARDANT CARTRIDGE FILTERS PER FILTER MODULE FOR UP TO 696 SF MEDIA. FILTER OPTIONS INCLUDE:          80/20 POLY/CELLULOSE BLEND          100% SPUNBOND          TREATED SPUNBOND          NANO-FIBER</p> <p><b>CARTRIDGE CLEANING SYSTEM:</b>          ROTO-PULSE® UNIQUE ROTATING TUBE WITH PRE-DRILLED HOLES. AS AIR IS PULSED INTO THE TUBE, IT ROTATES AND AIR EXITS THE PRE-DRILLED HOLES, PROVIDING A HIGLY EFFICIENT AND TOTAL CLEANING OF THE CARTRIDGE FILTER.</p> <p><b>FILTER CHANGE INDICATOR:</b>          MAGNEHELIC GAUGE</p> <p><b>FILTER ACCESS:</b>          END LOAD THROUGH HINGED DOOR FOR EASY ACCESS</p> <p>Specifications subject to change without notification</p>	<p><b>ARM OPTIONS:</b>          6" AND 8" DIAMATER, 7', 9' OR 12' LENGTHS,          8" DIA. SINGLE ARM PER MODULE OR DUAL 6" DIA . ARMS PER MODULE HALOGEN LIGHT IN HOOD STANDARD. FULL 360 DEGREE ROTATION AT BASE.</p> <p><b>NOISE LEVEL:</b>          75 dBA @ 6" FROM EXHAUST</p> <p><b>INLET / EXHAUST:</b>          INLET AT HOOD OF SOURCE CAPTURE ARM / EXHAUST OUT FRONT OF UNIT</p> <p><b>MOTOR OPTIONS:</b>          SINGLE SPEED, 5 HP, 208-230/460 V, 60 HZ, 3 PAHSE, TEFC MOTOR          DUAL SHAFT MOTOR INCLUDED WITH DUAL FILTER MODULE SYSTEM</p> <p><b>BLOWER:</b>          12.6" DIA. BACKWARD INCLINED IMPELLER WHEEL (S)</p> <p><b>ELECTRICAL</b>          208-230/460 V, 3-PHASE, 60 HZ ELECTRICAL          UNIT ON/OFF SWITCHES &amp; LIGHT ON/OFF SWITCHES OPERATE AT 12/24 VAC FOR OPERATOR SAFETY AND ARE LOCATED AT ARM HOOD          MOTOR STARTER AND OVERLOAD RELAY EQUIPPED STANDARD</p> <p><b>MAX CURRENT</b>          208/230V: 15.0 FLA          460V: 7.5 FLA</p> <p><b>AIR VOLUME:</b>          650 CFM PER 6" DIA ARM          1200 CFM PER 8" DIA ARM          NOMINALLY RATED—CONSULT BLOWER CURVES FOR DETAILS</p> <p><b>CONTROLS:</b>          ALL CONTROLS HOOD MOUNTED FOR EASE OF OPERATION          REMOTE MOUNT SWITCHES &amp; WIRE EXTENSIONS AVAILABLE—OPTIONAL</p>
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