



BREATHE EASY...Solutions for Clean, Safe Air

MICRO AIR RP4 DUST COLLECTOR

Specifications and Technical Data

TYPICAL APPLICATIONS:

- WELD SMOKE AND FUMES
- GRINDING / POLISHING DUST
- POWDERS
- BLASTING OPERATION
- SMOKE & FUMES FROM LASER/PLASMA CUTTING



STANDARD FEATURES:

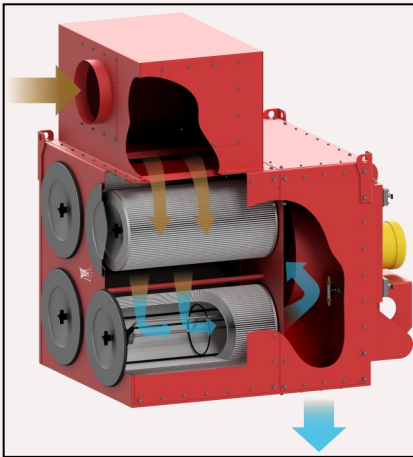
- REVOLUTIONARY ROTO-PULSE® FILTER CLEANING SYSTEMS
- LARGE CAPACITY DUST DRAWER OR HOPPER
- BUILT-IN PLUG FANS, 1000-5000 CFM
- MOTOR STARTER/OVERLOAD PROTECTION STANDARD
- AFTER PULSE CLEANING CYCLE STANDARD
- HEAVY DUTY CONSTRUCTION
- FULL RANGE OF OPTIONS

OPTIONS:

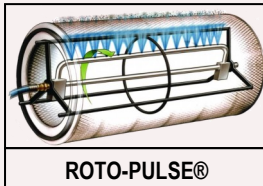
- HOPPER SETUP WITH LONG LEGS AND BARREL LID KIT.
- INLET PLENUM
- LOW PROFILE UNIT WITH DUST DRAWERS.
- SILENCER.
- HEPA AFTERFILTER.
- VARIETY OF CARTRIDGE FILTERS.
- 5HP, 7 1/2HP OR 10HP MOTORS.
- MAGNAHELIC OR PHOTOHELIC GAUGES.
- INTELLI-TOUCH ENERGY SAVING CONTROLS
- EXPLOSION VENTS, BACKBLAST DAMPERS, OSHA/NFPA COMBUSTIBLE DUST COMPLIANCE

HOW IT WORKS:

Contaminated air is pulled into the inlet plenum at the top of the RP4 Cabinet, then travels down through the cartridge filter section, where the contaminant is filtered and dropped into the hopper or dust drawer. Breathe Easy, clean safe air is exhausted out the bottom of the unit. Cartridge cleaning is accomplished with Micro Air's proprietary Roto-Pulse® cleaning system, where air is pulsed



into a specially designed stainless steel, rotating tube, engineered with pre-drilled holes. As the air enters this tube, the force of the pulse causes the tube to rotate incrementally inside the cartridge. While rotating, air exits the pre-drilled holes, resulting



ROTO-PULSE®

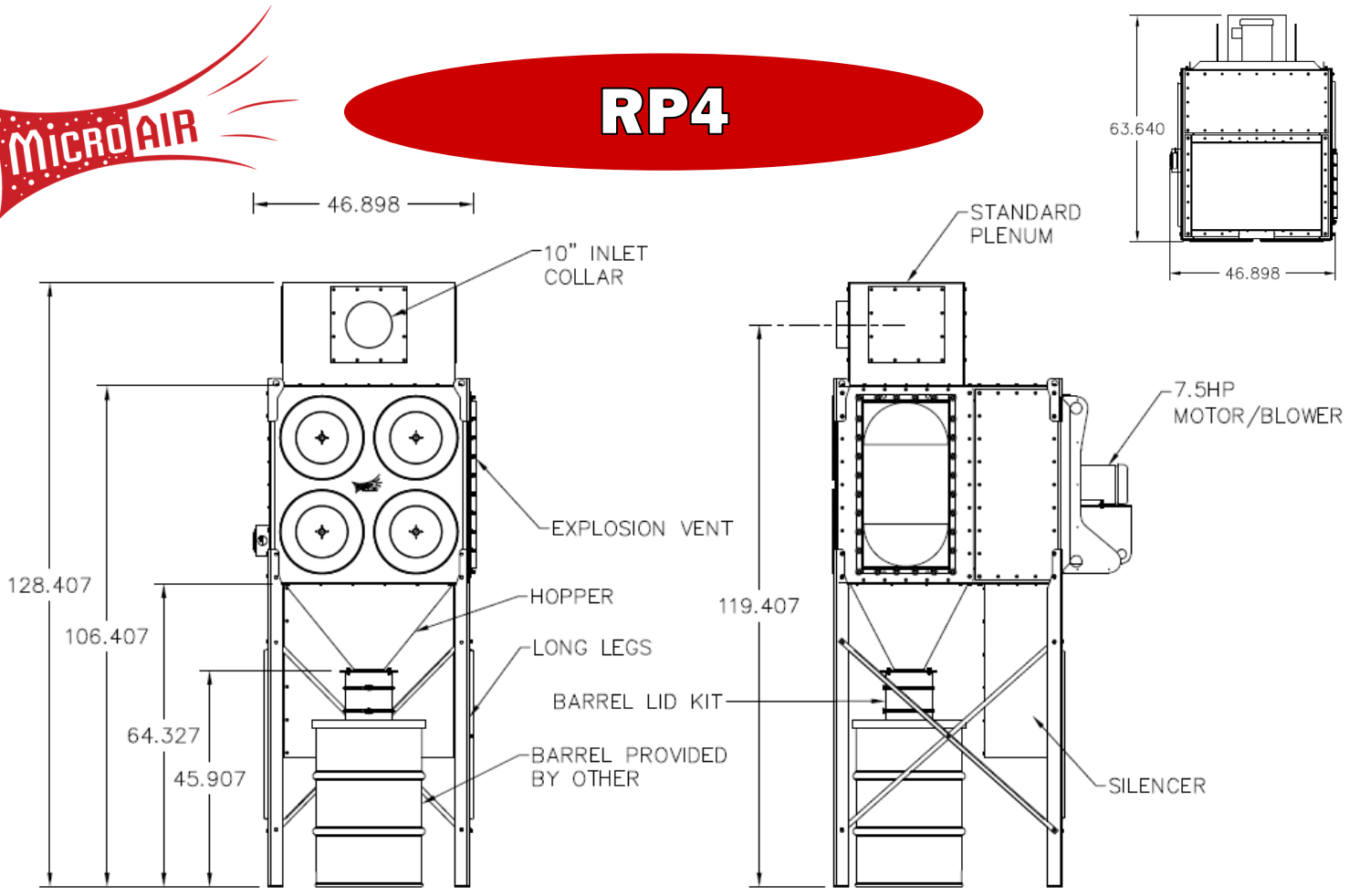


RP4 Ducted to Hoods Over Mixing Processes

in air dispersement over the entire surface of the cartridge, providing for an improved cartridge cleaning cycle, compared to competitive backflush cleaning systems.



RP4



RP4 EQUIPPED WITH LONG LEGS/HOPPER—XP VENT—INLET PLENUM W/10" COLLAR—SILENCER—BARREL LID

RP4 SPECIFICATIONS:

OVERALL DIMENSIONS:

129" H X 42" W X 64" D WITH LONG LEGS/HOPPER & INLET PLENUM
 81" H X 42" W X 64" D WITH SHORT LEGS/DUST TRAY & INLET PLENUM

WEIGHT:

*1,315 LBS ACTUAL WEIGHT
 *1,500 LBS SHIPPING WEIGHT
 *WEIGHT VARIES DEPENDING ON OPTIONS SELECTED

CABINET:

HEAVY DUTY 14 GAUGE GALVANEAL STEEL WITH EXTERIOR SURFACES GROUND SMOOTH

FINISH:

INDUSTRIAL GRADE CRIMSON RED, TEXTURED BAKED ENAMEL PAINT IN SIDE AND OUT. OPTIONAL EPOXY COAT INSIDE & OUT AVAILABLE

FILTER ACCESS:

EASY FRONT ACCESS THROUGH FILTER CAPS

MOTOR

SINGLE SPEED, 5 HP, 3 PHASE, 230/460V, 60 HZ, PREMIUM EFFICIENCY, TEFC MOTOR. OPTIONAL 7.5 HP, 10 HP AVAILABLE

BLOWER:

DIRECT DRIVE, HIGH STATIC, BACKWARD INCLINED PLUG FAN

AIR VOLUME:

1,000—5,000 CFM PER MODULE—CONSULT FAN CURVES FOR SPECIFICS

FILTER CHANGE INDICATOR:

MAGNEHELIC GAUGE OR PHOTOHELIC GAUGE

FILTRATION:

FOUR EA. HIGH EFFICIENCY, 80/20 BLEND, FIRE-RETARDANT CARTRIDGE FILTERS, 250 SF MEDIA PER FILTER, 1,000 SF TOTAL MEDIA
 *MULTIPLE CARTRIDGE MEDIA OPTIONS AVAILABLE

CONTROLS:

FULL ELECTRICAL CONTROLS STANDARD

INLET / EXHAUST:

OPTIONAL INLET PLENUM WITH THREE EA. 14" X 14" OPENINGS
 EXHAUST - OUT BOTTOM OF UNIT

MAX CURRENT

5 HP, 230/460V—12.8 / 6.4 AMP
 7.5 HP, 230/460V—19.0 / 9.5 AMP
 10 HP, 230/460V—24.6 / 12.3 AMP

NOISE LEVELS:

DEPENDENT UPON OPTIONS SELECTED—CONSULT FACTORY

WIND LOAD RATING:

100 MPH

CABINET PRESSURE RATING:

+/- 20 INCHES WC

COLLECTION OPTIONS:

HOPPER WITH 10" DIA COLLAR OR DUST TRAY

COMPRESSED AIR:

REQUIRES 80—90 PSI CLEAN, DRY AIR & MINIMUM 3/4" AIR LINE

CARTRIDGE CLEANING SYSTEM:

ROTO-PULSE® INCREMENTAL ROTATING 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

OFF-LINE CARTRIDGE CLEANING:

STANDARD EQUIPMENT DESIGNED TO CLEAN FILTERS AFTER UNIT IS TURNED OFF FOR OPTIMAL OFF-LINE CARTRIDGE CLEANING. TIMER CAN BE ADJUSTED BETWEEN 0 AND 17 MINUTES

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE