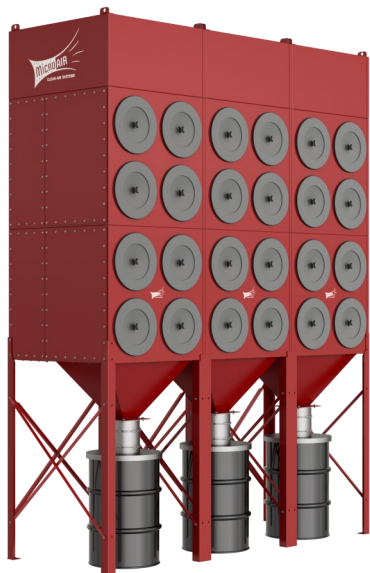


# MICRO AIR RP8-3 DUST COLLECTOR

## Specifications and Technical Data

### TYPICAL APPLICATIONS:

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



### STANDARD FEATURES:

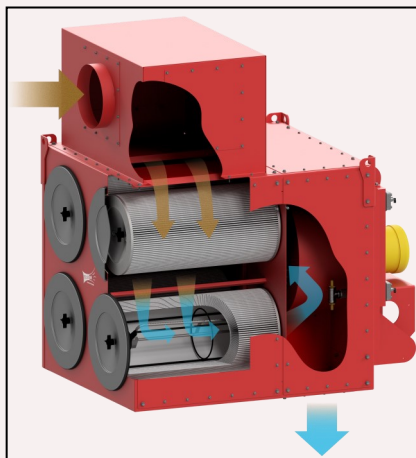
- REVOLUTIONARY ROTO-PULSE® FILTER CLEANING SYSTEMS
- TOP MOUNT OR REMOTE MOUNT FANS
- LARGE CAPACITY DUST DRAWER OR HOPPER
- MOTOR STARTER/OVERLOAD PROTECTION STANDARD CONTROL PACKAGE
- AFTER PULSE CLEANING CYCLE STANDARD
- HEAVY DUTY CONSTRUCTION
- FULL RANGE OF OPTIONS
- RATED FOR INDOOR AND/OR OUTDOOR INSTALLATION
- BEST INDUSTRY WARRANTY

### OPTIONS:

- HOPPER SETUP WITH LONG LEGS AND BARREL LID KIT.
- LOW PROFILE UNIT WITH DUST DRAWERS.
- INLET PLENUM
- SILENCER.
- HEPA AFTERFILTER.
- VARIETY OF CARTRIDGE FILTER OPTIONS.
- TOP MOUNT / REMOTE MOUNT FANS SIZED FOR SPECIFIC APPLICATIONS
- MAGNAHELIC OR PHOTOHELIC GAUGES.
- DROP-OUT MODULES FOR HEAVY PARTICULATE
- INTELLI-TOUCH ENERGY SAVING CONTROLS
- EXPLOSION VENTS, BACKBLAST DAMPERS, OSHA/NFPA COMBUSTIBLE DUST COMPLIANCE PACKAGE
- SPARK ARRESTORS

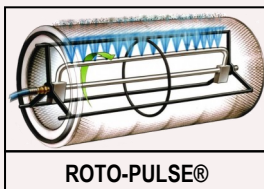
### HOW IT WORKS:

Contaminated air is pulled into the inlet plenum at the top of the RP8-3 Cabinet, then travels down through the cartridge



filter sections, 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 in air dispersement over



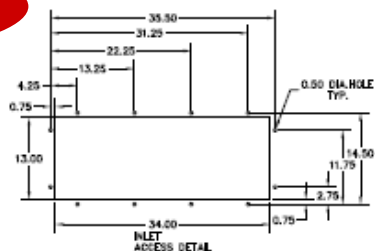
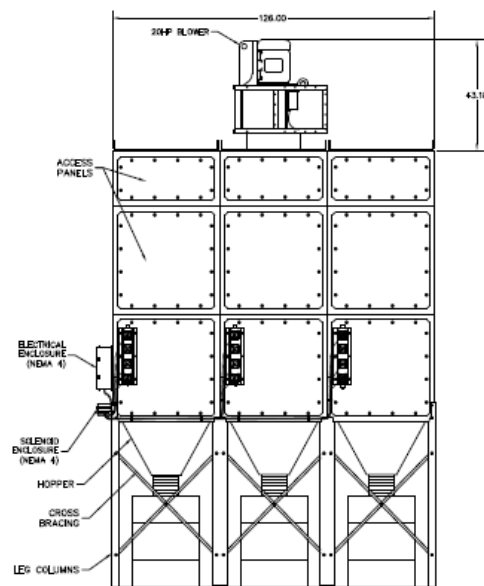
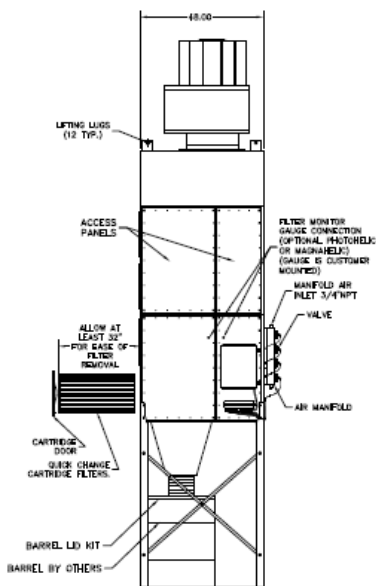
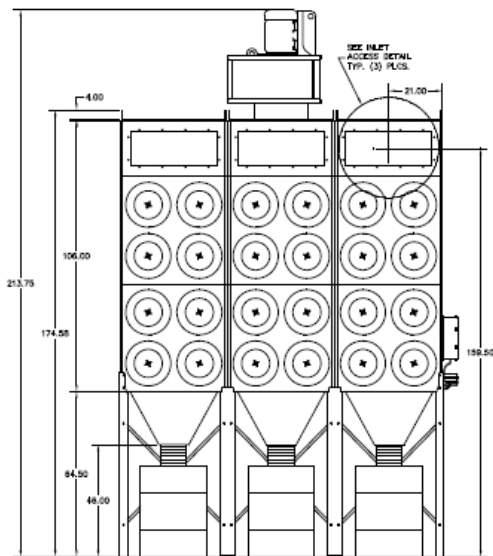
### RP8-3 with Top Mount Fans & Intelli-Touch Controls, Ducted to Source Capture Arms in an Iowa Vo-Tech School

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

L2611-RP8-3-05/22



# RP8-3



## RP8-3 TOP MOUNT FAN—LONG LEGS / HOPPER

### RP8-3 SPECIFICATIONS:

#### OVERALL DIMENSIONS:

175" H X 126" W X 48" D WITH LONG LEGS/HOPPER & INLET PLENUM  
126" H X 126" W X 48" D WITH SHORT LEGS/DUST TRAY & INLET PLENUM

#### WEIGHT:

\*4,647 LBS APPROXIMATE  
\*4,872 LBS SHIPPING WEIGHT (APROX)  
\*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

#### FAN—MOTOR/BLOWER OPTIONS:

VARIOUS SIZES AVAILABLE IN TOP MOUNT, OR REMOTE MOUNT  
CONFIGURATIONS—SIZED PER APPLICATION SPECIFICATIONS

#### AIR VOLUME:

TYPICALLY 5,000—30,000 CFM  
BASED ON SPECIFIC APPLICATION REQUIREMENTS

#### FILTER CHANGE INDICATOR:

MAGNEHELIC GAUGE OR PHOTOHELIC GAUGE

#### FILTRATION:

TWENTY FOUR EA. HIGH EFFICIENCY, 80/20 BLEND, FIRE-RETARDANT  
CARTRIDGE FILTERS, 250 SF MEDIA PER FILTER, 6,000 SF TOTAL MEDIA  
\*MULTIPLE CARTRIDGE MEDIA OPTIONS AVAILABLE

#### CONTROLS:

SOLID STATE TIMER BOARD, FACTORY WIRED AND INSTALLED—FULL  
CONTROL PACKAGE AVAILABLE AS AN OPTION  
INTELLI-TOUCH ENERGY SAVINGS CONTROLS—OPTION

#### INLET / EXHAUST:

INLET PLENUM FOR TOP MOUNT OR REMOTE MOUNT FANS  
EXHAUST - OUT BOTTOM OF UNIT

#### MAX CURRENT

10 HP, 230/460V—24.6 / 12.3 AMP  
15 HP, 230/460V—35.0 / 17.5 AMP  
20 HP, 230/460V—47.0 / 23.5 AMP  
30 HP, 230/160V—69.0 / 34.5 AMP

#### NOISE LEVELS:

DEPENDENT UPON OPTIONS SELECTED—CONSULT FACTORY

#### WIND LOAD RATING:

100 MPH

#### CABINET PRESSURE RATING:

+/- 20 INCHES WC

#### COLLECTION OPTIONS:

3 EA. HOPPERS WITH 10" DIA COLLAR OR 3 EA. DUST TRAYS

#### 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