



BREATHE EASY...Solutions for Clean, Safe Air

MICRO AIR TM1000 Specifications and Technical Data

TYPICAL APPLICATIONS: Source Capture of:

- WELD SMOKE AND FUMES
- GRINDING DUST
- PARTICULATE FROM BUFFING/POLISHING
- DRY PARTICULATE



STANDARD FEATURES:

- DUAL SELF-CLEANING CARTRIDGES
- HIGH CAPACITY CLEANING
- COMPACT DESIGN
- WIDE RANGE OF FILTER OPTIONS
- LOW POWER REQUIREMENTS
120V, SINGLE PHASE
- IMPROVED SOURCE CAPTURE ARM—
DESIGNED FOR EASE OF MOVEMENT, LESS
RESTRICTION AND POWERFUL COLLECTION
AT THE SOURCE
- ROTO-PULSE® CARTRIDGE CLEANING
SYSTEM

OPTIONS:

- BROAD CHOICE OF ATTACHMENTS TO ADAPT
TO ANY APPLICATION OR PROCESS
- 2 HP, 208/230 V, 3 PHASE MOTOR
- 2 HP, 460V, 3 PHASE MOTOR
- AUTO-PULSE CARTRIDGE CLEANING
- 99.97% HEPA AFTER-FILTER
- REFILLABLE CHARCOAL MODULE
- MULTIPLE ARM DIAMETER / LENGTH COMBI-
NATIONS
- BIG WHEEL KIT (REQUIRED WITH 8" x 9' ARM
OPTION)

HOW IT WORKS:

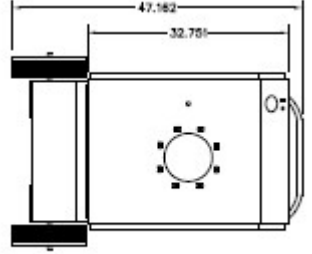
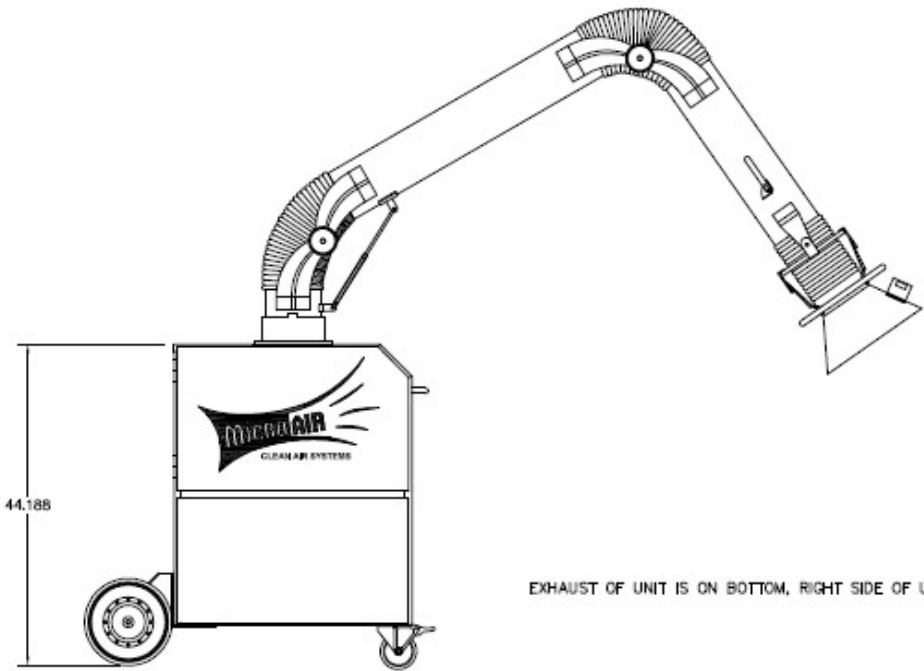
Contaminated Air is pulled into the hood on the source capture arm, then, travels down through the cartridge section, where the contaminant is filtered out and dropped into the dust drawer at the bottom of the unit. Clean, safe air is exhausted out the bottom of the unit. Cartridge cleaning is accomplished 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 inside the cartridge. While spinning, air exits the pre-drilled holes, resulting in air dispersment over the entire surface of the cartridge, providing for a more efficient cartridge cleaning cycle.



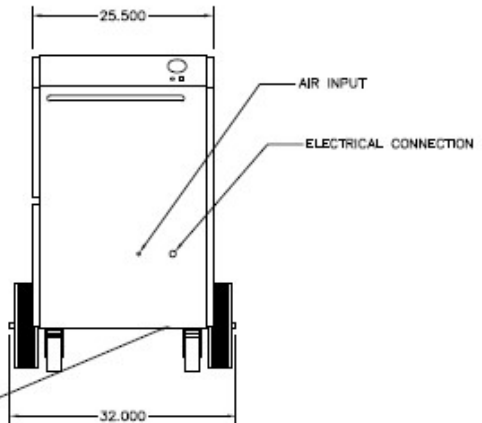
**TM1000
Weld Smoke and Fume Collection**



TM1000



NOTE: ARM AND BASE REMOVED FOR CLARITY.



EXHAUST OF UNIT IS ON BOTTOM, RIGHT SIDE OF UNIT.

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TM1000

TM1000SPECIFICATIONS:

OVERALL DIMENSIONS:
23.5" W X 34.5" L X 44.5" H

BASE WEIGHT:
*300LBS ACTUAL WEIGHT
*350 LBS SHIPPING WEIGHT
*WEIGHT VARIES DEPENDING UPON OPTIONS SELECTED

CABINET:
HEAVY DUTY 14 GA. WELDED GALFANEAL STEEL W/EXTERIOR SURFACES GROUND SMOOTH
FINISH:
INDUSTRIAL GRADE TEXTURED BAKED CRIMSON RED ENAMEL PAINT INSIDE AND OUT

FILTER ACCESS:
SIDE LOAD THROUGH DOOR FOR EASY ACCESS

MOTOR:
HIGH PRESSURE, DIRECT DRIVE BLOWER, 3450 RPM

BLOWER:
DUAL DIRECT DRIVE, HIGH STATIC, BACKWARD INCLINED IMPELLER

AIR VOLUME:
1,000 CFM ACTUAL

STANDARD PRIMARY FILTER:
TWO EA. HIGH EFFICIENCY 80/20 CARTRIDGES, 142 SF MEDIA EA. MULTIPLE OPTIONS AVAILABLE, CONSULT FACTORY

CARTRIDGE FILTER CLEANING:
MANUALLY ACTIVATED, SELF-CLEANING ROTO-PULSE® SYSTEM – REQUIRES 80 PSI AIR CONNECTION

FILTER CHANGE INDICATER:
MINIHELIC PRESSURE GAUGE FOR FILTER CLEANING NOTIFICATION

CASTERS:
5" INDUSTRIAL GRADE—TWO SWIVEL AN TWO FIXED FOR EASE OF MOBILITY, (NOTE: BIG WHEEL KIT REQUIRED FOR USE WITH 9' ARM)

CONTROLS:
FRONT, CABINET MOUNTED ON/OFF SWITCH, MANUAL PULSE BUTTON FOR CARTRIDGE CLEANING

INLET / EXHAUST:
INLET—HOOD ON SOURCE CAPTURE ARM
EXHAUST - OUT BOTTOM OF UNIT

MAX CURRENT
120V—14.4 AMP

NOISE LEVELS:
76 dBA @ 6' FROM EXHAUST
72 dBA @ 6' FROM EXHAUST WITH HEPA AFTERFILTER

OPTIONAL ATTACHMENTS:
BACKDRAFT HOOD, DOWNDRAFT TABLE,
SOURCE CAPTURE ARMS WITH HOODS 6" X 7', 6" X 9', 8" X 7', OR 8" X 9'; - w or w/o LIGHTS
DUAL 4" X 5' or 4" X 7' SOURCE CAPTURE ARMS W / HOODS;
8" X 15' FLEX HOSE W/ MAGNETIC HOOD; 8" X 25' FLEX HOSE W/ MAGNETIC HOOD.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE