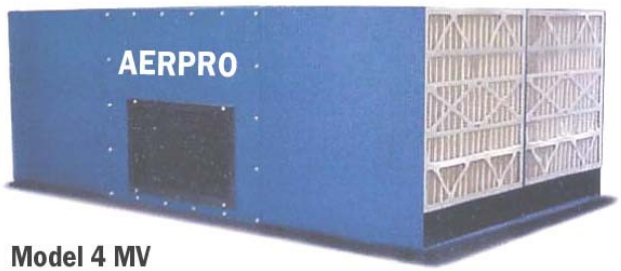
Dust/Mist/Smoke Collector
AerPro™ Model ClearAER 4MV



Model 4 MV

FEATURE & BENEFITS

- COMPACT SIZE
- HIGH EFFICIENCY
- LOW OPERATING COSTS
- LOW MAINTENANCE
- TOOL-LESS ACCESS
- MADE IN USA
- 2 YEAR WARRANTY

OPTIONS

- Mounting brackets
- Silencer reduces noise by 6 dBA

THE AERPRO MODEL CLEARAER 4MV IS DESIGNED TO GIVE YOU CLEAN AIR FROM:

• DUST (ALL) • FUME (LASER, PLASMA, WELD) • OIL MIST • OVERSPRAY (PAINT, METALIZING) • SMOKE (DRY/OILY)

SPECIFICATIONS:

- 7000 CFM maximum air flow
- (4) 30-40% multivee prefilters
- (4) 95% Micro Glass Vee Main Filters
- 28” H x 48”W x 82”L
- Hanging weight 550 pounds
- 5 HP Blower, 14/13/6.5 full load amps
- Single Speed 208/230/460/3/60
- Junction box
- 16 Gauge construction
- Painted dark blue chemical resistant paint

AERPRO MODEL 4MV

The AerPro Model 4MV is designed for safe and efficient ambient collection of process dusts, mist , and smoke. The efficient 5 HP blower moves up to 7000 CFM (cubic feet per minute). Filter efficiencies are rated by MERV 14 which replaces ASHRAE 52-76.

The air cleaning begins with the air entering through the four 4“ multivee disposable prefilters and continuing through the 95% efficiency rated micro glass main filters. The “T” shape air flow allows for very effective cross flow room patterns.

GulfTech casiba GROUP
SOLUTIONS FOR MANUFACTURING
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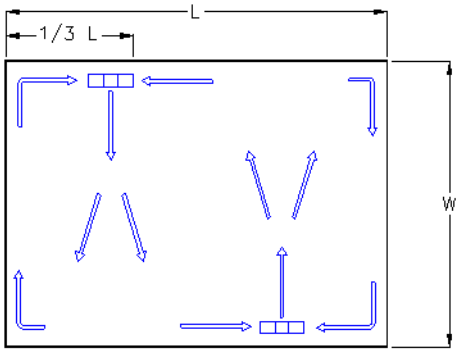
Dust/Mist/Smoke Collector AerPro™ Model ClearAER 4MV

Gulftech Enterprises, Inc.

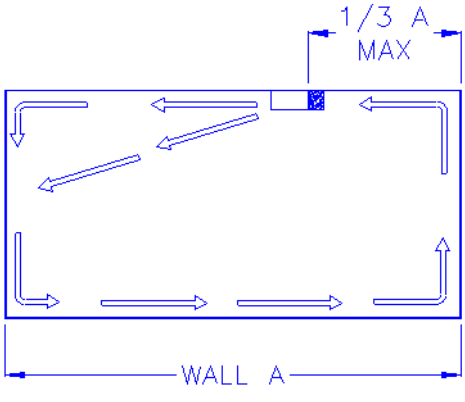
Concept of Ambient of Free-Hanging Air Cleaners

- **Ambient or Free hanging** - Locating air cleaners in a space which they are free to blow and draw air as they can. No ductwork is connected between the unit and where the particulate is created.
- **"T" or Criss-Cross Air Pattern** - Locating air cleaners in a facility such that a pattern of air discharged from the air cleaner crosses the area to be captured by another in a back and forth pattern, from unit to unit.
- **Race track pattern** - Locating air cleaners in a facility such that air is caused to move around the space in a oval racetrack pattern.



The "T" cross flow allows for the unit(s) to blow across the room with the airflow coming into the unit from each end. This type of air pattern is very useful for wide rooms or areas such as welding bays.

Therefore, it is a common misconception that the dirty air is sucked into the unit, where in fact, the dirty air is blown into the suction zone. The inlet area acts like a catcher's mitt,



One question that is always asked, is how does the dirty air in the center of the room get to the unit? When the unit(s) are on, the air stream coming from the blower produces a high pressure zone. The inside air is a low-pressure zone. The low-pressure zone rotates to the direction of the high pressure and slowly feeds into the high-pressure air stream.

There is always a portion of the dirty air rising into the airstream in addition to the amount of suspended dirty air particles trying to get captured in the airstream. Because of this limitation a free hanging system can never achieve 100% efficiency. However, efficiencies that range from 60% to 90% can be achieved.

CALCULATE THE VOLUME OF THE ROOM
Multiply the width x the length x the height
Ex. 30' x 120' x 10' = 36,000 ft³

Potential Return of Investment Benefits from Clean Air

- **Help comply with OSHA.**
- **Improve health resulting in lower insurance costs.**
- **Improve corporate image as a "clean place to work".**
- **Reduce energy costs from eliminating heated or cooled air.**
- **Improve manufacturing quality by preventing contaminates from paint areas to sensitive electronics.**
- **Lower maintenance such as tracking dirt into the offices and less painting.**

An example of an air change: Wood Shop 30 x 40 x 20H

Always figure cubic feet first. Therefore, 30 x 40 x 20 = 24,000 cubic feet Divide total cubic feet by # of minutes of air change required.
Since the above is a light wood dust application 24,000/10 minute air change = 2,400 CFM If the area had very heavy dust 24,000/5 minute air change = 4,800 CFM.

AerPro has been manufacturing quality air products for over 10 years. Today its products are sold and serviced by the best and most experienced distributors throughout North America and the Far East.

Other quality AerPro products and services include the 1000 – 12,000 CFM

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