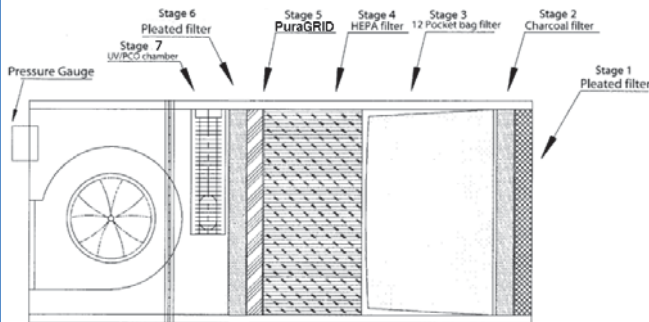




Model M-25D Series

This model features the latest in air filtration technology. The M-25D incorporates a **multi-stage** filtration process that can “target” your particular type of contaminates. *Versatility* and *Value* were key factors in the design.



Multi-Stage filtration is paramount to performance, flexibility and cost effectiveness.



Stage 1 - is a 2” common pleated filter used to economically capture the larger particles in the air while keeping the cost of the filter to an absolute minimum. This filter can be changed most often with the least cost.

Stage 2 – is a 2” activated granular charcoal filter which starts the process of adsorption of gaseous air contaminants by bonding to the magnificent molecular structure of the carbon surface. Adsorption is the best method for reducing VOC’s and odors in the air.

Stage 3 – is a 15” long 12 pocket 95% ASHRAE bag filter which handles the largest share of the particulate filtration process. The bag filter is common and economical to replace on a regular basis. When only Stages 1 & 2 are used, stage 3 can be 36” long 8 pocket.

Stage 4 – is a 12” or 6” HEPA (High Efficiency Particulate Arresting) filter. This type of air filter can remove at least 99.97% of airborne particles 0.3 micrometers (μm) in diameter. Particles of this size are the most difficult to filter and thus the most penetrating particle size (MPPS). This filter arrests these small particles in the air that have made it through the prior stages. The location of this stage helps preserve the life the HEPA filter – reducing operating cost while maintaining total effectiveness.

Stage 5 – is a 2” PuraGRID filter. This type of filter targets Volatile Organic Compounds. This filter handles chemical vapor, exhaust fumes, and odors that the standard filters will not eliminate. These filters are available in various grades of adsorption media for specific applications.

Stage 6 – can be an additional 2” common pleated filter (same as stage 1) or 2” activated granular charcoal filter (same as stage 2).

Stage 7 – is a 4” AHPCO™ Module. This stage incorporates the latest in Ultraviolet (UV) light radiation and Photo Catalytic Oxidation (PCO) to destroy molds, bacteria, and toxic organic compounds. Simply adding a UV lamp to a filter system will not achieve results. PCO is required to clean the air. This stage completes the entire process of cleaning your air of particles, gases, and toxic compounds suspended in the air you breathe in your shop.!

Additional Filter: A Wrap-A-Round can also be added to increase the life of the inside filters. This filter will trap the larger particles. The overall length of the unit will increase by 18”.

Value: All *AIR KING* filter units come with a 3-year warranty on all parts (except filters). We have obtained a 3-year warranty from Air Oasis on the AHPCO™ Module as well! You are in good hands and breathing clean air with *AIR KING* !!

Clean Air
Is Just
GOOD
Business



Model M-25D Series

TIME TESTED: The *AIR KING* line of air filtration units have been manufactured by Iowa Distributing Company, Inc. for over 30 years. Our various models have been used in literally thousands of applications throughout the entire United States and Canada. We offer a three-year warranty on all our units. (Filters are not eligible)

ENGINEERED: The *AIR KING* units are designed using 16 Gauge cold rolled steel cabinets with proven components inside. Our products are finished with chemical and scuff resistant polyester powder coatings for long life and good looks. Each unit is a self-contained system and can be used individually or in combinations for effective management of your air quality.

SUPPORTED: The *AIR KING* units are sold through dealers throughout the country. Many of our dealers are the most experienced air quality specialists in your area. Some of them stock specific units, components, or filters for serving your needs in a timely manner. All dealers are supported by the factory with readily available inventory of parts and filters. Call us to locate your dealer whenever you need information or assistance.

Key performance characteristics and cost controls are related to the stages of filtration.

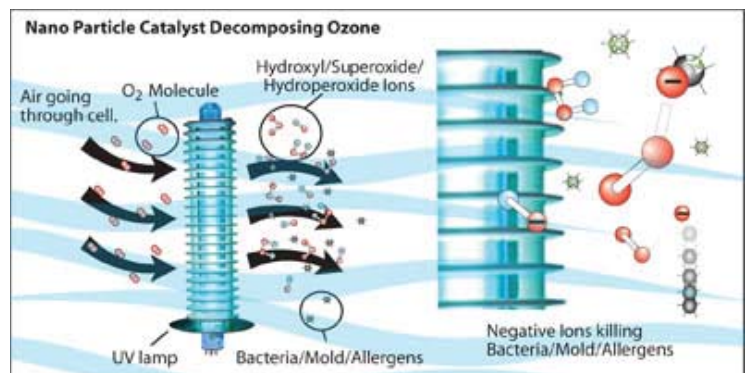
The 1st stage is very cost effective as a disposable filter – easiest to change, least expensive to acquire. The 2nd stage is a cost effective carbon granular which allows considerable (50%) by-pass and releases some carbon particles into the downstream air. However, the 3rd stage captures any particles released from the carbon filters as well as 95% of other particulate larger than 1micron. The 4th stage is the most expensive filter type (HEPA) and is protected by two earlier particulate filters in stage 1 and 3. The 5th stage filter is staged here so that all particulate than can be captured has been removed from the air – leaving only vapor borne molecules to pass through the Gaseous Adsorption filter – making it LAST LONGER by preventing blockage by dust particles. In the 6th and final stage, the Photo Catalytic Oxidization process converts toxic Volatile Organic Compounds into benign or inert substances. All the stages work together to SAVE you MONEY.

Cost Effective

How the AHPCO™* Module works:



The Air Oasis air purifier technology converts ozone into four additional ions: hydroxyl, hydro peroxide, super oxide and ozonide ions. By utilizing redundant oxidizers you receive greater benefits than that of ozone alone without the harmful side effects of an ozone air purifier.



The Air Oasis module utilizes true nano technology in their patented quad Nano Xtreme™ catalyst. The quad Nano Xtreme™ catalyst coating utilizes the power of five strong catalyst metals as well as a hydrating agent making this catalyst the most effective on the market today. The particles of the metals were reduced down to a nano-size in order to increase the surface area and therefore increase the kinetic rate of reaction. Some competitors are using

TiO2 (Titanium Oxide) alone with no hydrating agents or other less effective catalyst coatings. We use the Air Oasis module because it is setting the trend for the next generation of air purifier systems! *AHPCO = Advanced Hydrating Photo Catalytic Oxidation



Model M-25D Series



The M-25D Series can be configured with many different options for filters. Even though the M-25D can be equipped with 7 filter stages, you may not need that much protection. You can simply choose to replace the HEPA unit with a larger bag filter. Some of these changes can be decided by you *after* the purchase – the ULTIMATE in Versatility!

SPECIFICATIONS OF THE AIR-KING M-24 Series

- Cabinet:** 16 Gage Coldrolled Steel
- Finish:** Circuit Blue Polyester Powder Coating – chemical and scuff resistant
- Size:** 60” L x 24” W x 26” H
- Weight:** 215 lbs
- Power:** 115 Volts AC
10.2 Amps w/o AHPCO™ Module
11.0 Amps w/AHPCO™ Module
- Motor:** 3/4 hp PSC with internal thermal overload protection with restart
- Switch:** On/Off (two speed switch on some models depending on filters used)
- Blower:** 10 by 10 Direct Drive Centrifugal Forward Curve
- Capacity:** Max 2500 CFM
- Grill:** Four way individually adjustable blades
- Filters:** Standard M-25D package can include:
2” Pleated Prefilter
2” Activated Charcoal pellet filter
15” Long x 24”W x 24”T 12 pocket bag filter 95% ASHRAE
24”W x 24”T x 11.5” Deep HEPA filter or 24”W x 24”T x 5.75” Deep HEPA filter
24”W x 24”T x 2” Deep PuraGRID filter
Air Oasis 2-lamp AHPCO™ Module
[Call your local Air King Representative for which filters are best for your needs.](#)
- Options:** Magnehelic Pressure Gage (shows when to change filters)
- Warranty:** Three years on all parts except filters and media.
AHPCO™ Module has a three year from Air Oasis.

DISTRIBUTED BY: Air Cleaning Equipment Inc.
303 N. Main St.
Broadway, NC 27505
PHONE: 800-962-0650
www.aircleaningequipment.com