

## VMC Model Series



This *AIR KING* series provides an efficient removal of irritating contaminants such as smoke, oil mist, chemical fumes, or dust. The benefits are a healthier atmosphere for employees and a cleaner environment for equipment and machinery. The combination should lead to improved employee morale, less absenteeism, and a more productive work environment. Lower acquisition cost, combined with lower operational and maintenance costs compared to other more expensive air-cleaners, make your *AIR KING* system a good choice for any size installation.

The VMC model incorporates a **multi-stage** filtration and is available in a wide range of configurations. This flexible and versatility provides you the option of when and where to deploy your unit over a long lifetime of use.

**Stage 1** - is an optional pre-filter cage for ambient air application and consists of 9.7 sq.ft. of 2" thick gradient density poly fiber material which is inexpensive and easily disposed.

**Stage 2** - is a common 4" thick pleated filter used to economically capture the larger particles in the air while keeping the cost of the filter to the minimum. This filter can be changed most often and extends the life of the main bag filters. For oil mist applications, this stage can utilize a 4" aluminum mesh filter or combination of 2" oil impinger with 2" poly fiber.

**Stage 3** - is a 30" long 8 pocket 95% ASHRAE micro-glass bag filter (80 ft<sup>2</sup>) which handles the largest share of the particulate filtration process. These filters are able to separate sub-micron particles from the air passing the unit and hold them in high quantities. The bag filters are readily available and economical to replace on a regular basis.



### Options for Stage 3:

**HE Model** -- For fine dust application that need very fine filtration, a HEPA (High Efficiency Particulate Arresting) filter option is available for the VMC. When this option is requested, a 18" x 24" x 12" deep HEPA filter is *combined* in the cabinet following an 18" long 8 pocket 95% bag filter which prolongs the life of the HEPA filter.

**CC Model** -- For chemical fumes application, a pellet-filled filter bank module is available. There are two 18 lbs modules installed for a total of 36 lbs of activated

charcoal granules in addition to a 18" long 8 pocket 95% bag filter. This 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.



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**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 give 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.

Clean Air  
Is Just  
**GOOD**  
Business



### SPECIFICATIONS OF THE AIR-KING VMC Series

- Cabinet:** 16 Gage Cold Rolled Steel
- Finish:** Circuit Blue Polyester Powder Coating – chemical and scuff resistant
- Size:** Std Unit = 58”H x 24”D x 22” W Plenum adds 12”, Stand adds 24” to height 6” extension and stand used with Prefilter cage for 30” height increase
- Weight:** Std Unit = 185 lbs HE model = 213 lbs CC model = 260 lbs
- Power:** 115 Volts AC 8.5 Amps 970 watts
- Motor:** 3/4 hp PSC with internal thermal overload protection with restart
- Switch:** Two Position On/Off Rocker type switch with Red “ON” indicator light.  
A door activated safety switch on the main filter door.
- Blower:** 10 by 10 Direct Drive Centrifugal Forward Curve
- Capacity:** Max 2000 CFM
- Exhaust:** Louver type with four way individually adjustable blades
- Filters:** Various configurations of 20” x 24” media types
- Position:** Units can be mounted in Vertical or Horizontal positions
- Warranty:** Three years on all parts except filters and media.
- Options:** Inlet Plenum with 8” collar, Oil Drain pan, Prefilter Wrap-A-Round cage, 24” stand, 2hp upgrade available with 208-230VAC current.

