

## M-35P Model Series



This *AIR KING* series provides for an efficient and concentrated removal of irritating contaminants at or near the source. The articulated pickup arm can be swung in a 270° arc at the base and extended to a full 8 feet of length. The *AIR KING* arm has no internal support structure to impede the airflow through the arm -- the interior of the arm is FREE of obstructions! The result is increased airflow through the arm with a more efficient capture of the contaminants being removed.

External springs counterbalance the weight of the arm coupled with friction joints that provide complete stability and flexibility.

This portable series of air cleaning units have four 5" wheels on the base for ease of movement across the floor. The two fully castoring wheels have built-in locks which allow you to hold the unit in a desired location. The power cord is easily stowed by wrapping it around the steering handle on the rear of the unit.

### How it Works

The unit is located close to the workstation – whether it be a welding station, grinder, chemical scale, or sander. The arm is positioned in a way that allows the airflow to pull the contaminants away from your operating personnel and into the filter system before the contaminants can escape into the atmosphere.



The type of filters used within the unit can be determined by the type of contaminant being captured. For example, welding and grinding sparks can be very hot with the potential to cause a fire. Our prefilter screen mesh can be used upstream to the other filters to prevent the sparks from entering the filter area. Instead, the hot metal drops into the debris tray below the mesh screen. The tray is easily accessed through a hinged door and emptied into a trash receptacle. The mesh screen can be washed and returned to use.

Lockable  
Caster  
Wheels



Power Cord & Push Handle



Debris  
Tray  
Access  
Door



The M-35P model incorporates a **multi-stage** filtration and is available in a number of configurations. Flexibility and versatility provides you the option of when and where to deploy your unit over a long lifetime of use.

**Stage 1** – is the prefilter stage. Options are 1) a 4” thick washable aluminum mesh prefilter, 2) a 4” pleated filter (MERV 8), or 3) a combination of a 2” mesh screen with a 2” pleated filter.

**Stage 2** – is the main filter area. The standard filter is a 30” 8 pocket 95% bag filter. When Stage 3 options are chosen, this stage will consist of an 18” bag filter with 8 pockets

**Stage 3** – is optional. Two choices are: **HE Model** -- For fine dust application that need very fine filtration, a HEPA (High Efficiency Particulate Arresting) filter option is available for the M-35P. **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. 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.



**SPECIFICATIONS OF THE AIR-KING M-35P Series**

	<b>3/4HP</b>	<b>2HP</b>
<b>Cabinet:</b>	16 Gage Cold Rolled Steel	16 Gage Cold Rolled Steel
<b>Finish:</b>	Circuit Blue Polyester Powder Coating	Circuit Blue Polyester Powder Coating
<b>Size:</b>	72”H x 24”D x 35” W	74”H x 36”D x 35” W *w/ wider caster base
<b>Weight:</b>	Standard ..... 350 lbs Other configurations: HEPA Option ..... 390 lbs Dual Arm ..... 496 lbs Carbon Canister ..... 422 lbs	Standard ..... 490lbs Other configurations: HEPA Option ..... 530 lbs Dual Arm ..... 636 lbs Carbon Canister ..... 562 lbs
<b>Power:</b>	115 Volts AC 8.5 Amps 970 watts	208-230 Volts Current at 6.0-5.8 Amps
<b>Motor:</b>	3/4 hp PSC with internal thermal overload protection with restart	2 hp TEFCBB
<b>Switch:</b>	Two Position On/Off Rocker type switch with Red “ON” indicator light.	Not Included – hard wired to junction box
<b>Blower:</b>	10 by 10 Direct Drive Centrifugal Forward Curve	11 by 8 Belt Driven Centrifugal Forward Curve
<b>Capacity:</b>	Max 2000 CFM	13500 CFM
<b>Warranty:</b>	Three years on all parts except filters and media.	
<b>Options:</b>	Dual arms Down draft tables available with portable base.	Sold & Serviced By: Air Cleaning Equipment, Inc. 303 North Main Street Broadway, NC 27505 (800) 962-0650 <a href="http://www.aircleaningequipment.com">www.aircleaningequipment.com</a>

