



COMMAND-AIRE II

Powder Recovery Systems

S i m p l i c i t y i n M o t i o n TM





eic-306

The Command-Aire II Powder Recovery System

S i m p l i c i t y i n M o t i o n TM

The Command-Aire II powder recovery system offers various benefits that make operation easy.

The unit gives high recovery efficiency, allows quick color changes, and is easy to maintain – making the entire powder process “simplicity in motion.”

Time-Saving Color Changes

Color changes are fast and easy with the removable cartridge module. Simply roll the module away after cleaning the booth and the next color module rolls into place and is ready for operation.

The Cartridge Module Unit



At the heart of the Command-Aire II design is the simplified powder collection process. A 98.4 percent recovery efficiency of oversprayed powder translates into economical production day in and out.

During the powder collection process, oversprayed powder collects on the filters in the cartridge module. Continuous high pressure reverse pulse air automatically cleans the filters, and collected powder returns via gravity to the hopper below for reapplication.

Vertical cartridge placement in the module unit works with the automatic reverse pulse cleaning system and gravity to help thoroughly extract powder from the filter. This unique cleaning process improves filter efficiency and extends its life, resulting in considerable savings to you.



Booth Description

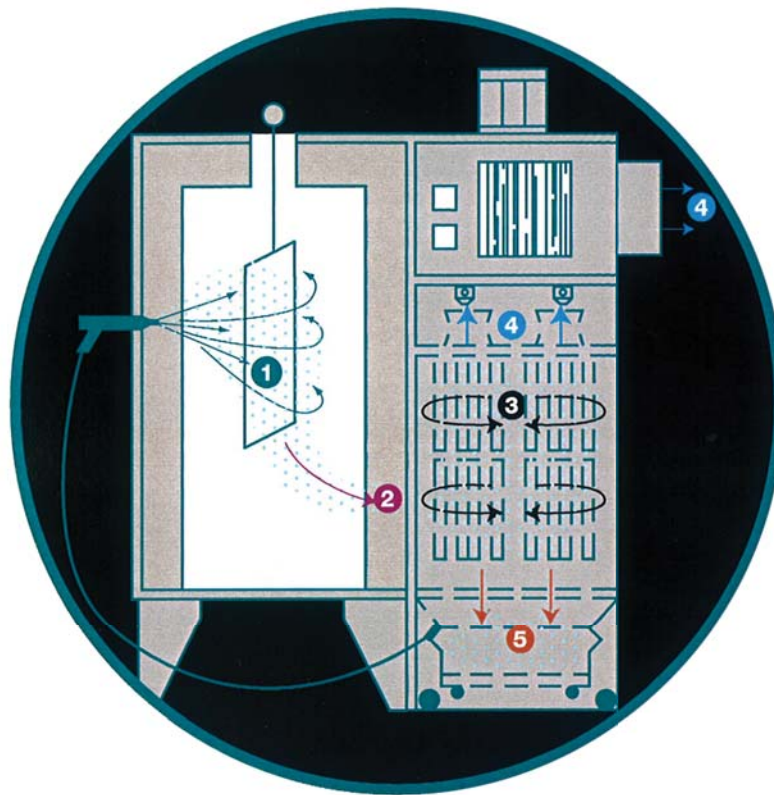
Compact and space-saving, the Command-Aire II's smooth stainless steel interior minimizes air turbulence and makes cleaning fast and easy. Powder coated mild steel is also available.

Depending on your needs, each system can be configured to use manual or automatic application equipment, or a combination of both.

The Main Exhauster System

The exhauster, the prime air mover, provides optimum ventilation rates throughout the coating booth. Its action creates incoming air throughout the coating booth. Its action creates incoming air through booth openings, keeping the powder inside the booth and providing the proper air-to-powder safety ratio.

The exhauster directs departing air into absolute filters, which remove 99.97 (minimum) of the 0.3 microns. (.000012")



The Command-Aire II Powder Application/Recovery Process:

- 1 Powder sprayed from the electrostatic gun flows freely around part, uniformly coating its surface.
- 2 Powder-laden air enters the cartridge module unit where the powder collects on filter cartridge.
- 3 Jets of high pressure air automatically and thoroughly clean cartridge filter.
- 4 Air leaves cartridge filters, passes through HEPA filters and back into the plant as clean air.
- 5 Powder removed from filter into fluidized hopper for reapplication by electrostatic gun(s).

particles and larger. These super-fine filters ensure that clean air entering the booth returns as clean air to the plant.

The Electrical Control Panel

The electrical control panel houses the step-down transformer, motor starter, main disconnect and indicator lights. It also contains the required connections for various interlocks (exhaust, compressed air, etc.) with the electro-static system. Wiring is in accordance with the National Electric Code.

Optional Accessories

- **Rotary or Vibratory Sieve System** to recondition powder prior to reapplication by electronic guns.
- **Part Recognition System** with automatic gun control.
- **Fluidized Hopper Powder Level Control**
- **Automatic Virgin Powder Replenishment**

Sales, Service and Technical Support

Our technical sales staff will work closely with you to ensure that your system design will best meet your needs.

EIC Group is customer-dedicated and service-oriented. Our knowledgeable distributors and service personnel are easily accessible. We stock a complete replacement parts inventory, and in most cases, replacement parts are shipped the same day.



Total Systems, Total Solutions

STANDARD BOOTH SIZES*

Model	Nominal Air Flow (CFMs)	Filters per Module	Conveyer Opening (WxHxD ft)	Operator Opening (WxHxD ft)	Overall Dimensions (W x H x D ft)
eic-306	3000	6	1.6x4	2x3	10.5x9x11
eic-408	4000	8	2x5	2x3	10.5x9x11
eic-612	6000	12	3x5	2x3	10.5x9.5x19
eic-816	8000	16	3x6	3x4	10.5x10x27

*Other sizes available to meet any specification.



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