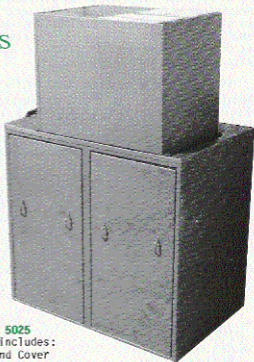


# KEI CARTRIDGE DUST COLLECTORS

KEI Cartridge Units are high efficiency, solid state reverse-pulse cleaned dust collectors that, when ducted, provide source capture of dry, coarse and fine particulate. Models 5012, 5025 and 5035 use special cartridges that greatly improve filtration over standard, fabric filtered units. Each cartridge filter provides over 225 sq. ft. of inner pleated filter media that filters 99% of particulate at 1 Micron. The gasketed cartridges are sealed to prevent contaminant by-pass.



## APPLICATIONS

- \* Machining
- \* Hardfacing
- \* Mig Welding
- \* Arc Welding
- \* Spot Welding
- \* Plasma Cutting
- \* Cutting & Grinding
- \* Mixing/Extruding

## MODEL 5025

Unit includes:

- \* Sound Cover
- \* 5HP - 3PH Motor
- \* Male Air Coupler
- \* Solid State Reverse-Pulse System
- \* 2 Easy Access Panels
- \* 2 Removable Baffles & Drawers
- \* 2 Cartridge Filters

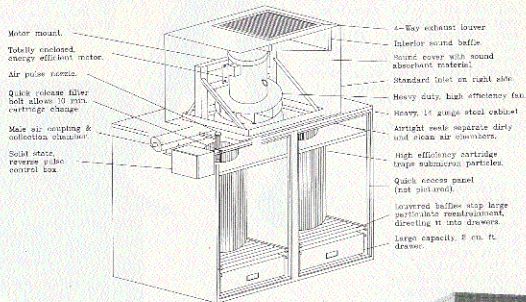
## REVERSE-PULSE CLEANING

KEI's reverse-pulse cleaning system contains a solid state control timer that provides programmable off-line pulse relay for filter cleaning. 60 - 80 Psi shop air is connected to the unit's air collection tube. The tube holds the air until the timer releases it in a controlled blast of air through one of the cartridges. This process continues at programmed intervals in a relay of each filter. The pulsed air pushes the particulate from the filters to drop through the unit baffles and into the collection drawers. A pressure gauge is available to save shop air.

## FEATURES

- \* RECIRCULATES CLEANED AIR - SAVES HEATING & COOLING COSTS
- \* QUIET OPERATION AT 81 & 79 DBA
- \* LOW MAINTENANCE W/ EASY ACCESS PANELS
- \* INDUSTRIAL QUALITY, CONTINUOUS DUTY, TOTALLY ENCLOSED MOTORS
- \* SOLID-STATE, REVERSE PULSE CLEANING WITH PROGRAMMABLE TIMED RELAYS
- \* ECONOMIC, HIGH EFFICIENCY FILTRATION
- \* LARGE CAPACITY COLLECTION DRAWERS
- \* MEETS OSHA HEALTH AND SAFETY RECOMMENDATIONS

KEI cartridge filters are housed in heavy 14 gauge metal cabinets and are installed for easy replacement and maintenance. All units are 3 Phase - 230/460V. Quick-access panels are removed for cleaning the easy-emptying collection drawers. Model 5012 has one drawer with 2.5 cubic ft., and Models 5025 and 5035 have two drawers with 2 cubic ft. each. The units have side-intakes to be ducted to either the dust producing equipment or to KEI Spring Loaded Arms for source capture. Models 5025 and 5035 have two cartridge filters each for a total of over 450 sq. ft. of filtering media. Model 5012 has one cartridge for 226 sq. ft.



### CARTRIDGE DUST COLLECTOR SPECIFICATIONS

| MODEL  | HP* | CFM  | DBA<br>5' | CARTRIDGE<br>NO | AREA | INLET<br>DIA" | DIMENSIONS |    |    |     | WT  |
|--------|-----|------|-----------|-----------------|------|---------------|------------|----|----|-----|-----|
|        |     |      |           |                 |      |               | H"         | D" | H" | H"+ |     |
| 5012-3 | 3   | 1200 | 81        | 1               | 226  | 7             | 28         | 32 | 69 | 130 | 400 |
| 5025-3 | 5   | 2500 | 79        | 2               | 452  | 8             | 50         | 35 | 74 | 135 | 800 |
| 5035-3 | 7.5 | 3500 | 79        | 2               | 452  | 10            | 50         | 35 | 74 | 135 | 900 |

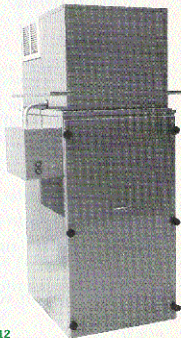
\*All motors are 3 Phase - 230/460V.

+Height with Optional Hoppers.

### OPTIONS

| MODEL | DESCRIPTION                 |
|-------|-----------------------------|
| 280   | 5012 Hopper                 |
| 281   | 5025/35 Hopper              |
| 5001  | 5012 HEPA Final Filter      |
| 5002  | 5025/35 HEPA Final Filter   |
| 5003  | 5025/35 Carbon Final Filter |
| 5004  | 5012 Carbon Final Filter    |

Note: Final Filters add 16" height.



MODEL 5012