

KEI INDUSTRIAL ELECTROSTATIC PRECIPITATORS

KEI Industrial Electrostatic Precipitators are heavy duty industrial units which collect almost all types of particulate, including mist and smoke from above 10 Microns to below 0.01 Microns. Gases and odors can be removed with the addition of a carbon after-filter. The Precipitators are designed with separate ionizing and collection elements to create the highest collection rate possible.

Electrostatic Precipitators not only increase productivity by improving working conditions and eliminating pollution, they reduce the need for ventilation and make-up air, thereby saving on heating and cooling bills. KEI Precipitators pay for themselves in fuel bills while purifying the work place air. The Unit can be used to protect sensitive, valuable equipment and electronic controls from airborne contaminants.

KEI Industrial Precipitators are free air collection units and can be installed as ceiling or wall mounted systems. The Precipitators can also be modified for duct work to source capture contaminants. Source pick-up is the most effective method; particulate is captured before it enters the operator's breathing zone or disperses throughout the shop. KEI will design and engineer ducted systems that include the proper horsepower, blower, intake plenums, ducting, and hoods.



MODELS 6005-6025

Ceiling Mount Cabinet Includes:
1/2 HP Motor & Blower
1 Pre-filter
1 Ionizer & Collection Cell
1 After Filter



MODELS 6205-6225

Ceiling Mount Cabinet Includes:
1/2 HP Motor & Blower
2 Pre-filters
2 Ionizers & Collection Cells
2 After Filters

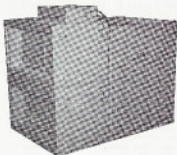
FEATURES

- * TEN WIRE IONIZER
- * COLLECTS FROM 10 MICRONS TO 0.01
- * BAFFLED FOR ANTI-BYPASS
- * 16 GAUGE STEEL CABINET
- * SHIELDED INSULATORS
- * POSITIVE GROUNDED COMPONENTS
- * SELF REGULATING, ENCLOSED POWER SUPPLY
- * 122 SQ. FT. OF FLAT COLLECTION PLATES PER CELL
- * SEALED BALL BEARING BLOWER
- * PRESSURE CAPABILITY UP TO 4" W.G.

MODELS 6415-6425

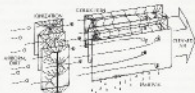
Ceiling Mount Cabinet Includes:

- 2 HP Motor & Blower
- 4 Pre-filter
- 4 Ionizer & Collection Cell
- 4 Final Filter



ELECTROSTATIC PRECIPITATION

After passing through the pre-filter which removes the large particles, dirty air enters the ionizers where all contaminants are positively charged. These charged particles then pass through alternately charged plates. The positive plates repel the charged particulate onto the negative plates. An after-filter stops escape of any remaining contamination. Air up to 99% pollution free is discharged through 4-way adjustable louvers.



APPLICATIONS

- * Welding Smoke/Fumes
- * Oil Smoke/Mist
- * Bondo Dust
- * Cutting/Grinding Dirt
- * Die Casting/Machining
- * Clean Rooms
- * Print Shops
- * Computer Rooms
- * Welding Shops
- * Body Shops
- * Mixing/Extruding
- * Quenching/Braking
- * Heat Treating
- * Plastic Processing
- * Offset Powder
- * Machine Shops
- * Massmixers
- * Laboratories
- * Refineries
- * Factories

INDUSTRIAL ELECTROSTATIC PRECIPITATOR SPECIFICATIONS

TYPE	MODEL	HP	PHASE	VOLT-TAGE	AMPERAGE		RPM	DIMENSIONS			COLLECT		WT
					START	RUN		H" W" L"	H" W"				
SINGLE CELL 1250 CFM	6005-1	1/2	Single	115*	8	6	1725	28	19	44	18	16	180
	6010-1	1/2	Single	115	8	6	1725	28	19	44	18	16	185
	6015-1	1/2	Single	230	4	3	1725	28	19	44	18	16	185
	6020-3	1/2	Three	230	2	2	1725	28	19	44	18	16	185
	6025-3	1/2	Three	460	1	1	1725	28	19	44	18	16	185
TWIN CELL 2500 CFM	6205-1	1/2	Single	115*	8	6	1725	21	37	44	16	33	320
	6210-1	1/2	Single	115	8	6	1725	29	37	44	16	33	325
	6215-1	1/2	Single	230	4	3	1725	26	37	44	16	33	325
	6220-3	1/2	Three	230	2	2	1725	26	37	44	16	33	325
	6225-3	1/2	Three	460	1	1	1725	26	37	44	16	33	325
FOUR CELL 5000 CFM	6415-1	2	Single	230	11	5.9	1725	47	37	55	37	33	450
	6420-3	2	Three	230	4.4	6.4	1725	47	37	55	37	33	450
	6425-3	2	Three	460	2.2	3.2	1725	47	37	55	37	33	450

* Wiring and electronics internal with cord & plug. Other models wiring and electronics external without cord & plug.

Mist collection models - add M to each model: e.g., 6006-M.