

## PORTABLE ELECTROSTATIC PRECIPITATORS

The KEI Portable Electrostatic Precipitators are two stage air filtering units designed for industrial production or industrial maintenance shops which require high collection capacity. It is a portable, self contained unit having both air handling and purification capabilities. The versatile, Portable Precipitators effectively filter most types of pollutants, from above 10 Microns to below 0.01 Microns. The fan, motor, and holding arm combination allow source capture up to 100 feet.

The Portable Unit features 10 ionizing wires and a separate cell containing 121 square feet of collection area for maximum efficiency. The flat, burr-free plates reduce energy drain, efficiency losses, and assure minimal arcing. The Unit's cells are readily accessible for cleaning and maintenance through a hinged access door. A washable, expanded aluminum pre-filter extends the service life of the collecting components. Positive grounding of all collecting components eliminate residual shock hazards.

## ELECTROSTATIC PRECIPITATION

After passing through the pre filter which removes large particles, dirt 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 prevents escape of any recaptured contaminants. Air up to 99% pollution free is discharged through 4-way adjustable louvers.



LIGHTED NOZZLE MODEL 969  
(OPTIONAL)



## MODELS 6500-6515

Electrostatic Unit Includes:

- 1 Heavy Duty Mobile Base
- 1 5' Spring Loaded Arm
- 1 8" Cone Nozzle
- 1 6" 1/8" Flex Hose
- 1 2" Metal Door

## FEATURES

- \* BELT DRIVEN BALL BEARING BLOWER
- \* UL & CSA APPROVED MOTOR
- \* SPRING LOADED HOLDING ARM FOR SOURCE CAPTURE
- \* LIGHTED NOZZLE KIT AVAILABLE
- \* HIGH EFFICIENCY CONE NOZZLE
- \* PUSH BAR HANDLE ON ALL UNITS
- \* HEAVY DUTY, 5" SWIVEL WHEELS FOR PORTABILITY
- \* EASY-EMPTY CLEANOUT DRAWER



**MODELS 6600-6615**

Electrostatic Unit Includes:

- 1 Heavy Duty Mobile Base
- 2 10' Spring Loaded Arm
- 2 8" Cone Nozzle
- 2 11' - 8" Flex Hose
- 2 4' Metal Duct



**MODELS 6700-6715\***

Electrostatic Unit Includes:

- 1 Heavy Duty Mobile Base
- 1 10' Spring Loaded Arm
- 1 8" Cone Nozzle
- 1 11' - 8" Flex Hose
- 1 2' Metal Duct

\*HEAVY APPLICATIONS

### APPLICATIONS

- \* Welding Smoke/Fumes
- \* Oil Mists
- \* Bore Oil
- \* Cutting Dust/Slit
- \* Quenching/Spraying
- \* Soldering
- \* Manufacturing
- \* Plasma Cutting
- \* Welding Shops
- \* Machine Shops
- \* School Shops
- \* Body Shops
- \* Refineries
- \* Paintshops
- \* Clean Rooms
- \* R & D Centers

### PORTABLE PRECIPITATOR SPECIFICATIONS

TYPE	MODEL	SP	FEED	VOLT-AGE	AMPERAGE START RUN	FRESH AIR CFM	OPR 6" DUCT	NOZ. VOL. FPM	ARM L'	DIMENSIONS L' W' H'	WT
SINGLE CELL	8600-1	1/2	Single	175*	8 8	1250	1100	3150	8	27 30 64	200
	8605-1	1/2	Single	230	8 2	1250	1100	2150	8	27 30 64	200
	8510-3	1/2	Three	230	2 2	1250	1100	2150	8	27 30 64	200
	8515-3	1/2	Three	400	1 1	1250	1100	2150	8	27 30 64	200
TWIN CELL	6600-1	1	Single	115*	11 8	2500	900 ea	2570	13	34 37 84	425
	6605-1	1	Single	250	6 4	2500	900 ea	2570	13	34 37 84	425
	6610-3	1	Three	250	3 2	2500	900 ea	2570	13	34 37 84	425
	6615-3	1	Three	400	2 1	2500	900 ea	2570	13	34 37 84	425
DOUBLE PASS	8700-1	1	Single	115*	11 8	1250	1100	2150	10	27 30 77	182
	8705-1	1	Single	210	6 4	1250	1100	2150	10	27 30 77	182
	8710-3	1	Three	250	3 2	1250	1100	2150	10	27 30 77	182
	8715-3	1	Three	400	2 1	1250	1100	2150	10	27 30 77	182

\*Rated with cone, plus and switch.