



# Sourcetek

## Portable Precipitator • Series "SPP"

**Applications:** Oil Mist, Aerosol, Thermal Smoke.

**Options:** Dual pass light package, safety mesh in hood  
local on/off switch.

### General Description

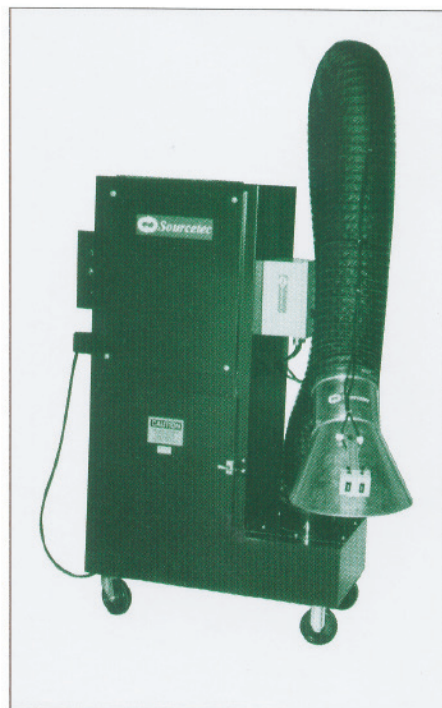
The Sourcetek Portable Precipitator Series SPP is specially designed to remove all contaminants, such as airborne smoke, fumes, dust, and oil mist from the air stream in a wide variety of applications. The SPP unit is mounted with a Sourcearm for contaminant capture at the source. Therefore, all impurities are captured before they reach the breathing zone of the worker. Source capture, whenever possible, is the only acceptable method of pollution control.

### Principle of Operation

The SPP uses the principle of electrostatic precipitation to remove contaminants from the air stream. As the air enters the unit through the arm, large particles are captured by the prefilter, smaller particles enter the cell, and pass over the wires to receive a positive charge. As the charged particles continue through the cell, the positive plates repel them, and the negative or grounded plates attract them. Thus, the smoke particles are collected on the negative plates. The active is positive, safe, and simple.

### Construction

The Sourcetek unit is constructed of 16GA steel, is continuously welded per applicable codes, and is available in special coating as an option. The power pack is prewired. The access door is equipped with safety disconnect switch to deactivate the precipitator components when the door is open.



### Specifications - Portable Units

All units are built with adjustable casters for ease of handling. Counter balance swing arms, with industrial ducting, eight inches in diameter or larger. Two arms may be mounted on a single SPP 20 unit.

#### TECHNICAL DATA

Model #	Air Flow Volume (CFM)	SWG (SP)	HP	Weight (lbs.)
SPP-10	800-1100	Free Air	1	175
SPP 20	1600-2200	Free Air	2	275

\* Engineering technical specifications available upon request.

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