

## **MODEL DCS 2300 HD**

### Portable Cartridge System



*The DCS 2300 Portable Cartridge System from Dust Control Solutions Inc. is a complete self-contained media air cleaner for use in source capture applications in industry. The Model DCS 2300 captures airborne contaminants such as welding smoke, grinding dust, plastic dust and VOC's from Fluidized bath parts cleaning applications. The DCS 2300 is recommended for those operations performing daily tool and parts cleaning.. The air inlet temperature to the dust collector must be reduced to below 175°F by the use of bleed in air ducting (supplied by Duct Inc). Units are sized at 1000cfm for a 50% bleed in cooling air.*

**Dust Control Solutions**  
**P.O.Box 71, Bloomsbury NJ 08804**  
**Tel/Fax: (908) 479-1088**

## DCS 2300 FEATURES & SPECIFICATIONS

### Principles of Operation:

Airborne contaminants enter the DCS2300 through the inlet plenum assembly at a rate of 1100 cubic feet of air per minute (cfm). Heavy particles are propelled downward through the venturi and into the clean out trays. Small submicron particles are then trapped within the pleats of the two 99.8% efficient cartridge filters. The cleaned air is then gently diffused out the bottom of the unit. When the filter gage indicates that the cartridge filters are dirty, they are easily cleaned by connecting a shop air hose (80-120 psi) to the unit and activating the reverse pulse system.

### SPECIFICATIONS :

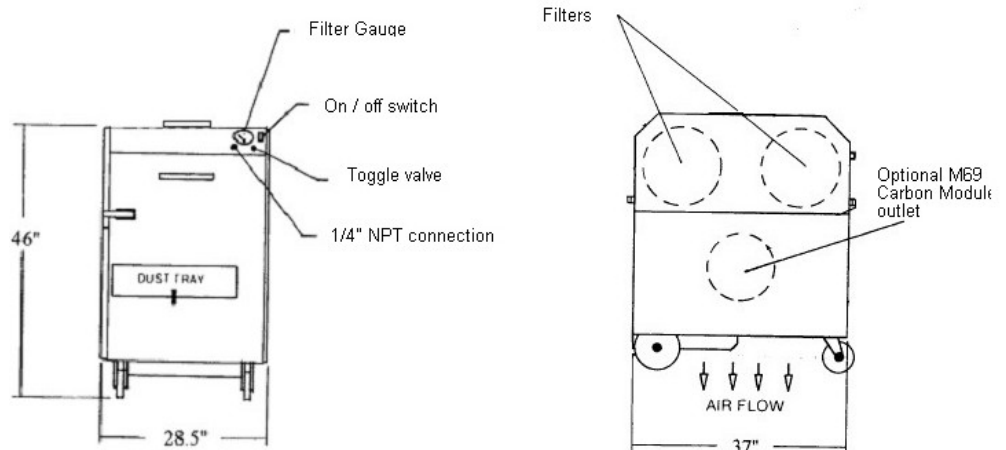
- DIMENSIONS: 46"H x 28.5"W x 37"D
- WEIGHT: 400 lbs actual, 450 lbs shipping
- AIRFLOW VOLUME: 1100 cfm
- MOTOR: 1.5 HP thermally protected
- BLOWER: Direct drive, backward incline
- CABINET CONSTRUCTION: 16 Ga. welded CRS steel
- CONTROLS: All models include control circuitry and thermal protection.
- POWER: 120V/60 hz/14 amp running or 208-240V/60 hz/8 amp running.  
Ten-foot power cord with molded plug standard on single phase models, 3 phases models available at no extra charge.
- CASTERS: Two large 8" diameter semi-pneumatic (front) wheels and two heavy duty swivel casters (back)
- FINISH: Durable powder coat paint
- FILTRATION: Two high efficiency spun bonded cartridge filters: 12 3/4" diameter x 22" long, 99.8% efficient at .5 micron
- FILTER ACCESS: Hinged side door
- FILTER CLEANING: Self-Cleaning Reverse Pulse Jet System which utilizes a one inch diaphragm valve. Requires 80 -120 psi of shop supplied compressed air. 1/4" NPT female fitting is provided to accept field installed quick connect.
- FILTER GAGE: Dirty filter gage indicates pressure up to 10" H 2O
- NOISE LEVEL: 73 dBa at 6 "
- WARRANTY: Limited three year warranty

### STANDARD FEATURES :

- Air volume - 1100 cfm
- Reverse pulse cleaning system
- For heavy duty applications
- 1.5 horse power motor
- 99.8% efficient at .5 micron
- Quiet operation
- Three-year limited warranty

### OPTIONAL FEATURES: ■

- Carbon filter Odor reducer
- 2nd stage HEPA filter



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