

Principal of operation: Air enters the 9" x 13" Para-vent™ hood at a nominal rate of 1000 cubic feet per minute (standard configuration) picking up smoke, dust and other particulate 12" - 14" from the hood. Pollutants are drawn through the 8" diameter x 10' long, spring-loaded, self-supporting swing arm and into the 16 ga. cabinet plenum assembly. The dirty air is drawn around a baffle plate which disperses the air evenly throughout the plenum resulting in maximum collection effectiveness. The downward flow of contaminated air then moves through the cartridge filters. The fire retardant, pleated filters remove 99.9% of the particulate. The direct drive

blower, located in the clean air chamber, pulls the air through the system and discharges cleaned air back into the workspace. The sound attenuated blower chamber keeps noise levels at less than 75 dBA at 5'. The 5" swivel and 10" fixed casters allow easy rolling and movement of the FPH2. Using the sequential timer board, filters can either be cleaned on-line or during system downtime. During on-line pulse cleaning, pressure drop is maintained across the dual cartridge filters as they collect the dust. This ensures constant airflow through the unit at all times. Dislodged particles fall into the dust pan for removal and disposal.

Specifications:

Dimensions: Cabinet 54" deep x 29 1/2" wide x 52" high (without arm).

Weight: 550 lbs.

Construction: 16-gauge galvanized steel cabinet with removable dust pan, 10" diameter fixed front and 5" diameter locking swivel rear casters.

Extraction Arm Assembly: Spring-loaded, self-supporting 8" diameter x 10' long swing arm complete with source capture hood and hood positioning handle.

Airflow: Nominal 1000 CFM (2HP), 1200 CFM (3HP)

Noise Level: 75 dBA at 5'.

Electrical: 2HP, 208-230/1/60 (11.5 amps) standard or 3HP, 208-230-460/3/60.

All units include 10 ft. power cord without plug.

Filters: Two high efficiency fire-retardant Supra-Net-FR cartridge filters (226 ft.² media area each). Positive sealing cartridge access covers allow for easy filter replacement.

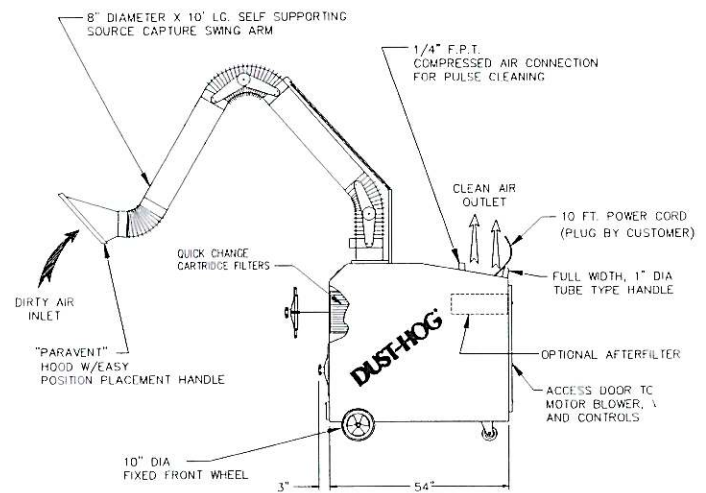
Efficiency: 99.9%

Cleaning System: Automatic, on-line reverse pulse cleaning system with solid state sequential timer board, air manifold, accelerator nozzles integrally mounted in pulse pipes and 3/4" Goyen pulse valves. Unit includes manual override switch for selective cleaning. Uses 90-110 PSIG shop compressed air (0.78 SCF per pulse). Compressed air connection fitting located on top of unit cabinet.

Filter Monitor: 0-5" Minihelic® Gage standard.

Options:

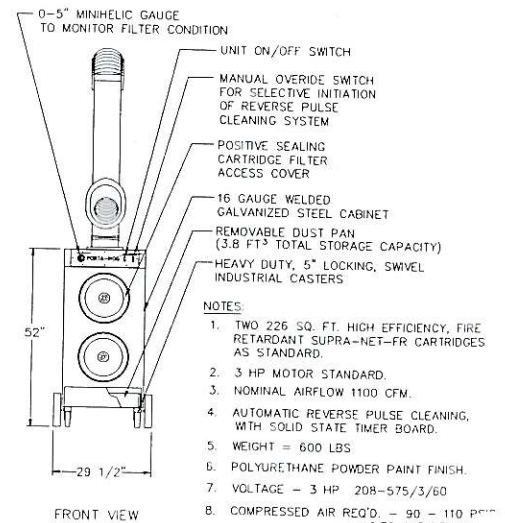
- 50 watt quartz halogen hood light kit with transformer and hood mounted control switch.
- Remote unit on/off switch mounted on capture hood (with hood light kit).
- Dual 6" diameter x 10' long swing arms (with 3 HP motor).
- 2 HP motor, 208-575/3/60 power supply.
- 3 HP motor, 208-575/3/60 power supply.
- V-bank carbon afterfilter.
- 95% Bio-HEPA afterfilter.
- Dust pan liner for ease of dust disposal.
- Supra-Series cartridge filters offer a variety of media alternatives for virtually every application.



OPTIONS:

1. 50 WATT QUARTZ HALOGEN LIGHT WITH HOOD MOUNTED CONTROLS.
2. DUST PAN LINERS.
3. HEPA OR CHARCOAL AFTERFILTER.
4. 7' OR 14' ARM LENGTH.

RIGHT SIDE VIEW



NOTES:

1. TWO 226 SQ. FT. HIGH EFFICIENCY, FIRE RETARDANT SUPRA-NET-FR CARTRIDGES AS STANDARD.
2. 3 HP MOTOR STANDARD.
3. NOMINAL AIRFLOW 1100 CFM.
4. AUTOMATIC REVERSE PULSE CLEANING, WITH SOLID STATE TIMER BOARD.
5. WEIGHT = 600 LBS
6. POLYURETHANE POWDER PAINT FINISH.
7. VOLTAGE - 3 HP 208-575/3/60
8. COMPRESSED AIR REQ'D. - 90 - 110 PSIG 0.78 SCF PER P
9. INSTALLATION OF SWING ARM BY CUSTOMER.

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