

Conformal Coating Spray Booth Specifications:

- Free Standing Floor unit
- Work surface to be approximately 35.5" off the floor
- Work area dimensions, no smaller than 36" wide X 30" deep X 27 ¾ high
- Manual turntable for full 360 degree rotation for complete coverage
- Fitted two-door storage cupboard for utensils, spares, pressure pots, etc
- ESD Points fitted for full anti-static protection
- Exterior powder coated white, interior brushed stainless steel
- Fabricated from strong, durable steel panels with fully riveted seams
- Internal shelf for PCB storage

Air

- Pre-filter & 99.97% HEPA Filter-120 FPM High; 25 FPM Low
- Pre-filter & Heavy-duty Carbon Filter-105 FPM High; 20 FPM Low
- Available Filter Efficiencies: HEPA Filter - Up to 99.97% efficient on particles 0.3 microns and larger.
- ASHRAE Filter - Up to 95% efficient on particles 0.5 microns and larger.
- ULPA Filter - Up to 99.9995% efficient on particles 0.12 microns and larger.
- Activated Carbon & Specialty-Blended Filters - Efficiency varies per chemical

Electrical:

- 115/1/60, 2 amps
- 220/1/50, .75 amps
- Sound Level
- 61 to 66 dba (Blower Speed: Low to High)

Warranty:

Limited two-year warranty from date of shipment on defects due to materials or workmanship.

Max Operating Temperature:

- Not to exceed 170 degrees Fahrenheit

Magnehelic Gage SS-300-MAG to monitor filter saturation.

- 700 – 950 cfm

Fire Department Specifications

- **Fire Suppression:** Because of the severe fire hazard posed by atomizing highly volatile paints, all applicable codes prescribe a fixed, automatic fire suppression system. In the majority of instances, these systems are UL-Listed, pre-engineered and piped, using dry chemical extinguishing agent with heat-responsive links to dump the system. Manual dump capability must also be provided. See **NFPA 17.**)

- Trigger circuit, to input signal to building fire alarm.

Light

- Class 1 Division 2 explosion proof dual lighting UVA and white for inspection whilst spraying and maintenance

Safety Requirements

- The portable paint spray booth for Bldg. 1202 shall be ordered with automatic shutdown interlock, LEL monitor / alarm, and a built-in dry chemical fire suppression system. Be advised that any equipment intended to deal with vapors and particulates generated during spray paint operations must be approved by the NASA Fire Chief prior to its purchase. Please submit detailed spec sheet for review/approval)
- Ventilation to capture and remove volatile fumes and paint particulates produced during spray painting is also required. It is always best to route the exhaust to the outdoors; however, there are some rather complex charcoal filtration systems that will actually scrub out volatiles. Air exhausted from spraying operations is allowed to be re-circulated in the building provided that:
 - **a)** Solid particulate has been removed;
 - **b)** Vapor concentration is < 25% of LEL;
 - **c)** Approved equipment is used to monitor vapor concentration
 - **d)** Should concentration become > 25% of LEL an alarm will sound and spray operations automatically shut down)