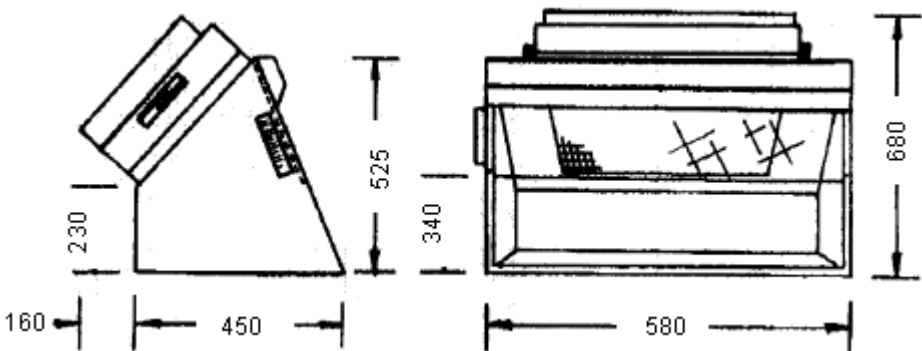




Features:

These units are recirculatory, i.e. filtered air exhausted back into the workplace
Comprising : Particulate filter to 5 microns - 4 kg (T660H-C) activated carbon filter centrifugal blowers (A), brushless, external, rotor motor type, UL, VED and CSA approved - sealed electrical wiring and switch (S) - Steel construction finished in dove grey - Hood enclosure workstation complete with clear polycarbonate panel and hood illumination



Dimensions : Millimetres

Technical Specification Table

Model No	Fan Motor*	Average Air Velocity at Filter Face	Average Air Velocity At Hood Face
T660H-C	230 V 50 Hz 105 W	0.5 m / sec 98 ft / min	0.5 m / sec 98 ft / min

* 110 V 60 Hz available if required
Weight : T660H-C = 38 kg

Applications

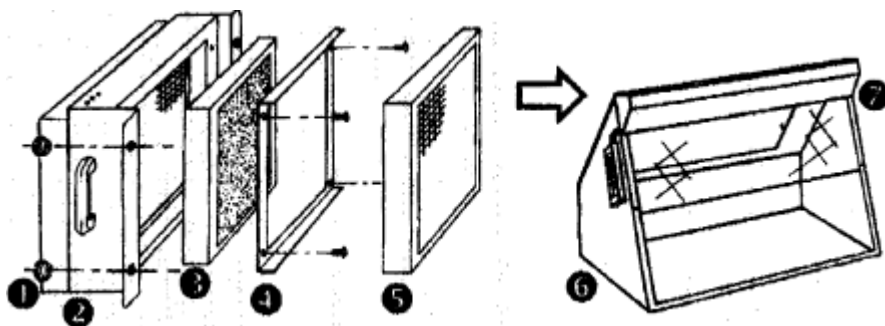
For use in situations where external venting is impractical and hydrocarbon vapour and gas necessary. Applications include the handling and use of Electrochemicals (cleaning solvents coatings etc) resins, Sealants and adhesives both in aerosol and static form, solder post and solder irons. Also used in orthopaedics and dental laboratories for controlling staff exposure to, typically, methyl methacrylate, cyanoacrylate adhesives and for the safe weighing of hazardous powders.
Optional accessories available include Part No's (T660H-C) pleated particulate filter for fine dust / powder and solder fume capture to 0.3-micron particles stainless steel spillage trays and perforated grids
These units are designed for operator protection whereby gases, fumes, vaporous and particulate contaminants are filtered, Cleaned air is exhausted at the rear of the cabinet

Filtration

The particulate filter (ref. 5) is a three stage, graduated fibre filter. The open structure of the first stage discourages surface loading and promotes depth filtration, ensuring a high dust holding capacity and reducing resistance to airflow The denser backing filter and final scrim material provides finer filtration to 5 micron. NB: Spray particulate size varies from 10 to 20 microns

An optional pleated, HEPA filter to 0.3 microns is available for high-grade filtration, typically to arrest solder fume (smoke) particulates ranging in size from 0.3 to 10 microns and potentially fine powders NB: Solder fume consists of 95% particulates and 5% gases The Activates carbon filter (Ref. 3beow) will adsorb a high percentage of solvent vapour and gases. Brief examples are given below of tests undertaken to asses the effective of the filters. A Gastec pump and colorimetric adsorption tubes were used to measure vapour and gas concentrations

- 1) Application : Protective coating for electronics applied by brush
Contaminant : Organic solvents (total hydrocarbon adsorption tubes were used)
Operator exposure working on a bench top was 180 ppm. Operator exposure using the fume hood was not detectable.
Exhaust air from the rear of the cabinet was less than 10 ppm (i.e. not detectable)
- 2) Application : Manufacture of dental prosthetics and hearing aid mouldings
Contaminant : Methyl methacrylate
Operator exposure working on a bench top was 200 ppm Operator exposure using the fume hood was not detectable.
Exhaust air from the rear of the cabinet was less than 10 ppm (i.e. not detectable)
- 3) Application : Electronic cleaning process using aerosol spray
Contaminant : Isopropyl alcohol (IPA)
Operator exposure working on a bench top was 1,500 ppm Operator exposure using the fume hood was not detectable.
Exhaust air from the rear of the cabinet was less than 10 ppm (i.e. not detectable)
NB : Specially treated carbon filters are available on request for specialist applications



SI No.	Description
1	Handwheels M6 × 4
2	Fan (blower) housing / mounting
3	4 kg or 8 kg activated carbon filter
4	Carbon filter retainer
5	Particulate (Intake) filter to 5 microns
5	Particulate (Intake) filter to 0.3 microns (opt.)
7	Hood Enclosure
8	Hood Lighting unit and polycarbonate panel

Part Number Table

Description	Part Number
Filter, Activated Carbon, 4 Kg	AC200

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