



Fume Filtration Hoods and Cabinets

Capture, contain and filter for a cleaner, healthier working environment within electronic design and rework, dental/ medical labs, pharmaceutical labs, design and technology, science in education and more..... For use in a multitude of situations where external venting is impractical but where contaminant capture and filtration is necessary.

Applications include the filtration of fumes, vapour and particulates emanating from:

Spray adhesives, conformal coatings and paints, monomers, hazardous powders and particulates, resins, sealants, solders, organic solvents and cleaners etc.

TES660H-C and TES930H-C Air Filtration Cabinets



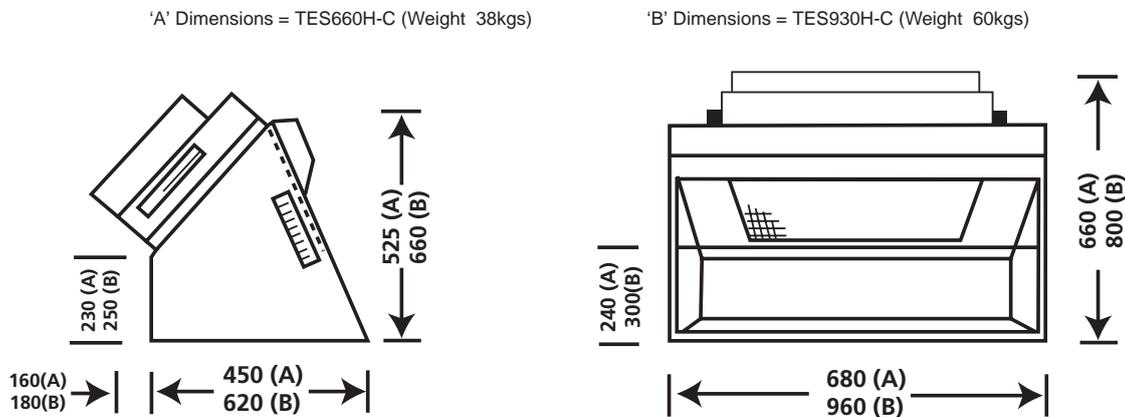
NOTE: These units are recirculatory; i.e. filtered air is exhausted back into the workplace

Description

Steel construction finished in dove grey – fan/filter unit mounted onto hood enclosure complete with clear polycarbonate panel and hood lighting – particulate (intake) filter – bonded carbon filter – centrifugal blower(s) (TES930C-H has 2 Blowers), external rotor motor type brushless, UL, VDE and CSA approved - sealed electricals, downstream of filters.

Operation

Handling and / or use of potentially harmful substances is carried out within the hood enclosure in front of the intake filter area. Cleaned air is vented to the top rear of the units.



Filtration

The particulate (intake) filter is a three stage graduated fibre filter with a high 'dust' holding capacity for long life. Filtration to 5 micron particles. (Optional HEPA filters available to 0.3micron particles). This is followed by a high grade bonded carbon Filter (3.5kg TES660H-C and 7kg TES930H-C).

Through the process of filtration, adsorption and dilution, operator exposure to potentially hazardous substances is vastly reduced or eliminated.

Specification

Model Number	Fan Motor* Spec	Air Volume At Free Air	Ave. Air Velocity At Filter Face	Ave. Air Velocity At Hood Face	Noise Level LAeq dB(A)
TES660H-C	230V 50Hz 105W	355 m3/hr	0.50 m/sec	0.50 m/sec	60
TES930H-C	230V 50Hz 210W	710 m3/hr	0.57 m/sec	0.55 m/sec	62

* 110 Volts 50 or 60Hz available if required

These units are designed for immediate operator protection from concentrations of airborne contaminants whereby all gases, fumes, vapours and particulates within the hood enclosure are filtered and cleaned air is exhausted to the top rear of the cabinet.