

FUME AND CONTAINMENT HOODS

Detail Specification

Construction : The unit consists of 2 main components, the Ventilation Filter Unit and the Containment Enclosure. The Containment Enclosure is supplied in component form so that it can be easily assembled in any location and this can be carried out by the local dealer or engineer. The enclosure is manufactured from acrylic sheet to give good visibility for reasons of safety and provide an environmentally friendly working area. The front screen is hinged to provide access for larger items and facilitate cleaning. A service access port is provided in the rear panel to allow electrical and other service to be used inside the enclosure.

Ventilation : The Ventilation Filter Unit is mounted on top of the enclosure and contains the pre-filter, carbon or HEPA filter, fan and exhaust filter/sound attenuator. The unit has a capacity well in excess of the required air volume requirements to ensure the unit can cope with changes in filter pressure drop.

Filters : The filter normally fitted in the ventilation unit would be a general purpose carbon but other carbon and toxic vapour removing granules can be provided for specific applications. Please consult our filtration guide or consult our staff for the selection of the correct grades of filter for your application. The unit is fitted with a pre-filter to extend the life of the carbon filter.

Fan System : The fan unit is manufactured to the European Standard EN 60335-CE with Class 1 protection and is fitted with a thermal overload protection to IP44 Insulation class B. The fan is of the centrifugal type and is run at low speed to provide a long life and low sound levels.

Electrical : The unit is designed to operate from a 220V single phase 50 cycle earthed supply but other voltages can be supplied on application.

Monitoring : It is essential in order to protect the health of laboratory staff to monitor the performance of the Containment Hood. The standard unit is fitted with a visible air velocity meter and a low flow alarm in the event of fan failure. A test port is also provided to monitor the saturation of the carbon filters.

Options :

- Exhaust adaptor so the unit can be ducted outside
- Stands with adjustable feet or castors
- Different filter grades to suit individual applications
- Electronic monitoring (some models)
- Polypropylene work trays
- Transparent rear panels for teaching applications

Physical Data



Model designation		FH220	FH201	FH202	FH203
Dimensions In mm	Overall width	675	800	1100	1500
	Overall height	875	885	885	885
	Overall depth	520	650	650	650
	Internal height	600	690	690	690
	Internal width	650	760	1060	1460
	Internal depth	480	640	640	640
Approx. total weight Kg		65	85	102	170
Approx. weight of filter Kg		8.5	8.5	12.5	2x8.5
Power consumption W		200	230	270	460
Velocity at front opening m/sec		0.5	0.5	0.5	0.5
Treated air volume cu. m./hr.		200	210	285	400
Sound level at 1m. dbA		55	57	59	59

The specification is in general terms only and STAF tech reserves the right supply equipment to the latest specifications.