



SafeFAST Elite

Class II Microbiological Safety Cabinets

Conforming with the strictest of safety standards SafeFAST Elite are Class II Microbiological Safety Cabinets designed and built to the performance requirements of European Standard EN-12469:2000 - 70% of air is re-circulated via the main Class H14 HEPA filter within the cabinet, whilst the remaining 30% is discharged through an exhaust Class H14 HEPA filter.

SafeFAST Elite cabinets have been adopted worldwide for product, personnel and environmental protection while handling harmful agents pathogenic to human beings and/or animals as defined in the appropriate international standards, in a wide range of disciplines in applications such as: Microbiology, Virology, Haematology, Cell culture, Genetics, handling agents hazardous to human beings or animals.



Benefits

Ergonomic Design: The angled, sloping front safety-glass sash provides optimum visibility of all objects placed in the interior workspace. The sash is electrically operated. Pressing the appropriate touch-sensitive keys will completely open or completely close down the sash. The standard sash-height opening during work is set to 250 mm. Alternative sash-height settings by the factory are possible upon request. The whole front of the safety cabinet, which includes the sash mechanism, can also be opened upwards as it is hinged on the top – this allows easy access for complete, effective cleaning and decontamination.

Inflatable gasketing: Available as an option to provide effective sealing of the internal workspace of the chamber for purposes of fumigation/sterilization.

Silent Operation: The textile plenum, the structures of the electric motors of the fans fitted on their anti-vibration mounts and the software itself designed to provide optimum airhandling characteristics guarantee quiet operation of this silent safety cabinet, with sound-pressure levels recorded way below the parameters specified in the current EN:12469 European Standard for Microbiological Safety Cabinets.

Protection grid: Made of AISI 304 stainless steel a protection grid is provided behind the rear panel (where air flows), in order to avoid de-contamination costs should tissue used during cleaning operations be sucked in the motor-blower causing the failure of the blower itself and/or of anemometer.

High Level Lighting: The safety glass side-windows with the ideal positioning and sizing of the light-system provide the highest level of luminosity to the work area.

Easy handling and maintenance: The safety cabinet can pass through 800 mm wide door openings. In fact, the overall depth of the cabinet can be reduced to approx. 790 mm by removal of the rear panel. All service operations are available from the front of the cabinet.

Specification:

Rear wall in stainless steel AISI 304L: Designed to conform with the requirements and pass the “cleanability test” according to EN12469:2000.

AISI 316 work surface consisting of sections which are easily removable for carrying out routine cleaning and/or autoclaving sterilization procedures; closed or perforated on request.

Re-circulating and extractor fans: The ‘S’ Series of SafeFAST Elite are supplied with single centrifugal fan. The ‘D’ Series are supplied with double centrifugal fan to provide complete operator, product and environmental protection. Moreover the ‘D’ models fitted with double motor-fan are designed and are also suitable to discharge the filtered air outside the laboratory through a ducting system if required.

Microprocessor based monitoring system: Full status report provided via digital display by the new generation microprocessors – which automatically control all functions and all safety alarm systems ensuring that performance characteristics are maintained to EN12469:2000 requirements. High power lithium battery keeps safety data saved to microprocessor system.

The user-friendly practical keyboard and the rear-lit LCD will continuously display all required data keeping the user constantly informed of the cabinet conditions in operation, and in particular display of:

- laminar airflow velocity and frontal air barrier velocity
- inside and outside temperature
- residual lifetime of HEPA filters, UV Lamp and carbon filter (if fitted)
- total number of hours of operation & level of saturation of HEPA filters

Audio-visual alarms provided for:

- out of range or incorrect laminar airflow velocity and frontal air barrier velocity
- incorrect position of front sash-window
- saturation of HEPA filters
- end of life-cycle of UV lamp and saturation of activated carbon filter (if fitted)
- blockage in the exhaust duct
- fan-motor malfunction & power failure

Code	Model	Useful Dimensions mm			Overall Dimensions mm			Power	Weight
		W	H	D	W	H	D	Kw	Kg
F74800110	SafeFAST Elite 209 S	899	700	600	1045	1500	860	0.7	170
F74800120	SafeFAST Elite 212 S	1194	700	600	1350	1500	860	1	195
F74800130	SafeFAST Elite 215 S	1499	700	600	1655	1500	860	1.2	225
F74800140	SafeFAST Elite 218 S	1804	700	600	1960	1500	860	1.4	260
F74800210	SafeFAST Elite 209 D	899	700	600	1045	1500	860	0.85	175
F74800220	SafeFAST Elite 212 D	1194	700	600	1350	1500	860	1.1	200
F74800230	SafeFAST Elite 215 D	1499	700	600	1655	1500	860	1.3	230
F74800240	SafeFAST Elite 218 D	1804	700	600	1960	1500	860	1.5	265

Options:

- UV Lamp with full programmable timer
- Customized work surfaces
- Epoxy powder painted modular stand
- Stainless Steel modular stand
- Electrical adjustable stand (700-1000 mm height)
- Electrical power socket
- Service connection for gas/vacuum (manual tap)
- Socket for data (RS232, RS485 or RJ45)
- Exhaust Carbon filter for SafeFAST Elite (only D model)
- Exhaust HEPA filter for SafeFAST Elite (only D model)
- Anti-blowback valve
- Exhaust hard duct connection
- Exhaust thimble connection
- 3-Drawers unit on pivoting wheels
- Volt free contact
- Arm rest
- Inflatable Gasket for front sealing
- Vacuum pump for inflatable gasket