

foster+freeman

Forensic Science Equipment



MVC[®]/D fingerprint fuming cabinets

1000 | 3000 | 5000

Simple to use

Automatic and manual modes of operation.

Consistent results

Self regulating system maintains optimum conditions throughout fuming process

Self-contained cleansing system

No external venting required

Compatible with PolyCyano UV

Exclusive one-stage fuming process

Available in four sizes

190 litres, 280 litres, 730 litres, & 2009 litres

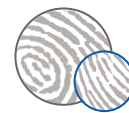
Built to last

Robust construction and trusted technology.

Product Update: MVC3000/D3

A new medium-capacity fuming cabinet with upgraded features including LED illumination and easy-clean removable fan units.

Reliable . Consistent . Performance



One-stage development **PolyCyano UV**

All MVC cabinets are designed to accommodate Cyanoacrylate or PolyCyano UV, a new one-stage glue/stain process for developing fluorescent fingerprints without the need for further staining.

Product update **MVC®3000/D3**

The MVC3000/D3 is a redesigned medium-capacity fuming cabinet providing new features to improve the speed, consistency and quality of results.

Notable improvements include:

Internal LED illumination

To increase print contrast

New structural frame

With larger inspection windows

Improved glue heater & steamer

To reduce the overall cycle time

The MVC range of fuming cabinets are the latest and most advanced cyanoacrylate fuming cabinet from Foster + Freeman, a range of systems for the development of latent fingerprints with cyanoacrylate monomer from the vapour phase

Automatic & Manual operation

Choose to run automatic preset fuming cycles or take full manual control of every stage of the development process.

Operating under automatic control, the complete humidification, cyanoacrylate fuming and fume extraction process proceeds without operator intervention according to recommended preset parameters.

Under manual control, each phase of the development process is initiated separately, enabling the operator to extend or terminate the fuming process for best results.

Reliable Safety Features

The health and safety of the operator is paramount. Once the fuming process has been activated safety interlocks prevent the door from being opened until the cleansing process has been completed at the end of the cycle.

All MVC cabinets feature self-contained cleansing systems consisting of high capacity, fan driven, activated carbon filters.

The cleansing process occurs at the end of each complete fuming cycle and, when the cabinet is not in operation automatically for a short period every ten minutes to eliminate any build up of cyanoacrylate vapour.

Consistent Results

The MVC range of cabinets have been designed to accommodate either Cyanoacrylate or PolyCyano UV, a new one-stage glue/stain process for developing fluorescent fingerprints, without the need for further chemical staining.

During the development process fans continually circulate the atmosphere in the chamber to ensure that fingerprint development is uniform while sensors monitor and control the internal

humidity to maintain optimum conditions.

Toughened glass panels on each side of the MVC cabinets afford the operator a 360° view of evidence throughout the fuming process.

DNA Decontamination

Safety interlocked UV-C lamps are available for all MVC cabinets to provide DNA decontamination. Emitting high energy shortwave UV at 254nm, the lamps will destroy exposed DNA adhering to the internal surface of the cabinet.

One lamp is recommended for the MVC1000/D2 and MVC1000/XL, Two for the MVC3000/D3 and Three lamps for the MVC5000/D which must be ordered with the cabinet.

UV-C lamps can be retrofitted to MVC1000 cabinets in the field. MVC3000 and MVC5000 cabinet upgrades require factory modification.

Dimensions & Specifications



Cabinet Dimensions

	MVC [®] 5000/D	MVC [®] 3000/D3	MVC [®] 1000/D2	MVC [®] 1000/XL
Capacity	2009 litres	730 litres	190 litres	280 litres
External	Height 2220mm (87.4") Width 1500mm (59.1") Depth 895mm (35.2")	Height 1775mm (69.9") Width 863mm (34") Depth 890mm (35")	Height 780mm (30.7") Width 615mm (24.2") Depth 628mm (24.7")	Height 1080mm (42.5") Width 615mm (24.2") Depth 628mm (24.7")
Internal	Height 2095mm (87.4") Width 1445mm (56.9") Depth 795mm (31.2")	Height 1270mm (50") Width 804mm (31.6") Depth 798mm (31.4")	Height 710mm (27.9") Width 555mm (21.8") Depth 550mm (22.8")	Height 1010mm (39.7") Width 555mm (21.8") Depth 550mm (22.8")
Door aperture	Height 2060mm (81") Width 762mm (30")	Height 1230mm (48.4") Width 768mm (30.2")	Height 670mm (26.3") Width 377mm (14.8")	Height 670mm (26.3") Width 377mm (14.8")

Common Specifications

Operating Modes	Manual & Automatic	Filter type	Activated carbon (replaceable)
Humidity Level	Variable from 60 to 90%RH	Filter lifetime	At least 80 cycles
Temperature	Preset to 120 or 230°C	Fume cleansing	MVC1000/D2 10 minutes MVC1000/XL 15 minutes MVC 3000/D 16 minutes MVC 5000/D 40 minutes
Air circulation	Fan assisted		

Installation & Service

MVC 5000/D and 3000/D3 cabinets are supplied flat-packed to be constructed on-site by trained personnel.

Following installation, every cabinet is tested to ensure that the residual level of cyanoacrylate vapour is below the recommended safety levels.

Regular servicing is recommended in order to maximise the performance and life span of MVC cabinets.



Accessories & Consumables

Cabinet Accessories

Uninterruptable Power Supply capable of supporting a complete machine cycle in the event of power failure	MVC/UPS
Cabinet Cleaning Kit contains all items required to maintain the interior of MVC/D cabinets	MVC/CLKIT
Evidence Hanging Hooks pack of 10 hooks	MVC/HOOK
Foil glue dishes x200	MVC/HOOK

Carbon Filters

Easily installed activated carbon filters For MVC 1000/D2 (lasts for 150 operations*)	MVC/FILT2
For MVC 1000/XL (lasts for 100 operations*)	MVC/FILT2
For MVC 3000/D3 (lasts for 100 operations*)	MVC/FILT1
For MVC 5000/D (lasts for 80 operations*)	MVC/FILT

**filter life based on cabinets using Cyanobloom superglue*

DNA Decontamination

DNA decontamination lamp 55W, UV-C (254nm peak wavelength) lamp. For MVC 1000/D2 & XL For MVC 3000/D3 For MVC 5000/D	MVC1/SWUV MVC3/SWUV MVC5/SWUV
UV-C lamp storage enclosure Holds 1, 2, or 3x UV-C lamps. For MVC 1000/D2 & XL For MVC 3000/D3 For MVC 5000/D	MVC1/UVSU MVC3/UVSU MVC5/UVSU

Consumables: Superglue

Cyanobloom superglue Ethyl-2-cyanoacrylate, shelf life 6-12 months 1 x 500g bottle 20 x 20g bottles	MVC/GLUE MVC/GLUE20g
PolyCyano UV 1 x 60g One-stage dye/stain treatment	QCL/GLUE/PCY

Portable Fuming Systems additional fingerprint fuming products from Foster + Freeman

SUPERfume®

Crime scene cyanoacrylate fuming system



A cyanoacrylate fuming system for developing latent fingerprints in situ at major scenes of crime.

Designed to treat domestic rooms, offices, garages and vehicles, the kit eliminates the need for dismantling fixtures and fittings and transporting items back to the laboratory for processing.

MVC® lite

Portable cyanoacrylate fuming chamber



A fully portable fingerprint fuming chamber mounted within a rugged weather-proof case, the MVC lite retains all the features of a full sized fuming chamber and can be used for the development of latent fingerprints using both cyanoacrylate and PolyCyano UV, the cyanoacrylate/fluorescent stain that eliminates the need for subsequent chemical staining.