

Vacuum-Cyanoacrylate-Fuming-Chamber VCV 57L/141L with activated carbon Circulation Cleaner and Touch-Panel



Cyanoacrylate is vaporised in a fuming chamber. The cyanoacrylate attaches to the remaining humidity of the mark, polymerizes and can be seen as white deposit.

Some drops of cyanoacrylate along with non-absorbent items containing evidence are put in the vacuum chamber. The vacuum, that is created by a vacuum compressor, develops the traces in a usual way. The quality of developing traces is good to very good. Items containing evidence can be stained with fluorescent substances, like conventional ones.

In a dish for vaporisation 10 to 20 drops of cyanoacrylate are poured. For vaporizing items containing evidence a small quantity of cyanoacrylate is sufficient. After closing the door of the vacuum cyanoacrylate chamber, the vacuum compressor is turned on, thereby the air in the vacuum chamber is pumped down. As a result, a vacuum is generated. The time period needed for the fuming depends on time since the trace has been taken, depending on origin or surface of the item containing evidence. In general, the time period lies between 20 and 60 minutes. It is recommended to check the item containing evidence periodically. There is no danger of an overdevelopment. Even for a recently found evidence the result is still good after a fuming time of 90 minutes.

Traces on aluminium foil can be fumed even when it is rumpled. After the fuming, extend the foil and examine the dactyloscopic traces carefully. Only where fingerprints are visible, the aluminium foil needs to be flattened. Generally, the cyanoacrylate traces are wiping resistant, therefore the flattening can be considered as low-risk.

Traces on silicone release paper can be easily secured with the fuming chamber. Traces get visible and wiping resistant. It is possible to stain the traces with fluorescent substances. Traces within minigrip-bags (evidence bags) develop as good as outside the bag. Even large items containing evidence can be fumed using only little space. There is little danger to destroy traces by previous treatment of the item containing evidence. Before treatment in the fuming chamber, for lots of objects there is no need to unpack.

As standard a heating is built in to shorten the development time within the vacuum chamber significantly.



Technical Data 54696:

Volume: 57 L
External Dimensions: 820 x 565 x 840mm (WxDxH) made of polypropylene
Weight: 121kg
Connected load: 230V/50Hz, 600W
Vacuum: final vacuum up to -950 bar

Technical Data 54868:

Volume: 141L
External Dimensions: 820 x 1355 x 840mm (WxDxH) made of polypropylene
Weight: approx. 140 kg
Connected Load: 230V/50Hz, 600W
Vacuum: final vacuum up to -950 bar

Made in Germany

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