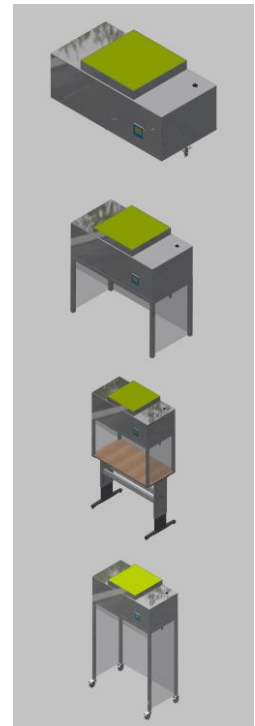


## Functional description

**Applies to: add-on module, table model, height-adjustable and mobile model**

<b>System explanation too</b>	<p><b>Clean room workplace (ISO 5), model Silent-Premium with integrated VarioClean flow-touch screen control with diverse easy-to-use programming options and top design</b></p> <p>All systems from the VCF series can be manufactured individually according to customer requirements. As a result, we are not bound to any fixed dimensions and expansion requests. This modular series gives the user the following significant advantages at no additional cost</p>
<b>Particularities</b>	<ul style="list-style-type: none"> <li>• The dimensions of the new systems can be designed flexibly and can be adapted to individual customer needs</li> <li>• The ventilation module type VCF_PM has been developed from scratch. The module consists of aluminum construction, in which the high-performance fan vibration damper is built.</li> </ul>
<b>Technology</b>	<ul style="list-style-type: none"> <li>• Night reduction / 3 language display D / F / E (energy saving)</li> <li>• Monitoring the flow rate (digital display)</li> <li>• Filter clogging indicator</li> <li>• No interference from the operator by air flow</li> <li>• Whisper-quiet operation 43 dB (A) at 0.20m / s (with currently the quietest fan on the market)</li> <li>• Individual dimensions</li> <li>• Available with brightness-controlled high-performance LED on request</li> </ul>
<b>Additional benefits</b>	<ul style="list-style-type: none"> <li>• Up to 10 additional workstations (SLAVE) can be operated in series with one (PILOT system), thereby massively reducing the investment costs.</li> <li>• When using the VarioClean Flow systems, a large amount of air is circulated and thus also cleaned of airborne viruses and bacteria. This massively improves the air quality in the surrounding area.</li> </ul>



There are no limits to your individual wishes. Please contact us!  
Optimal planning and design guarantees years of successful quality.

### Laminarflow Silent-Premium

#### Intended use

The Laminar Flow Silent-Premium is ideally suited to delimit work areas in accordance with clean room requirements. The unit is used to filter out particles or germs from the ambient air and thus guarantees a clean room atmosphere. Thanks to the modular system concept, the device can be used flexibly.

#### Purity class

The laminar flow unit works on the principle of laminar displacement flow with vertical air flow. It meets the requirements of cleanliness class 5 according to DIN ISO 14644-1, this corresponds to cleanliness class 100 according to US-FED-STD 209e.

#### Prefilter

The ambient air is pre-filtered using an easily exchangeable pre-filter of filter class G4. The pre-filter is designed for large volume flows and long filter service lives.

### Fine filter

The particles are separated using a high-performance H14 class particle filter. The degree of separation of this filter is 99.995% according to EN 1822. The maintenance-friendly device design makes it easy and inexpensive to replace

### Fan

The air flow is generated by high-performance fan modules with an energy-saving motor. The wheels are statically and dynamically balanced. The compact module housings are made of aluminum sheet the filter directly at the installation site. Whisper-quiet operation 43 dB (A) at 0.20m / s

### Control with automatic speed control

The desired air speeds can be set manually via a multifunction display with plain text display. With the automatic speed control, the air speed is automatically kept constant even with increasing filter resistance (increasing filter contamination). For this purpose, the air speed at the filter outlet is permanently measured with a precise flow probe and the engine speed is adjusted accordingly.

Other useful functions such as e.g. Timer function for any day / night changeover to save energy, change language to 3 languages etc.

### Frame

The Laminar Flow Unit is made of aluminum construction.

### Dimensions

	Widths [mm]	Lows [mm]	Heights [mm]	Available working space heights [mm]
Extension module	900/1200/1500/1800	600/900	500	
Table model	900/1200/1500/1800	600/900	1205	720
Height adjustable model	900/1200/1500/1800	600/900	1205 + Table height (variable from 750mm to 1205mm)	720
Mobile model	900/1200/1500/1800	600/900	2075	1440

Special dimensions also possible for an additional charge

### DECISION MAKERS - FACTS

#### For the user

- Electronic control / type touch screen type Inertec ITron. Individual flow speed / night reduction / min 3 language display D / F / E
- Monitoring the flow rate (digital display)
- Filter contamination display with visualized bar chart 0 - 100%
- 2 filter levels, increases the service life of the main filter
- No operator interference from airflow
- Whisper-quiet operation model (43 dBA at 0.20m/s)
- Statically extremely stable design and thanks to supporting cladding panes.
- All paneling parts are flush-mounted with the chassis, thus guaranteeing optimal clean-room cleaning. The technology deck is completely airtight.
- Integrated power connector with on-off switch for easy plug-in wiring.



Zögern Sie nicht uns zu kontaktieren, sollten Sie noch Fragen haben  
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