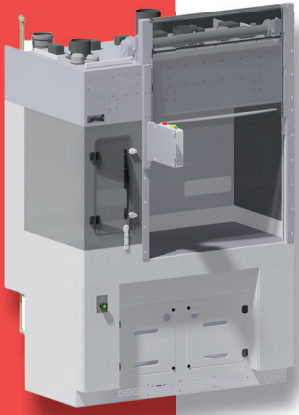


# Combination station vertical



## Configuration

- Front sash with individual settings
- Light curtain for activity monitoring
- Integrated lighting
- Monitoring of filter pressure and differential pressure
- Integrated pass-through
- Monitoring of temperature
- Programmable logic controller (PLC) for monitoring and controlling function, ventilation, equipment
- Filters for supply air according ISO class

## Optional features

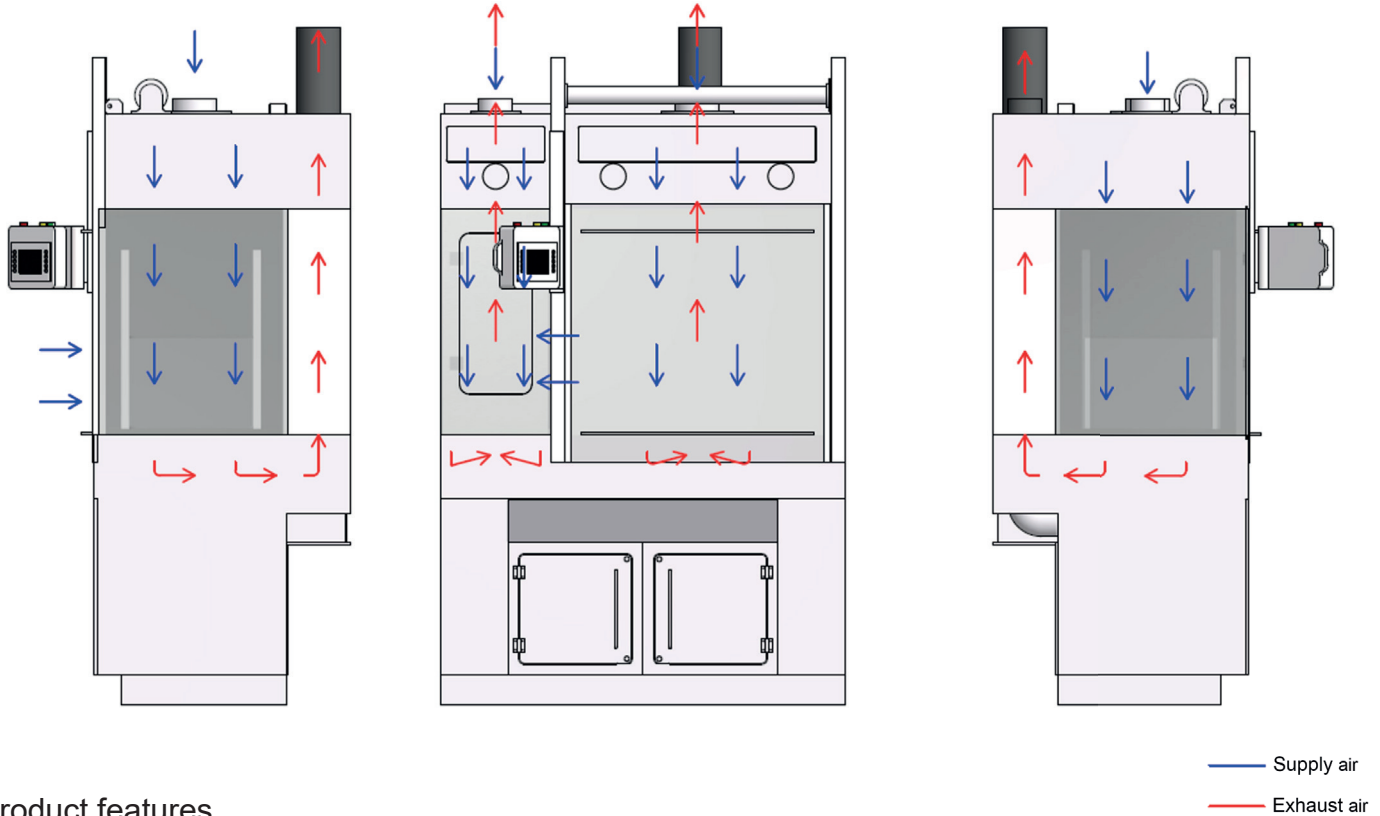
- Connections for hotplates
- Bottling station (various versions)
- Underfloor flushing
- Dropping
- Media supply acc. customer requirements
- Remote maintenance
- Control units for media (hand, foot, display)
- Integrated ultrapure water system (various manufacturers)
- Still
- Ultrasonic basin
- Base cabinet with revolving doors or drawers
- Exhaust air scrubber and exhaust air irrigation

## Technical data

Materials	PP, PET, POM, PFA, PVDF
Operating voltage	400 V, 5-pin
Air volume requirements	Working chamber: Supply air min. 300 m <sup>3</sup> /h, exhaust air min. 375 m <sup>3</sup> /h; Evaporation chamber: Supply air min. 150 m <sup>3</sup> /h, exhaust air min. 150 m <sup>3</sup> /h (Width: 1200 mm)
Air velocity in working area	ca. 0.15 m/s
Terminal supply air filters	High-performance HEPA filter, filter class H13 to U16 (depending on requirements) with pre-filter F9
Cleanroom classes according DIN EN ISO 14644-1	Class 3 or better (0.2 µm, 0.3 µm, 0.5 µm, 1 µm, 5 µm) „at rest“
Compliance with the DIN EN ISO 14175	Defined safety specifications of the retention and air exchange capacity for personal and product protection
Illuminance	> 750 Lux in both chambers
Interfaces	Ethernet or other common fieldbus systems and serial interfaces
Dimensions	1200 x 975 x 2260 mm (W x D x H), Widths 1500 mm and 1800 mm also available
Weight (without equipment)	260 kg for 1200 mm width (320 kg, 380 kg for higher widths)
Dimensions working area	1180 x 690 x 880 mm (W x D x H), width varies with total width
Dimensions evaporation chamber	Width x 690 x 880 mm (W x D x H), width varies with total width 400 x 690 x 880 mm (W x D x H)
Working height	900 mm
Front sash opening height	Individually adjustable via PLC



# Combination station vertical



## Product features

- Supply air via available supply air from in-house ventilation system or via fans and room air intake
- Supply air is fed into the working area via terminal filter independently of each other in both chambers
- Control of supply air, recirculated air and exhaust air via the PLC ensures the correct pressure in both chambers
- Vertical laminar flow is realized by a fine-meshed monofilament fabric in the whole working and evaporation chamber
- Monofilament fabric can be changed
- Exhaust air is extracted through a perforated floor via underfloor basin independently of each other in both chambers
- Compliance with DIN EN 14175
- Exhaust air can be discharged via air scrubbers or directly transferred to the exhaust air system (depending on the used chemicals)
- Room air can also be extracted via the base module and fed into the ventilation system ('recirculating air')

## Contact & Support

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