

Workstation horizontal

Configuration

- Different front door/sliding sash combinations (clear)
- Door/sash position sensors
- Integrated LED lights
- Monitoring of differential pressure and filter loading
- Temperature monitoring of exhaust air
- Programmable logic controller (PLC) for monitoring and controlling of operation, airflows, and equipment
- Supply air filters according to ISO class
- Volume flow controllers for supply and exhaust air

Optional configuration

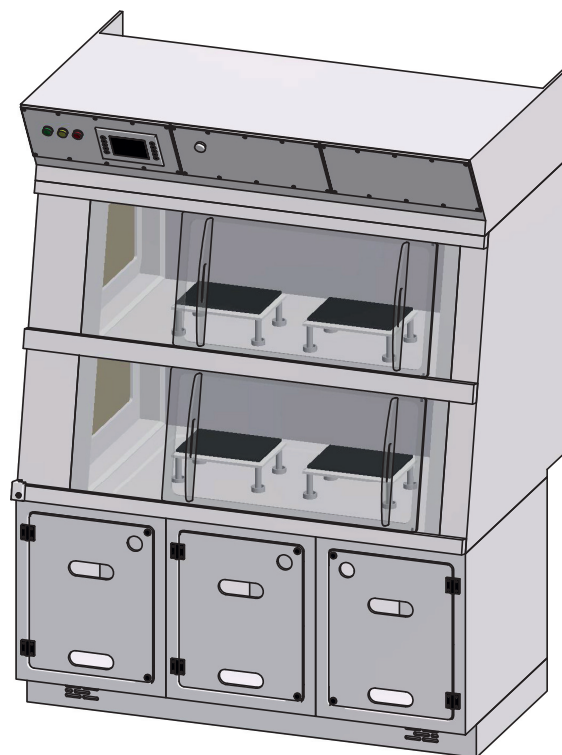
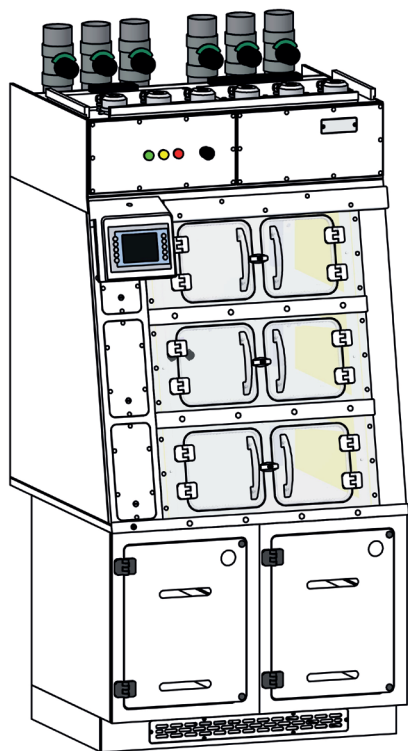
- Connections for hotplates
- Bottling station (various versions)
- Up to three shelving tiers for hotplates or storage
- Customized media supply (interior and exterior)
- Remote monitoring and servicing
- Integrated ultrapure water system (various manufacturers)
- Integrated acid stills
- Ultrasonic basin
- Base cabinet (vented) with hinged doors or drawers
- Exhaust air scrubber and exhaust air irrigation

Technical data

Materials	PP, PET, POM, PFA, PVDF
Operating voltage	400V/50Hz 16A or 208V/60Hz 20A
Air requirements	Supply air and exhaust air approx. 400 m ³ /h - 500 m ³ /h depending on model
Air velocity in working area	approx. 0.15 m/s
Terminal supply air filters	High-performance HEPA/ULPA filter, class H13 to U16 (depending on requirements)
Cleanroom class according DIN EN ISO 14644-1	Class 3 or better „at rest“
Illuminance	> 750 Lux
Interfaces	Ethernet or other common fieldbus systems and serial interfaces
Dimensions	1500 mm x 950 mm x 1300 mm (W x D x H, without base module), widths 1200 mm and 1000 mm also available
Weight (without equipment)	100 kg - 180 kg, depending on width and number of shelves (without base module)
Dimensions working area	1150 mm x 715 mm x 850 mm (W x D x H) for 1500 mm total width
Working height	900 mm, from 700 mm for 2- and 3-tiered models
Front sash opening width	Manually adjustable



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Product features

- Metal-free construction (no exposed metal) to prevent contamination and corrosion
- Supply air provided directly from ventilation system (via dedicated duct) or, alternatively, pulled from room (using support fan)
- Horizontal laminar flow achieved through a fine-meshed monofilament fabric diffuser
- Laminar airflow throughout the entire working chamber
- Control of supply air and exhaust air via the PLC ensures the correct pressure in the working chamber
- Compliant with DIN EN 14175-3 safety and performance standards (containment, air exchange efficiency)
- Simultaneous protection of personnel and samples/products
- Outstanding air and energy efficiency due to optimized and smart airflow management
- Exhaust air can be discharged via air scrubbers or directly transferred to the exhaust air system
- Room air can also be extracted via the base module and fed into the ventilation system ('recirculating air')

Contact & Support

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