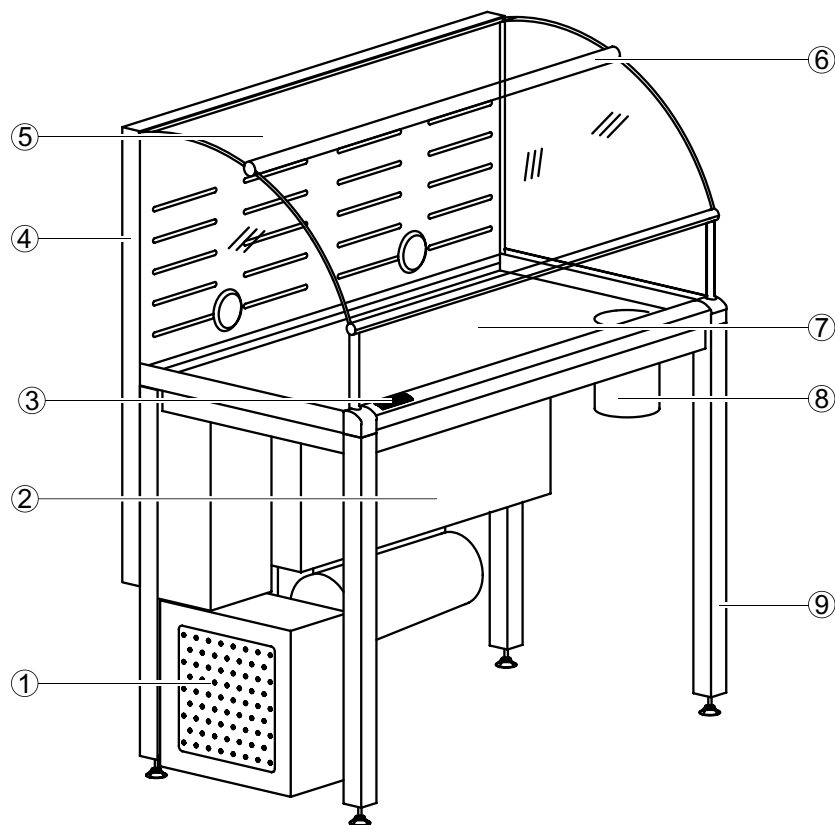


Intended use

- Protection against airborne particles or aerosols, which can be released when weighing powdered or dusty substances
- Accommodation of high-resolution laboratory balances from all popular manufacturers
- Fully vibration-free environment free from draughts, which micro-balances require
- Precise and safe working with highly active substances
- Completely vibration-decoupled and impact-dampened worktop
- A design focused on functionality and ergonomics meets the most exacting quality and safety requirements
- All functions are at your fingertips and can be selected using the integral control panel
- Air foil cill for optimum supply air flow, which doubles as an ergonomic armrest
- Disposal of any waste produced directly via the waste disposal system integrated in the worktop
- Arrangement of the filter and separate vibration-decoupled fan unit guarantees maximum legroom
- The fully welded steel support frame sub-structure, connected to the vibration-decoupled bearing of the solid ceramic worktop, guarantees fault-free operation, even when using highly sensitive micro-balances

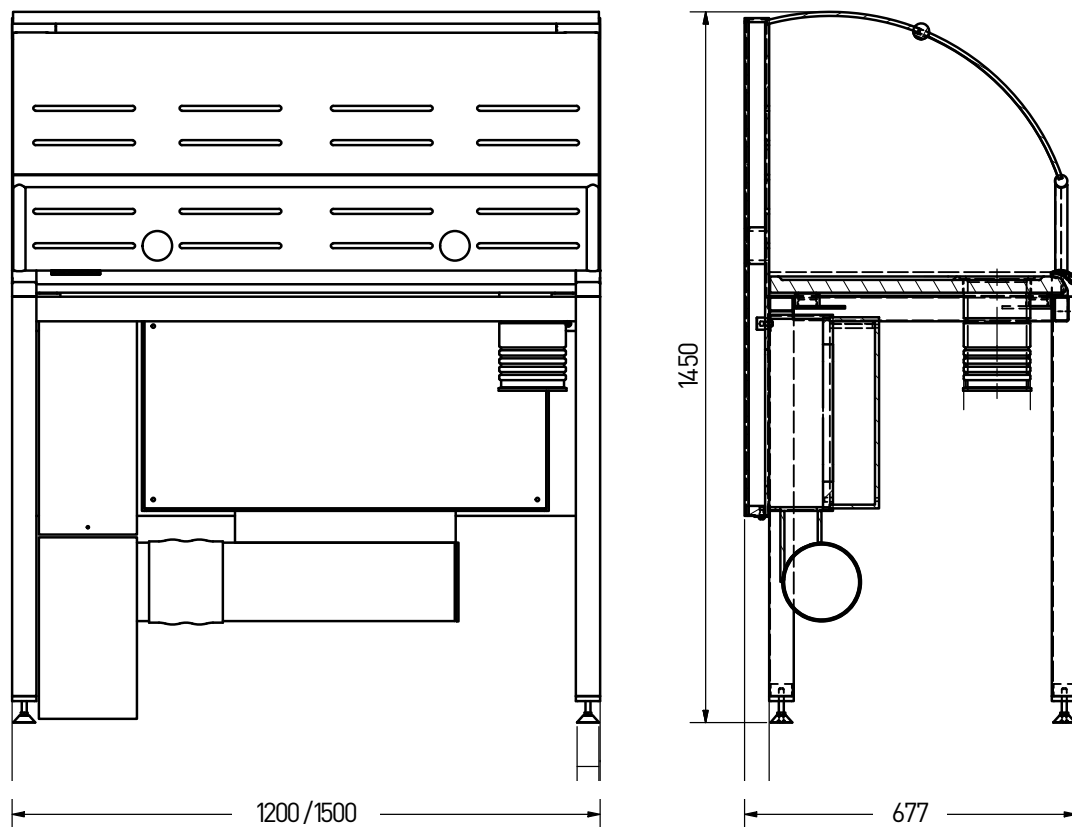
Construction



- 1 Fan
- 2 Filter box with HEPA filter
- 3 Fume hood function display control panel
- 4 Double-walled rear wall with two cable through-puts
- 5 Plexiglass head unit and folding front screen
- 6 Hinge with integral lighting
- 7 Vibration-decoupled worktop
- 8 Waste disposal system
- 9 Welded steel support frame

Special fume hoods AKKURAT

Dimensional drawing



Technical data

Dimensions	1200	1500
Width [mm]	1200	1500
Depth [mm]	650	
Height [mm]	1450	
Clear width of internal space [mm]	1155	1455
Effective depth of internal space [mm]	575	
Clear internal height of internal space [mm]	530	
Working height [mm]	900	

Weight	1200	1500
Without installation [kg]	120	135

Special fume hoods AKKURAT

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Fume hoods and extraction devices

Design characteristics	1200	1500
Supporting construction	Steel support frame, fully welded with height-adjustable feet	
Desktop	Technical ceramic with raised edge on all sides	
Upper part	Fully plexiglass upper part Upwardly-hinged front screen LED lighting integrated into the hinge for the front screen Rear wall with integral exhaust system and 2 cable through-puts	
Rear wall	Double-walled, PP white, UV-resistant	
Ventilation	Fan in separate housing with frequency converter for continuously variable speed control	
Filter	HEPA H14 particle filter as per DIN EN 1822 filter exchange with almost no contamination due to the bag exchange method	

Display / Operation	
Control panel	Control panel with 5 illuminated keys integrated flush with the air foil cill, under which the flow passes, on the front edge of the operating opening
Displays	<ul style="list-style-type: none"> - Equipment On/Off - Lighting On/Off - Air flow monitoring – alarm triggered when the limit is transgressed - Front opening monitoring – alarm triggered when the front screen is opened - Filter change (time-dependent) - Colour temperature LED lighting – switches between daylight white and neutral white
Operation	<ul style="list-style-type: none"> - Equipment On/Off - Lighting On/Off - Colour temperature lighting - Air flow alarm acknowledgement - Front opening alarm acknowledgement - Filter change alarm acknowledgement

Handling	
Working substances	Powdered or dusty substances (e.g active ingredients for drug production)
Equipment	Laboratory balances from all popular manufacturers

Ventilation technology	1200	1500
Extract air monitoring	Air volume measurement using the measuring equipment of the fume hood function display	
Face velocity	0,2 m/s (+/-10%) at 140 m³/h optional 0,3 m/s	0,2 m/s (+/-10%) at 180 m³/h optional 0,3 m/s
Noise level	54 dB	
Standard filtering	HEPA / ULPA filter H14 according to DIN EN 1822	
Voltage	230 V	
Power consumption	250 W	
Ventilation connection Ø [mm]	160	
Air exchange rate [m³/h]	140	
Pressure loss [PA]	80	

Options	
Ionisation	The separately switched ionising system, which is fully integrated in the balance enclosure, neutralises the non-conductive surfaces in the interior workspace of the balance enclosure and diverts electrostatic charges from the samples. The capacitively working high-voltage electrodes in the inflow area of the front opening are designed to be touch-safe.