

## Technical Data Sheet

### EXPLORIS VarioTop

**FOR INTERNAL USE ONLY**



## 1. Dimensions and weights

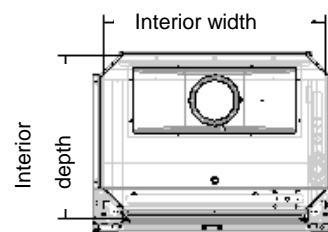
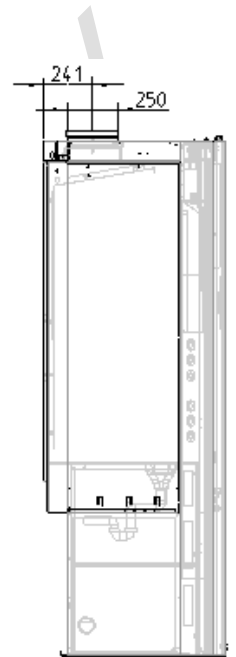
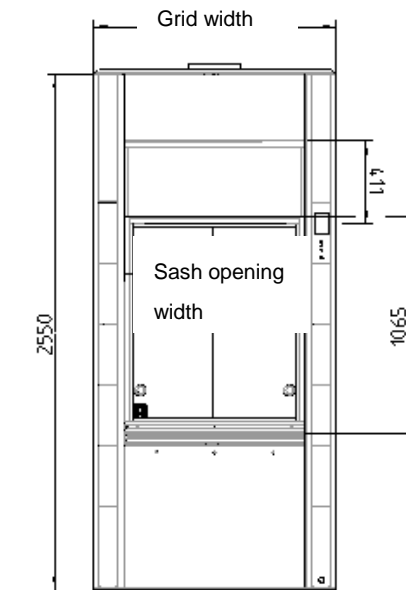
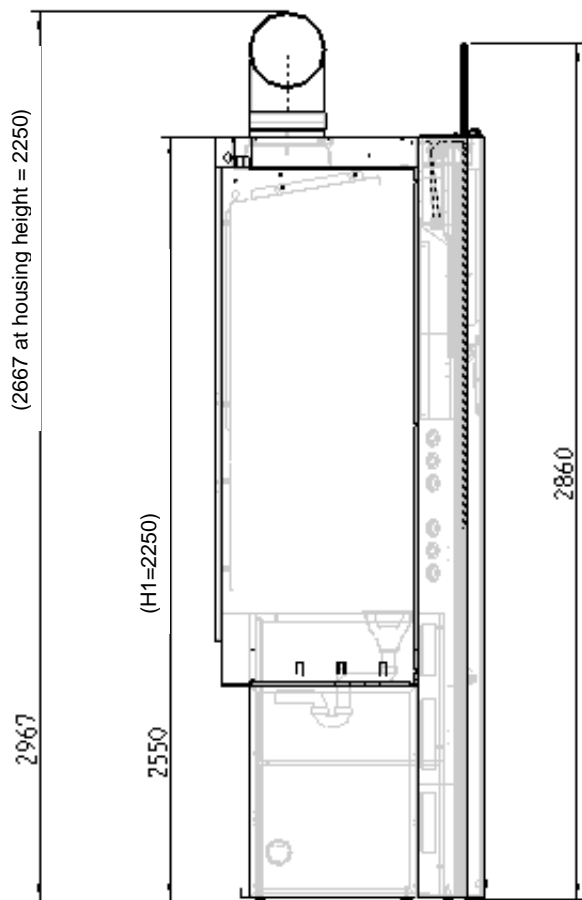
Designation according to DIN	TA1200x 900-900	TA1500x 900-900	TA1800x 900-900		
Type designation	2-401				

External dimensions							
Width	B	[mm]	1200	1500	1800		
Depth			900				
Front heights	F		2550				
Housing height	H		2550				
	H1		2250				
Opening height, one-piece sash			2860				
Required room height with exhaust air connection DN... and housing height... (with exhaust air 90° bend applied directly)							
Connection DN 250	H		3000				

Internal dimensions							
Free sash opening /Sash opening width	B	[mm]	896	1196	1496		
Depth			800				
Height	with housing height H1		1200				
	with housing height H		1500				
Worktop height			750-900				

Weights							
Weight without worktop with housing height	H=2550	[kg]	217	242	268		
	H1=2250		210	234	259		
Worktop weight (with sink)	Ceramic / Frame		[kg]	43/42	57/46	73/50	
Admissible load of worktops	on an area of 120x120mm		[kg]	200			
	distributed on worktop			200	200	210	
Required load-bearing capacity without underbench cabinet, with heaviest worktop and maximal load of the worktop			[kg]	500	545	600	

## 2. Graphical representation



### 3. Ventilation specifications EXPLORIS VarioTop®

#### a. Constant air volumetric flow according to DIN EN 14175

Fume cupboard width	B [mm]	1200	1500	1800	
Minimum admissible volumetric flow (Alarm value)	V [m <sup>3</sup> /h]	480	600	720	
Volumetric flow to be set	V [m <sup>3</sup> /h]	500	650	750	
Maximum admissible volumetric flow	V [m <sup>3</sup> /h]	1500	1500	1500	
Exhaust air connection DN 250 (Sleeve Ø252):					
Values for volumetric flow to be set	Loss of pressure	$\Delta P_{\text{Verlust}}$ [Pa]	27	35	43
Closed sash!					

#### 4. (Electrical) connection loads

For fume cupboards without fuses with CEE socket and/or more than one circuit			400 V; 50 Hz; 3/N/PE; 0,4 A max. fuse: 3 x 16 A (on site)
For cupboards without fuses without CEE socket and only one circuit			230 V; 50 Hz; L/N/PE; 0,4 A max. fuse: 16 A (on site)
For fume cupboards with fuses			400 V; 50 Hz; 3/N/PE; 0,4 A max. fuse: 3 x 35 A (on site)
Without regulation	Connection for external visual <b>and</b> audible alarm (not available for fume cupboards without airflow monitoring)		Potential-free change-over contact for AC 230 V. Load: max. 250 V/AC, max. 5 A, 150 VA inductive
	Connection for fan control	Fume cupboards with airflow monitoring	Potential-free closer contact for AC 230 V. Load: max. 250 V/AC, max. 5 A, 150 VA inductive
		Fume cupboards without airflow monitoring	Potential-free closer contact for AC 230 V. Load: max. 250 V/AC, max. 16 (10) A
With regulation		Connection for external visual <b>or</b> audible alarm	Potential-free change-over contact for AC 230 V. Load: max. 250 V/AC, max. 5 A, 150 VA inductive
Intensity of interior lighting			> 500 Lux

## 5. Service supply and disposal

All data refer to Köttermann standard products.

Taps	Design of taps	Connection	Pressure
Drinking water Process water Cooling water flow Well water	Fine adjustment valve Designation DIN-EN 13792 Outlet: Laboratory screw connection Taps for fully demineralised water are chemically nickel-plated	Flexible hose with coupling nut G 3/8	PN=10bar
Fully demineralised water (Conductivity >0,1µs)			
Fully demineralised water (Conductivity <0,1µs)	Valve made of polypropylene Designation DIN-EN 13792 Outlet: Laboratory screw connection	PA plastic hose 8x6 Connection: 1/2" Plastic male thread	PN=6bar
Cooling water return flow	Return flow with check valve Opening pressure: 0,05bar Inlet: Laboratory screw connection	Corrugated stainless steel pipe DN12 with coupling nut G 1/2"	PN=10bar
Combustible gases	Ceramic sealing, 90°right locking, push and turn safety device Designation DIN-EN 13792 Outlet: fixed laboratory hose nozzle	Corrugated stainless steel pipe DN12 with coupling nut G 1/2"	PN=0,2bar
Non-combustible gases	Fine adjustment valve Designation DIN-EN 13792 Outlet: fixed laboratory hose nozzle	Corrugated stainless steel pipe DN12 with coupling nut G 1/2"	PN=10bar
Low vacuum			1000-1 mbar
Sink with stench trap and connection for condensate hose	Polypropylene, ceramic Stainless steel; epoxy	PP tube outer diameter 40mm	without
Condensate drain	Hose	Ø 20mm (inside)	without