

VarioFlow



Version: 2026/0721


regineering

VarioFlow

Certified according to DIN EN 14175



The regineering VarioFlow fume cupboard is a device for protecting researchers from hazardous or toxic fumes, dusts, splinters and splashing liquids. The fume hoods are built, tested and certified in accordance with DIN EN 14175.

VarioFlow combines advanced technology with efficient use of space. Designed specifically for complex laboratory environments with demanding requirements, it provides a highly adaptable and stable workstation solution. The fume cupboard control with visual and acoustic alarms ensures maximum safety for researchers.

VarioFlow fume cupboards are precisely tailored to your requirements, providing an optimal solution for digestion and distillation processes in your laboratory. Combined with our laboratory equipment and furniture systems, they enable you to design an efficient research environment and achieve reliable, high-quality results.

As an option, the VarioFlow fume cupboard can be equipped with OptiFlow, a support airflow technology that ensures stable, energy-efficient, and safe operation.

VarioFlow

Fume cupboard design

Presence sensor

Flow sensor

Explosion protection valve

Front slide

Fume cupboard control unit

Stand mount

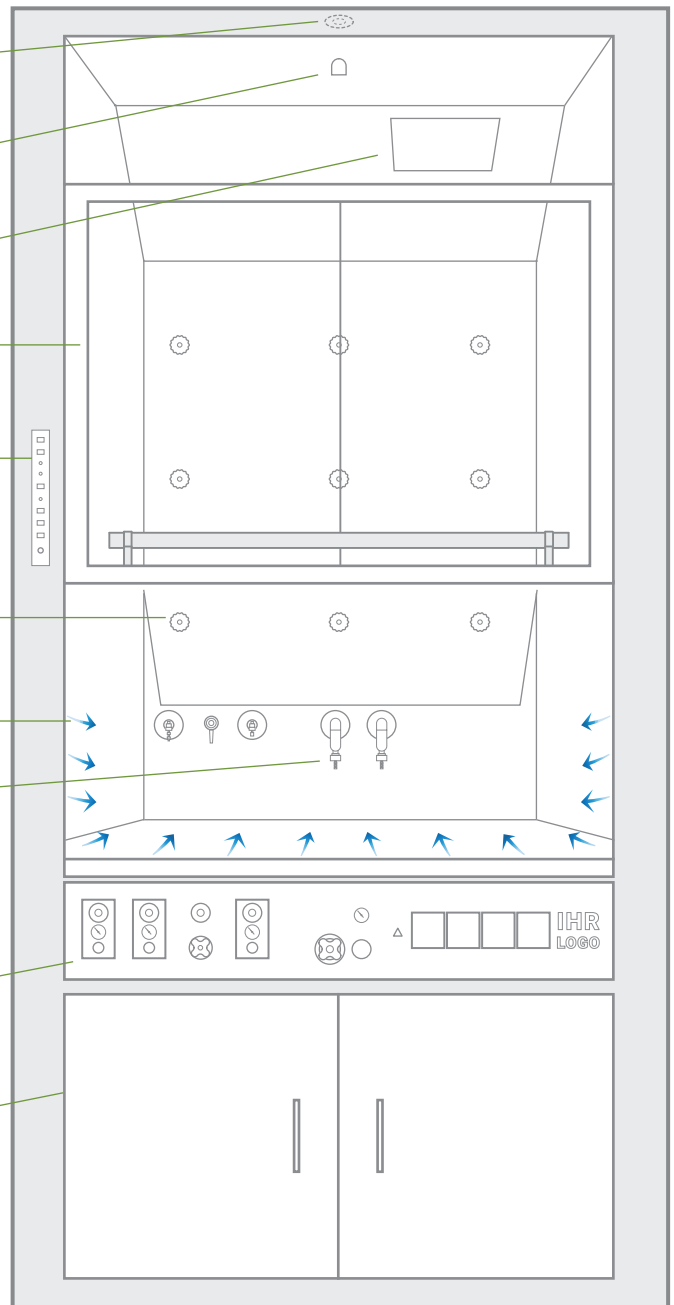
OptiFlow support air flow (optional)

Media outlets

Fitting panel

Example: 3x high-purity gas, 1x compressed air,
1x cooling water and 4x sockets with illuminated
customer logo

Base cabinet installation space



Features

Technical data

Outer dimensions

	fume cupboard width		
Width	1200 mm	1500 mm	1800 mm
Height		2660 mm	
Height (low space)		2460 mm	
Depth		900 mm	

Utilisable space

Width	1070 mm	1370 mm	1670 mm
Height (back)		1570 mm (1200)	
Height low space (back)		1370 mm (1000)	
Depth		750 mm	

Exhaust air volume

Front slide closed		220 m³/h	
Front slide opened	480 m³/h	600 m³/h	720 m³/h
Front slide opened with OptiFlow (optional)	340 m³/h	400 m³/h	510 m³/h
Pressure loss	39 Pa	31 Pa	41 Pa
Pressure loss planning basis		100–150 Pa	

Features

Interior equipment

Work surface

Stoneware	series
Stainless steel	optional
Polypropylene	optional
Funnel tank	optional

Side panel

Melamine resin finish	series
Polypropylene	optional
Stoneware	optional
Stainless steel	optional
Feed-through Ø 84 mm	optional
Stand mount	3 x 3 series for 1200 mm and 1500 mm fume cupboard width 3 x 4 series for 1800 mm fume cupboard width

Set-up

Socket outlets 230 V / switchable	optional / optional
400V CEE socket outlet / switchable	optional / optional
Digester valves (water, gases, vacuum)	optional (Broen, Ila, Novalab, GCE, Spectron etc.)
Media extraction on the side	optional (e.g. for water outlets)
Disposal system with funnel in table top with visual and acoustic fill level monitoring	optional – up to 5 different types of chemicals can be disposed of properly (5 l or 10 l canister)

Features

Front slide

Presence detection with automatic locking	standard
Collision protection	standard – light barrier below the front slide
Split cross slide	standard
Opening / closing by foot switch	optional

Electric connection

Fume cupboard control supply	120 V–264 V / 50 Hz / max. 10 A LSS Char C 24 VDC, max. backup fuse 10 A (t)
Socket supply	400 / 230 V AC / 50 Hz / max. 63 A Gg

Interested in our product?

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Do you need a customised solution?
We're looking forward to collaborate
and design, plan and realise the product
that meets your needs.