

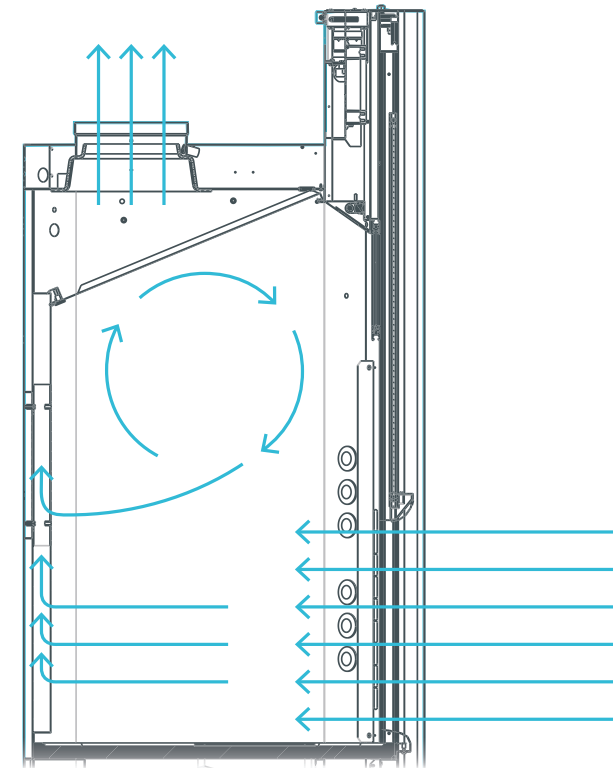
Sustainable safety and cost-effectiveness

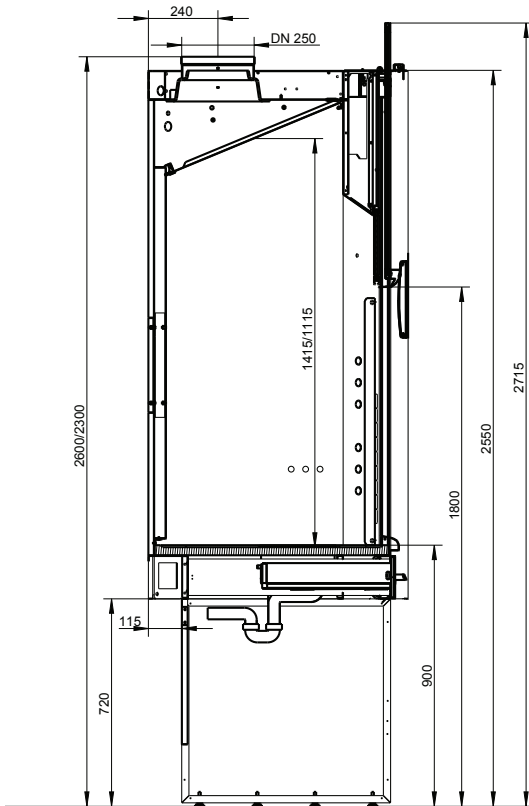


With its unique flow technology, the energy-efficient **EcoPlus®** fume cupboard reduces the air flow rate while meeting all safety requirements. This allows operating cost **savings** up to **30%** relative to a comparable standard model.



- ✓ Safety through flow-optimised geometry without complicated auxiliary air flow technology
- ✓ Operation with exemplary low 250 m³/h per linear metre of fume cupboard width
- ✓ Smaller duct cross-sections and smaller sized fans reduce capital expenditure for the fume extraction system
- ✓ Bench type fume cupboards are available in EcoPlus® variants and can be retrofitted afterwards



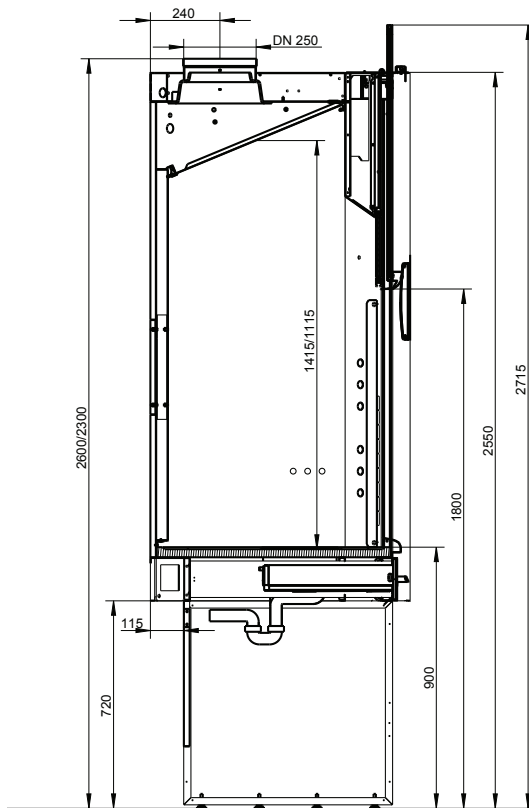


Potential savings

	Conventional fume cupboard		EXPLORIS EcoPlus®		Savings with EXPLORIS EcoPlus®
Operating time per fume cupboard (1,500 mm fume cupboard)	m ³	€	m ³	€	€
1 hour	600	0.48	375	0.30	0.18
1 day (8 hours)	4,800	3.84	3,000	2.40	1.44
1 year (250 days at 8 hours per day)	1,200,000	960.00	750,000	600.00	360.00
1 year (250 days at 24 hours per day)	3,600,000	2,880.00	2,250,000	1,800.00	1,080.00

Dimensions [mm] / Volume flow rate [m³/h]

Assumption: 1,000 m³ of conditioned laboratory air costs €0.80.

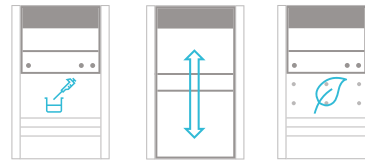


Width	1200	1500	1800	2000	2100
Front height	2300/2550	2300/2550	2300/2550	2300/2550	2300/2550
Chamber height	2300/2600	2300/2600	2300/2600	2300/2600	2300/2600
Depth	900	900	900	900	900
Usable space width	1100	1400	1700	1900	2000
Usable space height	1115/1415	1115/1415	1115/1415	1115/1415	1115/1415
Usable space depth	760	760	760	760	760
Work height	900	900	900	900	900
Minimal permissible volume flow rate**	300	375	450	530	530
Specified volume flow rate	360	450	540	630	630
Maximum permissible volume flow rate	1500	1500	1500	1500	1500

Dimensions [mm] / Volume flow rate [m³/h]

** Alarm value

Fume cupboards for general use



	Suitable	Occasional use	Not suitable
Organic solvents	x		
Weak acids	x		
Diluted inorganic acids	x		
Cold concentrated inorganic acids		x	
Hot concentrated inorganic acids			x
Hydrofluoric acid			x
Radioactive substances			x
High thermal load			x

When selecting a fume cupboard, the most important considerations are the activities you do and the substances you use.