

VISU

INSPIRING ENVIRONMENTS
FOR SCIENCE AND RESEARCH

VISU ProFlex SPACIOUS SOLUTION

VISU ProFlex

EN 14175-2

The suction ducts are placed in the corners, leaving the back wall thin and therefore increasing the workspace inside the fume cupboard.



- **Transparent back wall** – The back wall can be transparent, which makes the fume cupboard well suited for educational use or in the middle of the room without limiting visibility.
- **Life cycle efficient** – Thanks to the advanced design, the taps are easy to add and remove during life cycle without moving the fume cupboard.
- **Spacious** – The recess in the back wall provides a good space for shelves or back-wall rods.
- **High quality** – Materials for professional use and finished design, almost maintenance-free.
- **Ergonomic** – Clear and optimal design of details. Working position is ergonomic thanks to electric height adjustment and full-width knee recess.
- **Safe** – The air suction is on the full width of the fume cupboard on upper and lower edge of the inner back wall. Structures are easy to clean.
- **Ecological** – Designed and manufactured responsibly in Finland, made to last for decades.

VISU KALUSTE OY

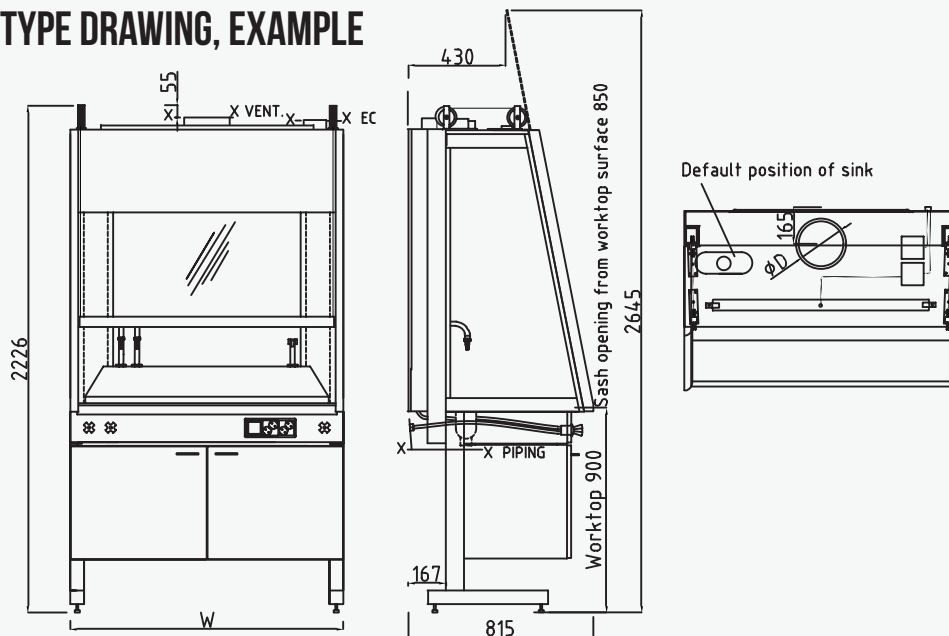
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TECHNICAL TYPE DRAWING, EXAMPLE



DIMENSIONS AND MATERIALS

Standard widths	900, 1200, 1500 and 1800 mm.
Worktop depth	600 and 800 mm.
Total depth	Single sash 810 and 1010 mm, two-part sash 830 ja 1030 mm.
Total height	Single sash 2680 mm (possible to be limited), two-part sash 2350 mm.
Height adjustment	Fixed 450 mm, manual 750–900 mm, electrical adjustment 750–1000 mm.
Worktop material	Acidproof steel, ceramic, polypropylene.
Side wall materials	Powder coated aluminum, compact laminate, clear polycarbonate, laminated glass, polypropylene.
Back wall materials	Powder coated aluminum, compact laminate, clear polycarbonate, laminated glass, polypropylene.
Front wall	Vertical or inclined laminated glass.
Frame	Powder coated steel.
Ductwork	Brushed and powder coated stainless steel.
Standards	On request according to EN 14175-2 : 2003 fume cupboards, with the exception of individual customer-specific requirements.

According to the order

Internal storage	Reservation for the back-wall rods, 4 pcs of back-wall rods made of acid-proof steel. Perforated shelves made of acid-proof steel, available also with height adjustment.
Sockets	IP21 or IP44, as ordered, 4 pcs as standard, emergency stop.
Air flow control	0-1 control switch with indicator light, reservation for automatic air flow control.
The most common equipment	Sinks, taps, under-desk storage, under-desk safety cabinets, a knee-recess, a residual current circuit breaker.
Other additional properties	For example: EX-protection, ESD-classification, a hotplate, HEPA filter, hand-hatches, pass-through hatches, accessories in side panels. Ask more from our experts.

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THE TECHNICAL PROPERTIES DEPEND ON THE FUME CUPBOARD WIDTH

Standard widths, [mm]	900	1200	1500	1800	Other dimensions are also possible.
Internal work area widths, [mm]	828-834	1128-1134	1428-1434	1728-1734	Depending on side materials.
Air volume, [l/s]	125	170	215	260	Sash 300 mm open, 0,5 m/s inflow.
Standard lights, led W (lumen)	10(1014)	15(1425)	19(2028)	19(2028)	
Ventilation connection, [mm]	200	200	250	2×200 (cc 900 mm)	



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|--------------------------------------|--|
| 1. Angle suction channels | 9. Under-desk storage with ventilation connection |
| 2. Transparent glass side wall | 10. Optimally shaped edge shapes in the worktop and sliding profiles |
| 3. Recessed are on the back wall | 11. Gas taps |
| 4. Outlets on the back wall | 12. Fanison automatic air flow control |
| 5. Acidproof steel worktop with sink | |
| 6. Sockets | |
| 7. Possibility for knee recess | |
| 8. Light switch | |

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VISU fume cupboards have a fully integrated Fanison control system that keeps the exhaust air flow at the correct level in the various positions of the sash. The self-learning system guarantees the user a safe work environment and easy usability. Technically reliable system brings clear energy savings and thus significantly reduces operating costs.



The side walls and back wall can be made from smart glass, allowing the glasses to be changed to transparent or white when needed.

Optimally shaped edge shapes in the worktop and sliding profiles reduce swirl and thus increase the efficiency and safety of the fume cupboard. The raised edge shape of the worktop prevents spills from entering the floor or fume cupboard structures.



The fume cupboard can be equipped almost indefinitely. The picture shows different types of water taps, perforated shelves made of acidproof steel, sockets and gas taps. Under-desk furniture can be drawers or cabinets, the material of which can be chosen according to the chemicals used.

Fume cupboards are delivered, if so agreed, installed in place, ready to be connected to building services systems. the fume cupboard must be connected to a separate exhaust air duct. The water supply, drainage, gas and electricity work must be performed by professionals. An automatic air flow alarm and control system can also be included in the delivery.

VISU fume cupboards are always equipped according to the customer's needs.

INSPIRING ENVIRONMENTS FOR SCIENCE AND RESEARCH

VISU laboratory furniture is developed together with users and is the answer to the needs of modern research now and in the future.

VISU offers flexible furniture solutions for various laboratory and hospital projects, and also for educational institutions. The collections VISULab and OPPILab are adjusted to customer's needs.

HIGH-QUALITY AND DURABLE

VISU laboratory furniture is manufactured from start to finish at our factory in Visuvesi, Finland. The high quality is guaranteed by the expertise of wood and metal work professionals, the company's state-of-the-art machines and decades of experience.

The materials of the furniture are of high quality, fully recyclable and safe for indoor air. Thanks to the high quality, the expected service life of our furniture is at least 30 years.

**Feel free to contact us and we will
design suitable solutions together!**

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