

What to do in the event of a technical malfunction?

Always call the Building Control Department on Tel. 2626!
The Building Control Department is usually available from 6 am to 8 pm from Mondays to Thursdays, and from 6 am to 6 pm on Fridays.

If you call this number outside these hours, you will be given information about how to contact the security company on duty. They will then pass on important malfunctions to our on-call service.

At the same time, our Building Control Department will forward important malfunctions to the security company. The Building Control Department and the respective person responsible will usually agree upon whether a technical malfunction is given top priority.

This fume cupboard will be switched off at 8 pm by the Building Control Department. For use after 8 pm, switch on again manually.

Please switch off the fume cupboard when not in use.

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Information on using the laboratories in Building 67 (09/2022)



Functioning of the ventilation system

- Standard laboratory, small -

The small standard laboratory (one row of laboratory units with one fume cupboard) has a permanent floor extraction system extracting 60 m³/h. The hazardous materials cabinet is equipped with an exhaust air volume of 120 m³/h. The floor extraction system and the hazardous materials cabinet are permanently active. The air volume of 180 m³/h is replaced via 'overflow openings' from the corridor areas. If we now switch on the ventilation, we obtain 580 m³/h incoming air and, via the exhaust air, precisely these 580 m³/h are removed again by suction. If we now switch on the fume cupboard, then the ventilation system's exhaust air valve closes again, because now, the 580 m³/h are drawn by suction through the fume cupboard. Should the ventilation not be switched on and the fume cupboard be put into operation, the supply air is switched on automatically. Thus an air volume balance is always achieved.

Functioning of the ventilation system

- Standard laboratory, large -

The large standard laboratory (two rows of laboratory units with 2 fume cupboards) has 2 permanent floor extraction systems each extracting 60 m³/h. The hazardous materials cabinets are each equipped with an exhaust air volume of 120 m³/h. The floor extraction and the hazardous materials cabinet are permanently active. The air volume of 360 m³/h is replaced via 'overflow openings' from the corridor areas. If we now switch on the ventilation, we obtain 1160 m³/h incoming air and, via the exhaust air, precisely these 1160 m³/h are removed again by suction. If we now switch on one fume cupboard, then one of the ventilation system's two exhaust air valves closes again, because now the 580 m³/h are drawn by suction through the fume cupboard. If we switch on the second fume cupboard, then an additional incoming air valve closes. Should the ventilation not be switched on and a fume cupboard be put into operation, the one supply air is switched on automatically. If we switch on the second fume cupboard, an additional ventilation flap opens. Thus a balanced air volume is always achieved.

Request to users

- Please make absolutely sure that you close fume cupboards during use
- Only switch on fume cupboards if actively using them
- Please keep laboratory doors closed; only then can the ventilation work best
- The laboratory doors are fire doors which must not be fixed open

Ventilating laboratories in summer

In the summer it is in principle possible to ventilate by opening the windows. However, please ensure that the ventilation system is then switched off.

Ventilating laboratories in winter

Please only use the ventilation system, as here a heat exchanger absorbs the heat from the exhaust air and warms the incoming air with it. A lot of energy is saved as a result.

Heating control by the Building Control Department (GLT)

The heating is controlled centrally via the Building Control Department. In the pilot rooms, temperature sensors monitor whether the required room temperature is reached. It is therefore very important that the windows and doors in these rooms are kept closed. The thermostats on the radiators in these rooms are non-adjustable.

The following rooms are pilot rooms in Building 67/East

AG Biochemie	AG Molekulare Zellbiologie	AGM
67/E32, 67/E36	67/I32, 67/I36	67/B24

The following rooms are pilot rooms in Building 67/West

AG Biophysik	AG Ökologie	Furniture Storage D ₃
67/E15, 67/E19	67/I14, 67/I21	67/B07

Switching-off of the fume cupboards by the Building Control Department (GLT) Mon to Sun at 8 pm

Since there are no heat exchangers integrated in the fume cupboard exhaust, here 570 m³ air brought to a certain temperature is transported to the outside every hour. This air must be replaced via the ventilation system and naturally also be warmed again. Consequently, it is very important, particularly in winter, that the fume cupboards really do only run when they are being used.

As a rule, the fume cupboards automatically receive a switch-off pulse via the Building Control Department on a daily basis (Mon - Sun) at 8 pm, which is repeated during the course of the night. Consequently, the fume cupboards are switched off but can be switched on again locally by hand at any time. These fume cupboards are labelled with bilingual stickers.

Exception to switching-off

The following fume cupboards have to run continuously at certain times for operational reasons. In this case, no switching-off by the Building Control Department takes place. This applies to the following rooms:

AG Molekulare Zellbiologie	AG Biochemie	Various
67/I32, 67/I33	67/E32, 67/E47 links, 67/E48	67/I46, 67/I48

Switching-off of the ventilation by the Building Control Department (GLT) Mon to Sun, in each case at 8 pm

All ventilation systems are switched off every day at 8 pm via the Building Control Department. Rooms in which fume cupboards are in operation continue to be supplied with incoming air despite the ventilation being switched off. Naturally it is possible to switch on the ventilation manually in the individual rooms at any time. Please also ensure during the day that you switch off the ventilation requirement when you leave the laboratory. Please note: chemicals cabinets have their own exhaust air fans and are not switched off.