

1 2 Filtration fume hoods, FiltAir® series

For handling low to medium-sized volumes of chemicals

Erlab

Important advantages:

- Conform entirely to the very strict criteria of the AFNOR norm NFX 15-211 classification I and DIN 12927
- Ergonomically adapted: angled, hinge-opening front panel gives excellent visibility with ergonomically designed openings for the hands
- The filtration fume cupboards from the **captair®** range can be quickly and easily installed on a laboratory bench or on an accessory Mobicap mobile table

Standard equipment:

- A timer reminds the user to check the filter saturation level every 60 hours
- Sampling port for determining the filter saturation level
- "Air Velometer" (air velocity meter) for monitoring the speed of the air entering the work enclosure

Optional equipment:

- tempered glass work surface with spill tray (standard on Filtair XL units)
- transparent rear panel
- 11 W, 500 Lux illumination
- "Mobicap" mobile table, designed to securely hold one Filtair hood
- "Securifilter™", electronic filter saturation detection system for solvents.



Type	External dimensions (WxDxH) mm	Cat. No.	PK
FiltAir® 824	799 x 625 x 966	9.733 030	1
FiltAir® XL 9156	1601 x 706 x 1160	9.733 031	1

Please ask for our questionnaire in order that we can determine which filters you require.

3 Filtration fume hood, PowderCap™

Negative pressure enclosure for work with powders

Erlab

(in particular for weighing)

- With HEPA filter (99.995% filtration of particles, 0.3 µm or larger)
- A unique fan stop system prevents any air turbulence when using the balance.



Type	Internal dimensions (WxDxH) mm	External dimensions (WxDxH) mm	Cat. No.	PK
PowderCap 821	742 x 533 x 745	799 x 625 x 966	9.733 036	1
PowderCap 811	742 x 480 x 499	799 x 555 x 721	9.733 037	1
PowderCap 821 Midcap	742 x 533 x 745	799 x 625 x 966	9.733 038	1
PowderCap 121 Midcap	742 x 480 x 499	799 x 555 x 721	9.733 039	1

15. Laboratory furnishings

Fume cupboards and extraction hoods



1 Filtration fume hoods, ductless, ToxiCap® series

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For handling large volumes of chemicals and removing vapours, gases, toxic agents and odours

Significant advantages:

- provide a high level of user safety due to a unique and patented principle, the "Revolving" system:

When the main filter is full, it can be replaced by the safety filter and a new safety filter installed. The detection chamber, which is located beneath the safety filter, is equipped with a sampling valve, which enables the testing of the main filter saturation level without chemical fumes escaping into the laboratory.

- Conform entirely to the very strict criteria of the AFNOR norm NFX 15-211 classification I and DIN 12927
- Filter capacity is increased by 50%, due to the optimisation of the filtration process by operating the "Revolving" system
- ToxiCap models from the **captair® chem** range can be quickly and easily installed on a laboratory bench or on an accessory Mobicap mobile table

Standard equipment:

- angled, hinge-opening front panel with ergonomically designed openings for the hands
- tempered glass work surface with spill tray
- "Fan failure" alarm, in the event of defective ventilation
- sampling port and detection kit, using colour-coded reaction tubes for determining the filter saturation level
- "Air Velometer" (air velocity meter) for monitoring the speed of the air entering the work enclosure
- 2 x 18 W, 500 Lux illumination

Optional equipment:

- "Molecode™" Detector: automatic filter saturation detection system for solvents, calibrated in accordance with chemicals listed in the "Chemical Listing"
- transparent rear panel
- "Mobicap™" mobile table, designed to securely hold one ToxiCap® hood

Type	External dimensions (WxDxH) mm	Cat. No.	PK
ToxiCap 808	800x864x1481	9.733 025	1
ToxiCap 1016	1000x864x1481	9.733 026	1
ToxiCap 1324	1315x864x1481	9.733 027	1
ToxiCap 1624	1600x864x1481	9.733 028	1

Please ask for our questionnaire in order that we can determine which filters you require.

Fume cupboards for general use

Köttermann GmbH

Also known as "normal" fume cupboards. Available as classic bench cupboards with benchtop height of 900 mm, as low-level fume

cupboards for particularly tall experimental set-ups or alternatively as walk-in fume cupboards. All fume cupboards are certified in accordance with DIN 12924 part 1; the bench cupboards additionally to BS 7258 part 1. This ensures that the user is as safe as possible!

Normal fume cupboards are those most commonly encountered in laboratories as they are ideal where only small thermal reactions occur or no large amounts of aggressive substances, fuming acids in particular, are evolved.

To ease your choice the fume cupboards offered here are pre-configured, favourably-priced packages, with all fittings and tubing connections in place, 4 x 230 V sockets and an air-flow monitoring device. We have a wide range of options for equipping with various alternative fittings. Just contact us for details- we would be pleased to help you. This includes providing advice about extraction, as this is something which is much better left to experts.

1 General purpose, laboratory fume cupboards

Specifications:

Köttermann GmbH

- Extraction tested in accordance with DIN 12924 Section 1
- Digital air flow monitoring
- Service cells fitted in side wall
- ceramic work top area, with optimized extraction air flow profile
- Front sash with safety glass panels
- Anti-glare, interior illumination
- Fittings requiring maintenance are easy to reach in the front area
- Service fittings: 1 x water, 4 x 230 V electricity sockets
- Available fitted with the following alternative bases:
 - Double door cabinet base
 - Acid and alkali storage cabinet base
 - Security cabinet base
- Width of base cabinets:
 - for fume cupboard width of 1200 mm: 900 mm for fume cupboard widths of 1500 mm and 1800 mm: 1200 mm
- For connection to user's extraction system (if this is not available, please order extraction fan kit separately)



Laboratory fume cupboards with standard sliding sash and base cabinet with double doors

Dimensions of fume cupboard with standard sliding sash:

Height of fume cupboard:	2550 mm
Overall height*:	2865 mm
Depth:	900 mm
Work height:	900 mm
Usable height:	1500 mm
Usable depth:	800 mm
Room height required:	3000 mm
Extractor vent connection:	DN 250

**Approximate value with standard exhaust vent

Width	Usable width	Work top	Cat. No.	PK
mm	mm			
1200	1100	ceramic	9.733 285	1
1500	1400	ceramic	9.733 286	1
1800	1700	ceramic	9.733 287	1

* Overall height when sash fully opened.

Laboratory fume cupboards

Laboratory fume cupboards with standard sash and acid and alkali storage cabinet base

Köttermann GmbH

Width	Usable width	Work top	Cat. No.	PK
mm	mm			
1200	1100	Ceramic	9.733 288	1
1500	1400	Ceramic	9.733 289	1
1800	1700	Ceramic	9.733 290	1

Laboratory fume cupboards with standard sash and security cabinet base

Köttermann GmbH

Width	Usable width	Door handle	Work top	Cat. No.	PK
mm	mm				
1200	1100	right	Ceramic	9.733 292	1
1500	1400	Inside edge - both doors	Ceramic	9.733 293	1
1800	1700	Inside edge - both doors	Ceramic	9.733 294	1

15. Laboratory furnishings

Fume cupboards and extraction hoods-Trolleys



1 Benchtop fume hoods

High quality, self contained, fume extraction hoods for standing on the benchtop. With counterbalanced, transparent acrylic front, polypropylene work area with water tap, drainage funnel, multi-gas tap, 230V socket and internal illumination. For connection to an existing extraction unit, or alternatively with built-in, acid-resistant radial fan extractor. Ready for connection. *Laborfabrik*

Overall (WxDxH): 790 x 700 x 1300 mm

Type	Cat. No.	PK
Without extraction fan	9.733 054	1
With extraction fan	9.733 055	1



2 Benchtop fume hood

TAZ 75. *Laborfabrik*
For placing on existing workbenches. For connection to existing exhaust systems. Can be equipped with its own fan if required. Used air is extracted from directly above the work surface and under the ceiling. With illumination. Extraction fan.

Acid-resistant, permanently installed, including switch.

Overall (WxDxH): 790 x 700 x 1300 mm

Extraction fan flow rate: max. 370 m³/h

Supply requirements: 220 V 50 Hz

Type	Cat. No.	PK
Bench top fume hood TAZ 75	9.733 994	1
Extraction fan	9.733 995	1



3 Flow monitor

For fume cupboards. *Buddeberg*
Indicates if the fume cupboard is switched on.

Type	Cat. No.	PK
Flow monitor	9.003 890	1



4 Laboratory Trolley clax Mobil comfort

Stable, multi-use trolley with parking brake. *rautec*

Push-button collapsing/unfolding

Load capacity:

Total: 60 kg

Upper shelf: 20 kg

Lower shelf: 40 kg

Type	Cat. No.	PK
Laboratory Trolley clax Mobil comfort, incl. 1 clax folding box, 46 litres	9.148 100	1
clax folding box single, 46 litres	9.148 099	1