

Refrigerating underbench cabinet

The Flexible - refrigerates under your fume hood

Refrigerating underbench cabinet



Detailed Description - **Maximum convenience for you!**



1

Air cooling unit

Safe cooling of hazardous material.

Room air drying and cooling process in an antechamber
Dry cool air enters the cabinet laminar through an air duct in the cabinet ceiling giving consistent cooling throughout the cabinet.
Harmful gases are safely exhausted.



2

Display

Direct function monitoring.

Exhaust air monitoring prevents the diffusion of flammable gases back into the cooling unit.



3

Second level drawer

A lot of space for small containers.

Perfect utilisation of the inside space when storing small units.
Second level drawer manufactured as a grid for an optimal dispensation of fresh and cold air in the cabinet.
Remains open in every position.
In the event of fire the drawer is safely retracted.



4

Ventilation devices

Efficient cooling - minimise energy consumption.

Drawer with two laterally integrated ventilation devices which remain automatically open when the drawer is closed. This ensures optimal aeration of the interior and accumulation of vapours is avoided.
The ventilation devices close if the drawer is pulled out and prevent escaping of the cold air inside.



5

Fully extractable drawer

Comfort and safety in use.

The drawer is smooth-running, remains open in every position and the interior is completely visible for easy and safe access to all containers.



6

Air duct

No chance for condensate.

The air duct on the back of the cabinet prevents condensate forming in the exhaust air system as well as the heating of the room by warm exhaust air.

Refrigerating underbench cabinet - Overview



Flexible - safe - cold

Cooled storage of hazardous materials



Approved storage of hazardous materials at the workplace in accordance with EN 14470-1 (Type 90)

EN CE



limited

RAL 7035



Type tested according to EN 14470-1 (Type 90)

Function

- Room air drying process and cooling in an antechamber
- Dry cool air enters the chamber in a manner giving consistent cooling throughout the cabinet
- Harmful gases are safely exhausted
- Exhaust monitoring prevents the diffusion of inflammable gases back into the cooling unit
- An overflow duct on the back of the cabinet prevents the development of condensate in the exhaust system as well as the heating-up of the workroom by warm air in summer

Ventilation devices

- Drawer with two laterally integrated ventilation devices
- The ventilation devices remain automatically open when the drawer is closed and thus ensure optimal aeration of the drawer
- The ventilation devices close if the drawer is pulled out and prevent escaping of the cold air inside. An exchange with warm room air is consequently prevented and the required energy consumption of the cooling unit is restricted to the minimum

Ventilation

- **The cabinet cannot be operated without a technical ventilation system**
- **This shall provide a minimum volume of 80 m³ of extraction air per hour**

Operation

- Minimal effort: opening of the drawer - easy and safe

Drawer

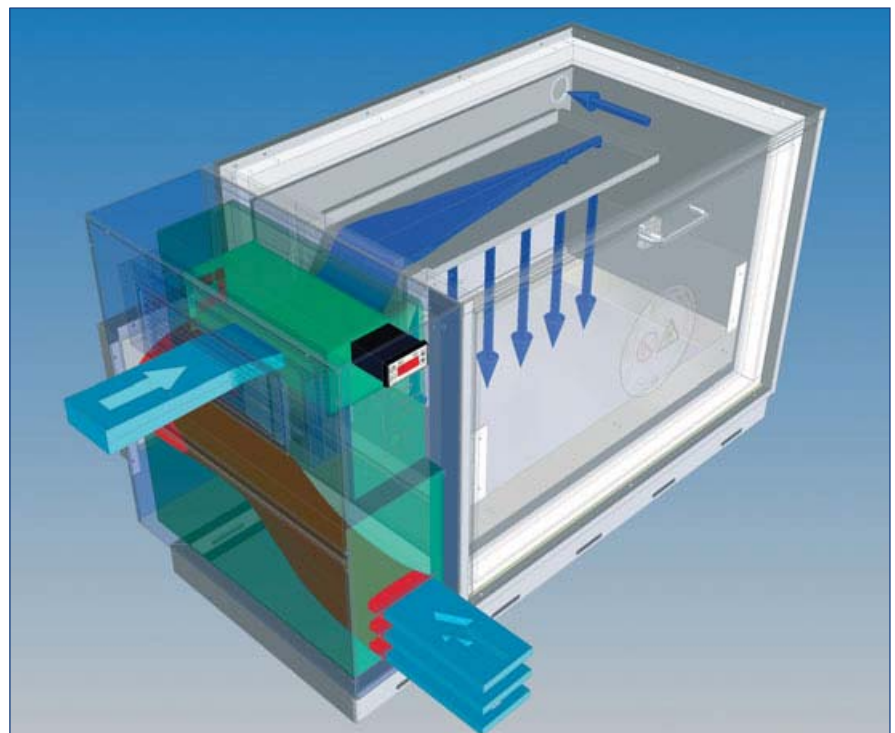
- Remains open in every position
- Interior completely visible
- Easy and safe access to all containers
- Grounding wire with clamp within the drawer (standard)
- Bottom collecting sump sealed by welding, impervious to fluids

Second level drawer (optional)

- Perfect utilisation of the inside space when storing small containers
- Remains open in every position
- Manufactured as a grid for an optimal dispensation of fresh and cold air in the cabinet
- Storage height:
 - First level approx. 225 mm
 - Second level approx. 170 mm

Your safety in the event of fire!

- Automatic closing of the drawer due to a thermal release system (fusible link)
- The second level drawer is safely withdrawn into the cabinet by the large drawer

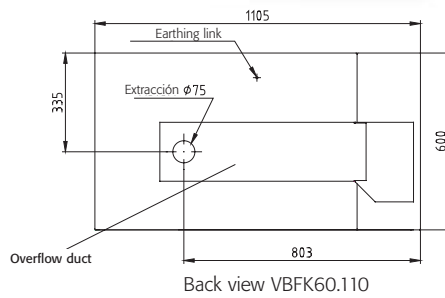


Refrigerating underbench cabinet



Cooling performance	°C	+4*
Output	kW	0,65
Nominal voltage	V	230
Frequency	Hz	50
Current consumption	A	2,8
Ventilation		
Extraction air connection ø mm	75	
Change of air min.	m³/h	80
Pressure drop	Pa	100

* by a constant room temperature of max. 22 °C



Back view VBFBK60.110

VBFBK60.110

Safety Cabinet

90 minutes fire resistance in accordance with **EN 14470-1 (Type 90)**

CE conformal

Labelling in accordance with **EN 14470-1**

Dimensions W x D x H (mm):

exterior approx. 1100 x 570 x 600

interior approx. 750 x 430 x 480

Drawer

Dimensions W x D x H (mm):

approx. 722 x 442 x 80

Capacity: **approx. 22 ltr.**

Load capacity (evenly distributed load): **50kg**

Useable interior height:

approx. 415 mm (without perforated metal plate insert)

Dimensions second level drawer

W x D x H (mm):

approx. 722 x 442 x 220

Useable interior height second

level drawer:

First level approx. 225 mm

Second level approx. 170 mm

Weight: **approx. 200 kg**

Order data, equipment variations

Refrigerating underbench cabinet width 1100 mm, depth 570 mm - Model VBFBK60.110

Model	Material, colour	W x D x H (mm)	Order No.
VBFBK60.110, Type 90 Refrigerating underbench cabinet, with drawer	light grey, RAL 7035	1100 x 570 x 600	21226 A
Accessories			
Base	sheet-steel, plastic laminated	height 30 mm	7212 A
Base	sheet-steel, plastic laminated	height 65 mm	7213 A
Castors	1 kit (3 units)	for base height 30 mm	7620 A
Castors	1 kit (3 units)	for base height 65 mm	7621 A
Bottle rack, coated	for 8 bottles, DN 90 mm	210 x 440 x 30	7604 A
Bottle rack, coated	for 15 bottles, DN 70 mm	210 x 440 x 30	7603 A
Bottle rack, coated	for 32 bottles, DN 40 mm	210 x 440 x 30	7602 A
Fire protected add-on (Type 90 cabinets)	for installation of pipes and cables	ø up to 28 mm	6212 B
Sump	stainless steel 1.4301	722 x 442 x 220	incl.
Second level drawer	steel, chromed		18070 B
Rubber mat	to stabilise containers	720 x 438 x 3	8700 A

Delivery behind the first lockable door at ground level.

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Delivery to **Point Of Use**. Please note that if asecos are requested to transport the item to the point of use, a surcharge may be incurred by the customer if this takes more than 30 min. without the use of a crane or similar facility. **A separate checklist must be used for this.**

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