

Dissolution fume cupboards according DIN 12924/2



Working with aggressive substances as perchloric- or hydrofluoric acid and thermal strain in case of open dissolution requires highest demands to the laboratory equipment. **neuberger** dissolution fume cupboards are the right equipment there for:

Perchloric-acid fume cupboard Hydrofluoric-acid fume cupboard

Special materials such as a almost joint-free worktop and interior lining of the **neuberger** perchloric-acid fume cupboards prevents the forming of explosive organic chlorate deposition.

The interior room is easy and careful to clean.

For the interior lining we use stoneware, polypropylene or PVDF.

Hydrofluoric-acid fume cupboard have sashes made of polycarbonat.

The **neuberger** sprinkeling equipment is a economy-priced alternative compared to scrubber. So there is not just a constant flushing system of the exhaust air duct guaranteed, but it reduces the absorbable harming gases content as well.

In case of use of aggressive media we recommend the use of a scrubber which can be built into the upper part of the fume cupboard.

A neutralization-plant in addition to a scrubber and a funnel connection can be built into the substructure.

A extensible drawer for flurescent lamps allows a change of the illuminants outside the fume cupboard.

Perchloric-acid fume cupboard PAZ 120

Outer dimensions: 1200 x 928 x 2200 + 800 mm
Working height: 900 mm
Interior dimensions: 1080 x 750 x 1030 mm
Optimal air quantity: 600 m³/h

Perchloric-acid fume cupboard PAZ 150

Outer dimensions: 1500 x 928 x 2200 + 800 mm
Working height: 900 mm
Interior dimensions: 1380 x 750 x 1030 mm
Optimal air quantity: 770 m³/h

Perchloric-acid fume cupboard PAZ 180

Outer dimensions: 1800 x 928 x 2200 + 800 mm
Working height: 900 mm
Interior dimensions: 1680 x 750 x 1030 mm
Optimal air quantity: 1000 m³/h

Hydrofluoric-acid fume cupboard FAZ 120

Outer dimensions: 1200 x 928 x 2200 + 800 mm
Working height: 900 mm
Interior dimensions: 1080 x 750 x 1030 mm
Optimal air quantity: 600 m³/h

Hydrofluoric-acid fume cupboard FAZ 150

Outer dimensions: 1500 x 928 x 2200 + 800 mm
Working height: 900 mm
Interior dimensions: 1380 x 750 x 1030 mm
Optimal air quantity: 770 m³/h

Hydrofluoric-acid fume cupboard FAZ 180

Outer dimensions: 1800 x 928 x 2200 + 800 mm
Working height: 900 mm
Interior dimensions: 1680 x 750 x 1030 mm
Optimal air quantity: 1000 m³/h



Radionuclid fume cupboard RAZ 120

Outer dimensions: 1200 x 928 x 2200 + 800 mm
 Working height: 900 mm
 Interior dimensions: 1150 x 750 x 1030 mm
 Optimal air quantity 600 m³/h

Radionuclid fume cupboard RAZ 150

Outer dimensions: 1500 x 928 x 2200 + 800 mm
 Working height: 900 mm
 Interior dimensions: 1450 x 750 x 1030 mm
 Optimal air quantity 770 m³/h

Radionuclid fume cupboard RAZ 180

Outer dimensions: 1800 x 928 x 2200 + 800 mm
 Working height: 900 mm
 Interior dimensions: 1750 x 750 x 1030 mm
 Optimal air quantity 1000 m³/h

Working with radioactive substances with higher demands on radiant protection require radionuclide fume cupboards as they are standardized in DIN 25466.

neuberger radionuclide fume cupboards permit a individual equipment within the limits of the valid standard specifications.

Construction:

The radionuclide fume cupboards consist of a solid melamine resin coated top with 25 mm thick sidewalls. A multisectional baffle construction supports a optimal airflow and take hold of harmful gases.

A extensible drawer for flurescent lamps allows a change of the illuminants outside the fume cupboard. The extremely light-running vertical sash with its aerodynamically optimal pull strips is stepless adjustable and is fitted with an automatic anti-dropping protection device. For the glasswork you can use compound safety glass pannels, acrylic or lead-glass.

The lower part of the fume cupboard is produced out of a solid steelframe to carry any lining with lead or leadwalls in the fume cupboard.

Above the fume cupboard there is space for a filter tower. In cases of big filterunits or low room height the filter can also be installed on the sidewalls of the fume cupboard.

Variants and Options:

The great number of arrangement facilities we can offer with our labor fume cupboards , are possible for our radionuclid fume cupboards as well.

- Worktop: stainless steel 1.4301 or 1.4571
 polypropylene
 funnel inaktive
 discharge for aktiv substances of PP or stainless steel depending on the surface, for solid or liquid substances with overflow indicator
 lead-screen underneath the worktop
- Internal: lining with stainless steel or polypropylene
 lead-screen on sidewalls and backwall
- Fronts: compound safety glass panel,
 Acrylic glass horizontal sliding or fixed glasswork with round openings and plastic gloves
 lead-glasswork
- Substructure: lead safe,
 collecting tank for active waste with plastic or stainless steel container, acrylic glass or lead screen, electronic level control with optical and acoustical alarm
- Filterunits: when required with prefilter,
 high capacity nuclear grade filter, active charcoal filter,
 pressure gauge for control of the pollution level,
 rim and rope for comtamination free exchange of the filters.
 the filter tower can be installed above the fume cupboard or if necessary e.g. low room-height or big units next to the fume cupboard.