

**CLEANAIR**  
by **BAKER**



## NEG Series

POWDER EXTRACTION UNIT

OPERATOR & ENVIRONMENT  
PROTECTION



# Product Portfolio

## Personal Protection

In some laboratories lab technicians must be protected against the substances in the cabinet.



## Product Protection

In certain laboratories, the product or research must be performed or processed in a sterile environment.



## Personal & Product Protection

There are various activities that are performed in a cabinet where both the person and the product must be protected.



## Specials & Projects

If a standard cabinet does not meet your wishes & requirements; we have all disciplines in-house to adjust the cabinet to your needs.



# Professionals in laminar flow and microbiological safety workbenches

- Low energy
- Low sound
- Reliable performance
- Easy to clean
- Easy to operate
- Large work area



CleanAir by Baker designs and produces high-quality microbiological safety cabinets and laminar flow systems for numerous markets and segments.

Our cabinets are mainly used in the pharmaceutical industry, (academic) hospitals, research laboratories, plant breeding and the food industry, but also in various technical applications.

You can find us wherever the protection / safety of people, products and the environment against micro-organisms, viruses and dust particles is necessary. All our products are created in close collaboration with you.

Our goal; let you as a customer benefit from the joint years of knowledge of CleanAir and Baker, by creating a range of extremely safe, high-quality biological safety cabinets and laminar flow systems - flexibly adaptable to your wishes.

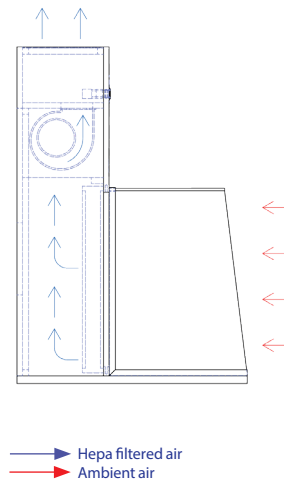


## Reliable performance

CleanAir by Baker NEG Series powder extraction cabinets range offers protection for operator and environment during activities where airborne particles can be released (e.g. powders).

# Basic principles

The principle of NEG Series is based on HEPA filtration of the extracted air. Ambient air is extracted from the environment into the work area of the cabinet. The HEPA filter at the back of the work area filters the extracted air, in order to offer personnel and environmental protection.



## Applications

NEG Series is designed for applications such as powder weighing in (hospital) pharmacies and filling of powder containers in pharmaceutical industry, biotechnology, pharmacies, hospital and university laboratories and electronic laboratories.

## Available sizes

NEG Series is standard available in sizes 2, 3, 4, 5 and 6 ft (60, 90, 120, 150 and 180 cm). Different sizes on request.

## Standards

The cabinets meet the following standards: 2006/42/EC, 2004/108/EC, 2006/95/EC, EN 61010-01.

# Features & benefits

## General features

- Energy saving EC fans
- Low sound level
- HEPA filter H14 (efficiency of 99,995% MPPS)
- Pre-filter (efficiency of 80 - 90% Am)
- HEPA- and pre-filter easy replaceable
- Easy to operate via the front of the cabinet
  - Switch (on/off)
  - Stepless variable (0-100%) speed control
- Tempered safety glass side windows
- Laminate body
- Pre-filter positioned in front of HEPA filter, increasing the lifetime of the HEPA filter

## Special features

- Available with or without worktop. A cabinet without worktop can be used in combination with a weighing stone

## Safety features

- Fan free of contamination because of its position behind the HEPA and pre-filter
- HEPA filter and pre-filter surface covers complete work area, ensuring optimal air extraction
- Smooth interior for efficient and easy cleaning

## Options & Accessories

- Support frame (fixes / electrical adjustable)
- FL light
- Electrical socket(s)



## Available models

NEG Series is available in two models; NEG and NEG AP. Each model is available with or without worktop.

### NEG with worktop / NEG without worktop



### NEG AP with worktop / NEG AP without worktop



NEG AP Series is designed for pharmacies and other rooms with limited space. NEG AP Series has reduced height and depth.

NEG AP Series is standard available as types NEG 2 AP and NEG 3 AP.

## Technical Specifications

### NEG

TYPE	NEG 2	NEG 3	NEG 4	NEG 5	NEG 6
<b>DIMENSIONS (MM)</b>					
Exterior dimensions (wxdxh) <sup>[1]</sup>	680 x 750 x 1000	985 x 750 x 1000	1290 x 750 x 1000	1595 x 750 x 1000	1900 x 750 x 1000
Interior dimensions (wxdxh)	583 x 450 x 582	888 x 450 x 582	1193 x 450 x 582	1498 x 450 x 582	1803 x 450 x 582
Height with support frame <sup>[2]</sup>	1765	1765	1765	1765	1765
<b>PERFORMANCES</b>					
Airflow velocity (m/s) <sup>[3]</sup>	0,45	0,45	0,45	0,45	0,45
Power consumption (w) <sup>[4]</sup>	40	60	80	100	120
<b>ELECTRICS</b>					
Electrical connection (V)/(Hz)	230 / 50	230 / 50	230 / 50	230/50	230/50
<b>FILTERS</b>					
Pre-filter (ISO 16890)	Coarsefilter	Coarsefilter	Coarsefilter	Coarsefilter	Coarsefilter
Horizontál HEPA filter (EN 1822)	H14	H14	H14	H14	H14

### NEG AP

TYPE	NEG 2 AP	NEG 3 AP
<b>DIMENSIONS (MM)</b>		
Exterior dimensions (wxdxh) <sup>[1]</sup>	690 x 620 x 800	995 x 620 x 800
Interior dimensions (wxdxh)	627 x 370 x 470	975 x 370 x 470
Height with support frame <sup>[2]</sup>	1565	1565
<b>PERFORMANCES</b>		
Horizontal velocity (m/s) <sup>[3]</sup>	0,45	0,45
Power consumption (w) <sup>[4]</sup>	30	45

[1] Height without support frame

[2] Support frame with height of 800 mm

[3] Optional: velocity can be set to customer request

[4] Measured in work mode at 0,45 m/s



Notes

My NEG

Requirements / Drawing

Lined area for notes or drawing.

Would you like more information about the NEG Series or our other Biological Safety Workbenches or laminar flow solutions?

Visit our website: [www.cleanair.eu.com](http://www.cleanair.eu.com) or contact our experts.

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