



PPS

Microbiological Safety Cabinet ,Type II

Ultra Clean Solutions

Protect the Product - Protect the User - Protect the Environment



**According to
standard :
NF EN 12 469**

**TRIPLE PROTECTION:
PRODUCT, USER
AND SURROUNDING**

The Type II Microbiological Safety Cabinets are intended to protect the operator, the handling and its close environment any aerocontamination.

Objective:

- Handling of powders, toxic, C.M.R, non-neutralizable products and micro-organisms
- Confined sterile area
- Secure Maintenance
- Radioactive manipulation
- Cytotoxic reconstitution
- Precision weighing with optional marble (accuracy down to 0,01 mg)

■ CHARACTERISTICS

- Starts with one «click»
- Double structure in depression (security / no risk of leak)
- Inside volume 304 L stainless steel in one piece (no soldering)
- Stainless steel work surface 304 L (option 3 perforated parts)
- Stainless steel receptacle under the worktop
- Computerized link between sash window and the fan functioning of the PPS
- Main filter with laminator (very thin mesh)
- Contoured and removable air guard (comfort and ease of decontamination)
- Maintenance facilitated from the front (lift hood)
- Mono-automatic control fan (ECM)
- Very low sound level
- LCD display (speed, clogging, alarms)
- Smooth and easily cleanable surfaces
- Integrated power socket



■ USES

- Cytotoxic reconstitution
- Hospital
- Pharmaceutical
- Biotechnology
- Radioactive manipulation
- all manipulations of non-neutralizable products
- Etc...

■ PRINCIPLE OF OPERATION

A laminar air flow (ISO 5 according to ISO 14 644-1) is blown vertically onto the work surface, after passing through a first absolute filter (HEPA H14) and ensures the **protection of the manipulation**.

The air flow is taken entirely on the periphery of the work surface, then passes through a second absolute filter (HEPA H13) located directly under the work surface (in "Bag In - Bag Out"). The air thus recycled is no longer polluted and the **fan is accessible in complete safety**.

Part of the recycled air is discharged into the room through a third H14 absolute filter. The quantity of exhaust air is compensated by the suction of an equivalent volume of air at the front of the work surface. The air guard creates a dynamic barrier between manipulation and the operator. The air guard prevents any risk of contamination to the outside; the frontal speed is greater than or equal to 0.4 m / s and **protects the user**.

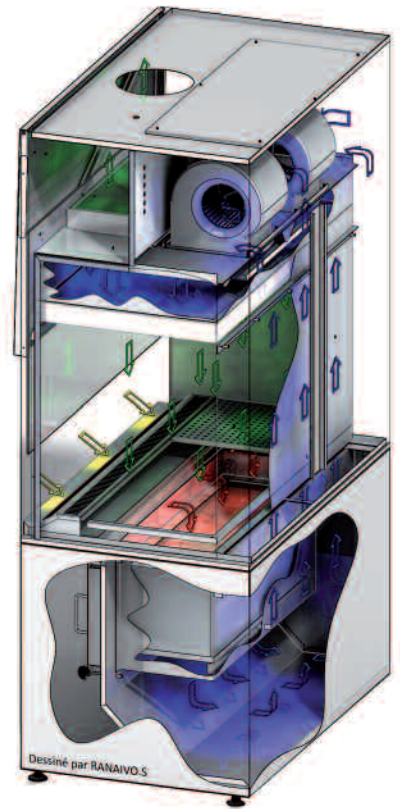
Environmental protection: absolute filter rejection

Handling protection: ISO 5 standard

Manipulator protection: « Vein of guard »

Secure maintenance: Air passing through the base filter
- Bag-in Bag-out system

Safe maintenance: « clean » Air allowing safe access to the fan



■ FEATURES

Front cover



The self-locking bonnet makes filter and electronics maintenance easy and safe.

Filter with Bag-in Bag-out system



Maintenance of the trap filter is carried out without personnel contact with the filter thanks to the adaptable plastic bag.

All maintenance is done through the front panel.

Scan and Watch Demo →



■ OPTIONS



- Inside 316L stainless steel structure
- Work surface in several parts
- Marble weighing
(weighed to the hundredth of a milligram).
- Germicidal UV lamp
- Fluid passage Gas / Air / Vacuum
- Extra power outlet
- Connection to the outside



- Prefilters to recovery
- Activated carbon filter with rejection
- SAS
- Qualification protocol (IQ / OQ)
- Insulator-glove box configuration -
case of very high exposure level
(ICC > 3 for cytotoxic drugs).



	PPS 9	PPS 12	PPS 16	PPS 18
Useful width	921 mm	1226 mm	1531 mm	1836 mm
Overall width	973 mm	1278 mm	1585 mm	1888 mm
Height	Usfull : 645 mm - Overall: 1400 mm - With the base : 2200mm			
Depth	Usfull : 616 mm - Overall: 785 mm			
Weight (Kg)	270	330	420	490
Power (kW)	1,4	1,4	1,5	1,5

Documents :
The following documents are provided at delivery:

- certificate of conformity
- warranty certificate
- user's manual

INF - CDM - 28 - R5x2: "Document non contractuel. Nous nous réservons la possibilité de faire évoluer les caractéristiques de nos produits sans préavis"