

# Instruction manual

## *For fume hoods with external connection*



(Picture : BH12Z + BV12)

## Models BH12



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## 1. DESCRIPTION / USE

Our fume hoods allow manipulating chemicals safely because the vapors are extracted and rejected outside (if you take also the ventilation box).

They are available in 4 widths : 600, 900, 1200 and 1500 mm to be adapted to the laboratory benches dimensions. They are customized according to the manipulations that will be done, in terms of type of hand passage, work-top...

The fume hoods to be connected outside are recommended for the manipulation of very aggressive chemicals, CMR products...

### Advantages :

- Fume hoods delivered ready to use, they only have to be connected to the electrical network and to an exhausting system
- The side walls are transparent, as to offer an optimum light on the work-top and to see directly the products which are being used
- Ergonomic hand openings
- 4 holes to insert your power cables

## 2. TECHNICAL FEATURES

- Steel 15/10th
- White epoxy paint RAL 9010, and blue RAL 5015
- Glass walls, in PMMA
- External dimensions : H 945 x W 1200 x D 750 mm
- Internal dimensions : H 935 x W 1145 x D 700 mm
- Weight : 44 KG

## 3. INSTALLATION AND COMMISSIONNING

### Settlement :

Your fume hood has to be installed on a flat surface that can bear its weight. As to know the weight of your equipment, please go to the chapter "Technical features".

Ensure that the fume hood is correctly wedged, as for the hood not to topple. The eventual blocking has to be done by the user, thanks to the leveling feet.

The installation location must guarantee :

- That it is not exposed to any heat source



- That it is protected against moisture (hygrometry between 40% and 70%) and that the ambient temperature of the location is approximately  $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$ , as to keep the optimum efficiency of your activate coal filter

If you also bought one of the rolling tables, it is provided with a blocking system on the castors. Once the fume hood is installed at its location, you can use this system.

On the other hand, the table-cabinet and the rolling table are provided with a shelf. It has to be fixed at the desired height, using the 4 cleats.

#### *Cable passage*

Your fume hood is provided with 4 holes with covers to put your cables, they are situated on the back wall and on the side walls. To insert your cables, you have to remove the covers.

#### *Rolling table*

If you purchased the rolling table, it is already mounted with the fume hood. If you want to remove the table, you have to unscrew the 4 leveling feet of your fume hood, which are fixed to the table.

In the same way, if you want to place the table under your fume hood, unscrew the 4 leveling feet situate under the fume hood. Place it on the table in the right frame. Then, put back the leveling feet by screwing them in the table.

#### **Warning :**

*To install the fume hood on the table, equip yourself with anti-pinch gloves.*

*Your table is equipped with a blocking system. Once positioned at its location, you have to push on the strips to block the castors.*

#### *Table cabinet*

If you purchased the table cabinet, it is already mounted with the fume hood. If you want to remove the table, you have to unscrew the 4 leveling feet of your fume hood, which are fixed to the table.

In the same way, if you want to place the table under your fume hood, unscrew the 4 leveling feet situate under the fume hood. Place it on the table in the right frame. Then, put back the leveling feet by screwing them in the table.

#### **Warning :**

To install the fume hood on the table, equip yourself with anti-pinch gloves.

Your table is equipped with a blocking system. Once positioned at its location, you have to push on the strips to block the castors.

#### *Tubular table*

If you purchased the tubular table, it is already mounted with the fume hood. If you want to remove the table, you have to unscrew the 4 leveling feet of your fume hood, which are fixed to the table.



In the same way, if you want to place the table under your fume hood, unscrew the 4 leveling feet situate under the fume hood. Place it on the table in the right frame. Then, put back the leveling feet by screwing them in the table.

**Warning :**

*To install the fume hood on the table, equip yourself with anti-pinch gloves.*

*Your table is equipped with a blocking system (if you purchased the model TTR15). Once positioned at its location, you have to push on the strips to block the castors.*

## Transport and handling

The fume hood that you received has been protected and transported in optimal conditions, in order to be protected from any damage.

It has to be lifted only by suitable equipment (suction cup, strap...). It has to be carried in a vertical position, and it must not be lying.

It is imperative not to tilt the fume hood when it is carried. Indeed it can cause damages that can alter the right functioning of the fume hood.

On the other hand, if it has to be moved, the fume hood has to be placed on a pallet and strapped, as to avoid any falling.

## 4. MAINTENANCE

**Safety controls :**

It is highly recommended to have a record sheet for each fume hood, where you will write the type of chemicals that you use, and the quantity.

**We recommended to check the good condition of your fume hood before any handling, and make a thorough verification every week.**

**Warning :**

*For any handling, you have to wear individual protection equipment, such as gloves, shoes, protective clothes...*





#### *Containment sump :*

If you purchased a containment sump with your fume hood, please check regularly if there are any leaks in it, by removing the work-top situated on the containment sump. The work-top has a little hole in the right corner, to remove it easily.

If there is a leak in the containment sump, you need to empty and clean it quickly, with suitable equipment (absorbent mat...). Once cleaned, put back the work-top on the containment sump.

#### **Warning :**

*While cleaning the containment sump, you have to wear individual protection equipment, such as gloves, shoes, protective clothes... Do not stop the ventilation/filtration of your fume hood when you are cleaning your containment sump.*

#### *Glass walls :*

You need to check regularly the glass walls, to see if they are not damaged. If one of the walls is damaged, you absolutely need to replace it. Please refer to the spare parts in the next page.

#### **Warning :**

*To clean your glass walls, you need to use window cleaner with a soft cloth. Do not use an abrasive cloth ; you would scratch the glass walls.*

*Please wear individual protection equipment, such as gloves, shoes, protective clothes... before any operation.*

*You cannot use your ductless fume hood if one of the glass walls is missing.*

## **5. SPARE PARTS**

#### **Accessories**

- Light : Référence **LUD**
- Table-safety cabinet : P/N **TA12**
- Rolling table with a removable shelf : P/N **TR12**
- Tubular table with castors : P/N **TTR12**
- Tubular table with feet : P/N **TTF12**
- Connecting kit between the fume hood and the table-safety cabinet : P/N **KRPMSF**

#### **Spare parts**

- Side wall : P/N **PLEXC12**
- Back wall : P/N **PLEXA12**



- Front wall :
  - If fume hood with hands openings : P/N **D12**
  - If fume hood with trapeze opening : P/N **Z12**

## 6. RECYCLING

The fume hood can be entirely dismantled. Various parts such as the steel elements can be recycled. Ensure to respect the national and local waste disposal terms. Those elements should not be mixed with household waste.

## 7. WARRANTY

Your equipment holds a 12 months warranty against every manufacturing defect (limited to ordinary conditions of use, from the date indicated on the delivery note).

Our warranty can be applied only in case of manufacturing defects or hidden fault. The warranty covers only the replacement of the faulty goods or pieces indicated by our quality or technical department, as they are the only one able to determine the condition. Repair of the equipment must be performed in our warehouse.

The spare parts are under 3 months warranty upon their settlement.

The warranty cannot be applied in the following cases :

- The equipment has not been stored, used or maintained in accordance with the standards by the user
- In case of a damage of the equipment by the user or a third party
- The equipment had a modification or a repair by the user or a third party, without any prior written authorization by TRIONYX
- In case of a bad use of the equipment
- In case of a normal attrition of the equipment
- In case of a bad installation of the equipment
- In case of damage caused by the corrosion

The activation of the warranty won't extend the term. Our warranty stops if the customer has not notified us in a 7 days term after seeing the fault ; date that the customer has to prove.