

# **BH SERIES**

*BIOHAZARD CLASS A HOOD  
WITH LAMINAR FLOW*

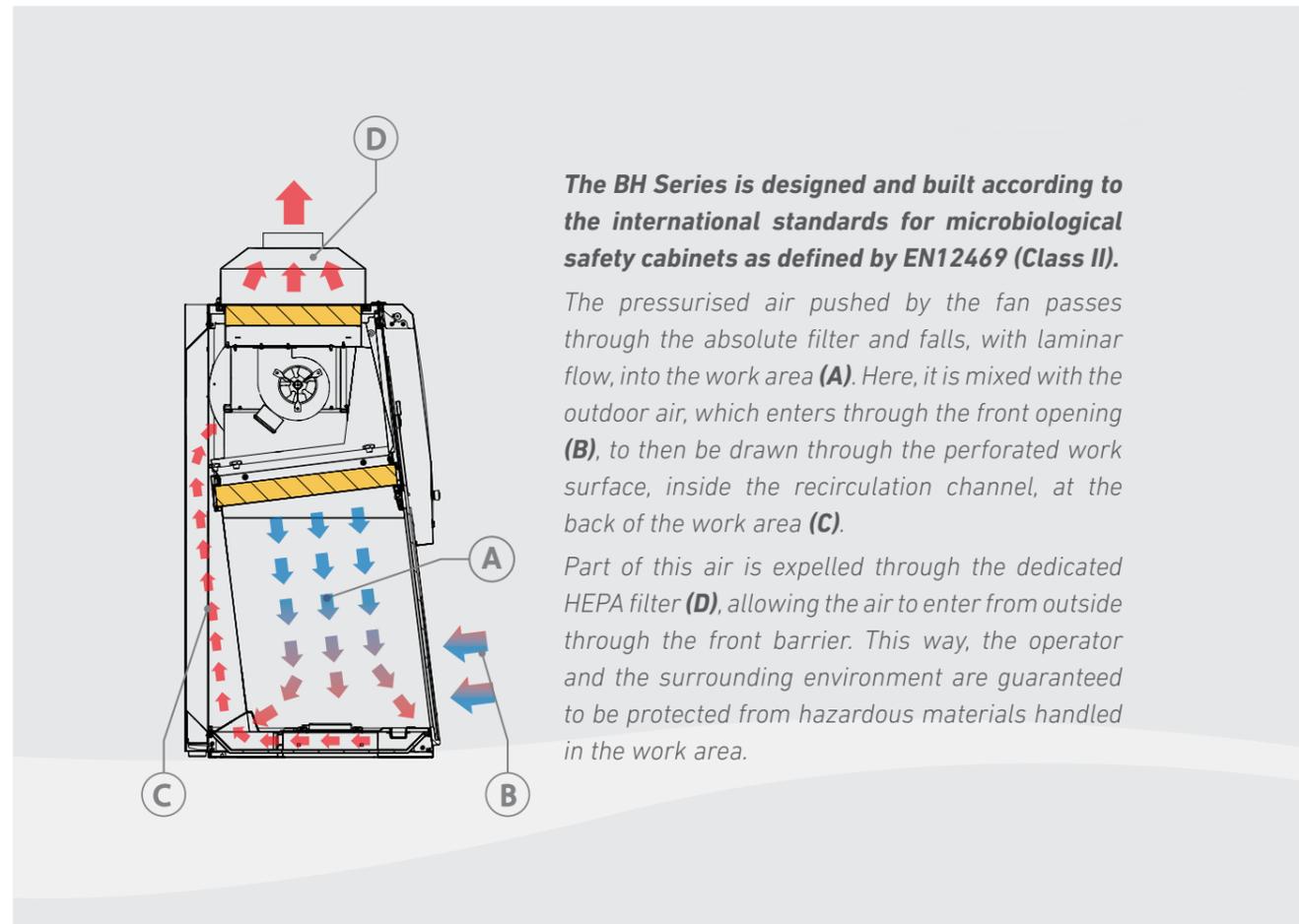


***SAFETY*** BEYOND ALL LIMITS

**BH SERIES**  
BIOHAZARD CLASS A HOOD WITH LAMINAR FLOW

The series of BH fume hoods is a family of workbenches with laminar flow (LAF), specifically designed to work with radiopharmaceuticals in sterile and safe conditions.

- ✓ Work area with air quality conforming to Class A "At rest" (EEC-cGMP)
- ✓ Designed specifically to work with radiopharmaceuticals
- ✓ Maximum safety for the user, the product and the environment
- ✓ Spacious work chamber for maximum ergonomics



**Work chamber** - Spacious work chamber made of AISI 304 stainless steel for maximum ergonomics, equipped with a motorised safety 8 mm thick glass window. A 17" monitor integrated in the rear side of the work area, used to control the dose calibrator\*.



**Solid waste compartment\*** - The waste is stored in the compartment through an opening on the work surface. The waste is then removed through the shielded front door. This process follows the GMP guidelines, according to which, the waste must not be removed directly from the sterile work area.

\* On the customer's request



**Sliding Lead glass window\*** to protect the operator from radiation.



**Generator compartment\*** - The generator compartment is separated from the work surface by a hinged door. Each generator is handled from its own "ascent" button. The generator compartment is also equipped with a motorised shielded damper that makes sure the unused generator is perfectly shielded.



**Dose calibrator\*** - The ionisation chamber compartment is at the centre of the machine work surface. The sample holder lifter automates the lifting action of the vials/syringes from the ionisation chamber to the work surface and vice-versa.

## GENERAL FEATURES

### Equipment lines

The machine is offered in different lines of equipment so as to meet every requirement.

Main equipment	Models	BH4	BH5	BH6
Machine width		1350 mm	1655 mm	1960 mm
Protective window		S	S	S
Liquids collection tray and pre-filter		S	S	S
Working area shielding				
5 mm of Pb		○	○	○
10 mm of Pb		○	○	○
Solid waste compartment				
Shielded 10 mm of Pb		○	○	○
Shielded 30 mm of Pb		○	○	○
Dose calibrator compartment				
Shielded 20 mm of Pb		○	○	○
Shielded 50 mm of Pb		○	○	○
Generator compartment				
Shielded 50 mm of Pb		○	○	○
Shielded 80 mm of Pb		○	○	○
Shielded sliding window				
5 mm of Pb (equivalent)		○	○	○
10 mm of Pb (equivalent)		○	○	○
Dose calibrator				
VDC-606 dose calibrator up to 2 Ci		○	○	○
VDC-606 dose calibrator up to 20 Ci		○	○	○
IBC dose calibrator up to 2 Ci		○	○	○
IBC dose calibrator up to 20 Ci		○	○	○

S= Standard; O= Optional;

### Technical data

Structure material		AISI 304 - Scotch-Brite™		
Working chamber material		AISI 304 - Scotch-Brite™		
Hood covering material		Carbon steel treated with epoxy paints		
Lead purity	Title	Pb 98% + Sb 2%		
Weight	kg	BH4	310	
		BH5	365	
		BH6	415	
Internal dimensions	mm	BH4	1190 x 580 x 740 (l x d x h)	
		BH5	1495 x 580 x 740 (l x d x h)	
		BH6	1800 x 580 x 740 (l x d x h)	
External dimensions	mm	BH4	1350 x 860 x 2535 (l x d x h)	
		BH5	1655 x 860 x 2535 (l x d x h)	
		BH6	1960 x 860 x 2535 (l x d x h)	

### Main technical features

- Pb 5 or 10 mm shielding in the side panels and work surface\*
- Work area with air quality conforming to Class A "At rest" (EEC-cGMP) and equipped with laminar flow on the entire area (downflow)
- Air inflow according to reference standards
- Filtration system to generate laminar flow in the Class A area, made with HEPA H14 absolute filtering cartridge
- Air outflow filtration system made with HEPA H14 absolute filter
- Work area made of AISI 304 stainless steel
- Shielded glass window on the front side\*
- Dose calibrator compartment\*
- Shielded solid waste compartment with extraction door outside the class A area\*
- Shielded generator compartment to automatically lift 2 Mo99/Tc99m generators up to the work surface\*
- A 17" monitor in the rear side of the work area, to control the dose calibrator\*
- PC support and calibrator console on the front side\*.

\* On the customer's request



COMECER S.p.A. - Via Maestri del Lavoro, 90  
48014 - Castel Bolognese (RA) - Italy  
t: +39 0546 656375 - f: +39 0546 656353  
comecer@comecer.com - www.comecer.com



www.comecer.com/bh-series

Part of COMECERGROUP