

Invisible Barrier

An **invisible air barrier** to protect the operator, the product and the environment.

It is suitable for different productive processes, such as weighing, sampling, filling, and different sectors: not only pharmaceutical but also cosmetic, chemical and laboratories, or anywhere the process requires to operate in containment conditions.

It is available in open or closed version, single or combined, equipped according to specific needs, ATEX version.

Invisible Barrier, in compliance to the current GMP and customisable for any Customer, allows to achieve a containment level up to OEB 4 (gloves and frontal screen needed) and a cleanliness class 5 of the working area (according to ISO EN 14644-1).



Operating principle

Invisible Barrier combines the dynamic containment (under partial recirculation conditions, a percentage of the air is HEPA filtered and expelled through the front of the cabin) and an air curtain directed downwards, in front of the operator.

The air flow creates a separation between the internal work area and the operator, intercepting and conveying the particles generated by the handling activities towards the inlet grids.

The threefold effect is:

- Operator protection
- Product protection
- Environment protection.



The possibility of operating **without physical barriers** allows a better ergonomics for the operator, more flexibility and speed in introducing the product, that is a 360° simplification of the operation.

Invisible Barrier is available in standard version or configured and dimensioned according to the Customer's specific needs and layout.

	INVISIBLE BARRIER S	INVISIBLE BARRIER M	INVISIBLE BARRIER L
External dimensions LxPxH m	1500x1200x2950	2200x1200x2950	3100x1200x2950
Internal dimensions LxPxH mm	1400x800x1000	2100x800x1000	3000x1200x2950

Options:

- Stainless steel AISI 316 manufacturing.
- ATEX execution.
- Movable and removable frontal panel, equipped with gloves for the maximum operator protection.
- Drums lifting system integrated in the structure.
- Continuous liner for the waste disposal.
- Total containment version.