



INVISIBLE BARRIER

AIR BLADE BARRIER CURTAIN

Invisible Barrier combines the dynamic containment 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 the operator, product and environment protection.



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.

TECHNICAL FEATURES

	External dimensions WxDxH (mm)	Internal dimensions WxDxH (mm)	Noise level (dBa)	Power (kW)	Power supply (V/ph/Hz)
INVISIBLE BARRIER S	1500x1200x2950	1400x800x1000	70	1.2	400/3/50-60
INVISIBLE BARRIER M	2200x1200x2950	2100x800x1000	70	1.5	400/3/50-60
INVISIBLE BARRIER L	3100x1200x2950	3000x1200x2950	70	2.5	400/3/50-60

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.
- CFR 21 Annex 1 compliance.