ILK-102 - ILK-202
SHIELDED PASSTHROUGH

ILK-102: This is a lead stainless steel passthrough for the delivery of isotopes by the suppliers.

The passthrough needs to be built into an outside wall of the laboratory or hospital; it is accessible on both sides by a door.

The doors are shielded with lead and can be locked.

The doors open to the right.

If the door needs to open towards the other side, please indicate this when ordering.

For easy transportation of the packages a special rolling mechanism is integrated in the bottom.

A special model is available with the doors mounted at an angle of 90°.

ILK-202: This is a double lead shielded stainless steel passthrough for the delivery of isotopes by the supplier. The passthrough consist of two compartments. The upper compartment is big enough to store two generators boxes. For easy transportation of the packages a special rolling mechanism is integrated in the bottom of the upper compartment. The lower compartment can be used, for example, for the storage of a mobile Krypton generator. The safe will be mounted on a metal supporting frame.

The passthrough needs to be built into an outside wall of the laboratory or hospital; it is accessible on both sides by a door.

The doors are shielded with lead and can be locked.

The doors open to the right.

If the door needs to open towards the other side, please indicate this when ordering.

Model	*ILK-102*	*ILK-202*
Frame material	AISI 304 - Scotch-Brite™	AISI 304 - Scotch-Brite™
Internal material	AISI 316L - Mirror-Bright	AISI 316L - Mirror-Bright
Shielding (Pb)	10 mm	10 mm
Front door shielding (Pb) (side fo the laboratory)	30 mm	30 mm
Passage dimensions	655 x 955 mm (w x h)	705 x 1568 mm (w x h)
Internal dimensions	600 x 700 x 900 mm (w x d x h)	594 x 680 x 894 mm (w x d x h) (upper compartment) 594 x 680 x 464 mm (w x d x h) (lower compartment)
Weight	500 kg	1300 kg

BU-ID - BU-IV - BU-IV-EXP
PASSTHROUGH WITH INTERLOCKED DOORS

BU-IV: This passthrough is used for passing mixtures and substances from one laboratory room to another. It is equipped with two hinged doors, one on the frontal part and one on the posterior part, with a pneumatic interblocking system: it is therefore only possible to open one of the doors if the other is closed, thereby guaranteeing the safety of the operators by maintaining the quality of the relative rooms. The work chamber is made from a single block of AISI 316L stainless steel, with Mirror-Bright internal surface finish, TIG continuous welds, then ground and smoothed and widely rounded corners. These characteristics ensure maximum ease and effectiveness of the decontamination procedures and prevent the infiltration and accumulation of contaminants in the joints.

BU-IV & BU-IV-EXP: This passthrough is studied to solve the problem of materials transiting through different environments, for example the Hot Chamber and the Quality Control area, avoiding potential downgrading of classified environments. The air is aspirated by the external area and sent to the hot chamber, after having been filtered by a HEPA filter inside the passthrough, keeping it at positive pressure compared to both the hot chamber and the exterior.

The passthrough, classified in Class D, enables the opening of the interior hatch only if the exterior one is closed and vice versa, enabling the present air inside it to be switched between closure of one hatch and opening of the other. Also, the shielding made with Pb 10 mm allows protection of the operators outside the hot chamber from risk of exposure.

The work chamber is made from a single block of AISI 316L stainless steel, with Mirror-Bright internal surface finish, TIG continuous welds, then ground and smoothed and widely rounded corners. These characteristics ensure maximum ease and effectiveness of the decontamination procedures and prevent the infiltration and accumulation of contaminants in the joints.

The two doors (laboratory side door is shielded) are locked by inflatable gaskets located around the perimeter. The control system guarantees the air seal and maintains the position of the door even if there is no electrical and pneumatic power supply, while allowing the emergency opening through the use of a manual valve.

Model	*BU-ID*	*BU-IV*	*BU-IV-EXP*
Frame material	AISI 304 - Scotch-Brite™	AISI 304 - Scotch-Brite™	AISI 304 - Scotch-Brite™
Internal material	AISI 316L - Mirror-Bright	AISI 316L - Mirror-Bright	AISI 316L - Mirror-Bright
Maximum load	20 kg	20 kg	20 kg
Wall thickness	100÷300 mm	100÷300 mm	100÷400 mm
Shielding (Pb)	5 mm	10 mm	10 mm
Internal dimensions	350 x 345 x 350 mm (w x d x h)	350 x 550 x 350 mm (w x d x h)	450 x 660 x 450 mm (w x d x h)
External dimensions	400 x 500 x 585 mm (w x d x h)	520 x 710 x 1630 mm (w x d x h)	725 x 790 x 1660 mm (w x d x h)
Weight	60 kg	140 kg	185 kg
Passage dimensions	295 x 295 mm (w x h)	295 x 295 mm (w x h)	395 x 395 mm (w x h)

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