

Murphil MC-L is a laminar flow Isolator suitable for cellular labelling, equipped with a central chamber and laminar flow in class A and a class B lateral pre-chamber, with a turbulent motion flow.

It is suitable for all kind of preparations at high microbiological risk (extemporaneous preparations) in accordance with the GMP standards.

The insulator is compact and all the commands are available by the touch screen operator panel.

The particular form of the lower zone allows the operator to work in a standing or sitting position.

The oval flanges allow a good adaptability to the operator's stature

The Murphil MC isolator is suitable to be installed in a class "D" local .



SHIELDINGS

- Internal shielding lead glass 2 mm
- Work top Lead 5 mm

FEATURES

- Multifunction touch screen operator panel,
- Hierarchies of password
- Outlet for particle counting

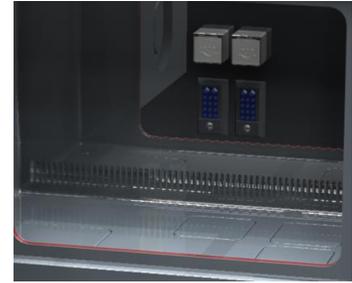
WORK AREA

Completely laminar flow box in AISI 316L stainless steel mirror polished.

The workspace can be equipped with waste compartment and compartment for the activity calibrator.

To make possible the use of the Isolator to operators with different stature is provided a system of oval flanges rotated 45° and a panoramic glass inclined.

The flanges, with large diameters make possible the mounting of gloves in a single piece or gloves with detachable over sleeve.



FRONT SHIELDING

The operator can work standing or sitting on a stool protected by the shield sliding front.

The lower section of the Isolator is in fact open to make room to the operator's knees.

Lead glass shield size 150 x 200 mm

VENTILATION

Area of work: CLASS "A" SECOND EEC GMP.

Prefilter input H 13 HEPA Efficiency 99.98%

Main filter: ULPA U15 Efficiency 99.9995%

Filter Output: H 13 HEPA Efficiency 99.98 + ACTIVE CARBON



LATERAL PRE-CHAMBER

The Isolator, according to the strictest interpretation of the GMP guidelines, has a pre-chamber in class B. Through the pre-chamber is possible to introduce and extract materials and preparations to and from the work area.

The pre-chamber has a front door of tempered glass sealed with the aid of static seals of pharmaceutical type. An inner door, equipped with the same sealing system, connects the pre-chamber with the main chamber.

The doors are equipped with interlock that does not allow their simultaneous opening. This security schemes combined with depression allows the maintenance of sterility of the work area. Inside pre-chamber is provided a tray mounted on sliding guides to facilitate the transfer operation of materials to the working chamber.



TOUCH SCREEN OPERATOR PANEL

The Isolator is equipped with touch-screen operator panel suitable to be handled with gloves. All functions can be performed and stored on the operator panel in order to have full traceability of transactions, as required by GAMP 5, CFR 11.

Traceability of operations and traceability of operators.

ALARMS AND SIGNALS

The operator is able to keep under constant control the state of the machine. At the same time is warned of malfunctions or deviations from the operating parameters.



OPTION: DOSE CALIBRATOR

Dose calibrator integrated in the operator panel of the machine, marked CE Medical Device.

Accuracy: $\pm 2\%$ over the entire measuring range. Range: 8 Ci

The dose calibrator functions are available directly on the operator panel or in a separate operator panel.



DIMENSIONS AND WEIGH

External Dimensions: (w x d x h) mm 1635 x 670 x 2250

Workspace Dimensions: (w x d x h) mm 1000 x 593 x 724

Prechamber Dimensions: (w x d x h) mm 400 x 460 x 445

Weigh: Kg 500