

ITECO ENGINEERING – ITECO SRL

GLOVE BOX –SYNTHETIC MANIPULATION ISOLATOR

Innovative equipment featuring avant-garde technologies.

Its safety devices and versatility allow this isolator to manipulate different substances requiring different protocols.

This isolator has been manufactured for synthetic procedures and manipulation of solvents and other chemical substances, such as alcohols, ketones, esters, aliphatic hydrocarbons, aromatic hydrocarbons, ethers, nitriles, sulfoxides and chlorinated compounds, which may release gases that:

- 1) are dangerous to men
- 2) can cause explosion or fire.

THIS TYPE OF ISOLATOR FEATURES 4 INDEPENDENT PROGRAMMES FOR THE OPERATING CONDITIONS.

A SELECTOR SWITCH IS ON THE CONTROL PANEL AND IS USED TO SELECT THE TYPE OF PROCESS ACCORDING TO THE SUBSTANCE TO BE TREATED / MANIPULATED:

- 1) *PROCESS WITH STANDARD SUBSTANCES*
- 2) *PROCESS WITH TOXIC SUBSTANCES*
- 3) *PROCESS WITH EXPLOSIVE SUBSTANCES*
- 4) *PROCESS WITH TOXIC AND EXPLOSIVE SUBSTANCES*

This isolator is fitted with double sensors that detect the concentration of oxygen and with analysis and control units complying with the Atex regulations, with uninterrupted monitoring and display of parameters. Automatic control and management of the process / operation parameters.

Bag in- bag out filtering system (replacement of contaminated filter with pre-installed barrier bag).

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