



Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Computerized Fixed Bed Plant For The Adsorption In The Gaseous Phase

**Product Code :**  
LBNY-0005-11600012



#### **Description :**

Computerized Fixed Bed Plant For The Adsorption In The Gaseous Phase is supplied with an adsorption column filled with activated carbons, into which a stainless steel coil is immersed. Computerized Fixed Bed Plant For The Adsorption In The Gaseous Phase unit has been designed for the development of gas adsorption and desorption processes. The unit enables to check all the process characteristic parameters in such a way to realize work complete cycles. The unit is made of borosilicate glass as this latter is particularly suitable for its operating characteristics and also of stainless steel. The coil terminals can be connected to an external refrigeration or heating circuit according to the process to be realized. The computerized version unit allows, thanks to the electronic transducers and suitable software, to display on personal computer and/or print the tables of results and diagrams of the various experiments. The particular construction of the column allows the classic adsorption material (activated carbon) to be replaced with others such as silica gel, molecular sieves, activated alumina, or others for experiments concerning gas de-hydration.

#### **Technical Specification :**

Water supply: 1000 l/h, 2 bar, 10 15C, from mains, for cooling  
Electric power supply: 380V, three phase and ground, 50/60 Hz; 1kW.  
Steam: 5 kg/h, 3 bar, for heating  
Weight and dimensions:  
Dimensions: 2000x1000x2600 h mm.  
Weight: 300kg.



**Laboratory Instrument India**