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**Product Name :**  
Absorption Desorption

**Product Code :**  
LBNY-0005-10700011



#### **Description :**

The column is supplied filled with glass Rasching rings 9x9 mm, and also supplied with polypropylene Pall rings, for the replacement of the glass Rasching rings in order to be able to study the effect of the filler on the efficiency of the absorption and desorption process. The main element of the Absorption Desorption trainer is a column of 1400 mm. height and 80 mm in diameter made in glass. The plant has pressure taps at the bottom and at the top of the column and two intermediate taps, through quick couplings connected to a water column differential manometer that allows determining the pressure drop within the column and the effects of the speeds of the liquid and of the gas on the pressure drop within the column. In both cases, the column filling maximizes the gas liquid contact surface, so that it produces the maximum possible absorption or desorption.

The Absorption Desorption plant also has three intermediate samplers for sampling both the liquid phase and the gas phase and 4 temperature probes with digital display. In a flow meter positioned on the liquid inlet line can be displayed the liquid inflow. This flow meter is made of borosilicate glass and stainless steel with stainless steel float. The liquid is introduced through the top of the column through liquid diffuser, which permits the dispersion of the liquid and thus a better distribution of the fluid within the column. The liquid phase is stored in a tank of about 30 liters of capacity made of polyethylene. Water or absorption liquid is led into the reaction column through a metering pump, which allows setting the incoming water flow to the column.

#### **Technical Specification :**

Absorption Desorption

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# Laboratory Instrument India

