

Product Name :
Fixed Bed Adsorption Unit

Product Code :
CIVIL-APB-178-0001

Description :

Fixed Bed Adsorption Unit

Technical Specification :

A benchtop unit comprising a vacuum formed ABS plastic plinth with integral electrical console onto which is mounted the stainless steel, packed fixed bed adsorption column, hot water circulation system and infrared detector.

The hot water circulator system connected to the column jacket allows automatic control of temperature adsorption to a set point value.

Gas feed flow rate can be controlled between 0 and 5 l/min.

The Bed Adsorption column has the following specifications:

Height 325 mm, diameter 58 mm

Stainless steel jacket for temperature control

Gas distribution plate at entry to column

Bed of glass beads for good gas distribution and maintenance of steady-state temperature

Six thermocouples spaced evenly along the length of the column

All electrical circuits are protected by appropriate safety devices.

The control console incorporates an electronic display: PID controller display, including the set-point temperature.

USB interface and sophisticated data logging software are included.

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