



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

MATERIALS MANAGEMENT DIVISION

Powai, Mumbai - 400076

Technical Specifications :
Absorption Desorption Setup

Design specifications :

- Column length – 30-35cm
- Column Diameter – 3.5-4 cm
- Packings – Raschig rings
- Packing Size – 3mm x 3mm
- Packing Height – 20 cm
- Flowrate range of solvents used- 120-380 ml/min
- Flowrate range of gas – 400-520 ml/min
- Temperature and Pressure in the absorption column – Ambient
- Temperature in the stripper column – 120°C
- Pressure in the stripper – 1.8-2 bar

Notes:

1. Flexibility to operate the two columns independently.
2. The absorption column should be of glass/polycarbonate and the stripper of steel.
3. Flexibility to use gas mixtures as well as pure CO₂.