

Capture CO2 for a future that benefits the next generation



About System

Advanced CO2 capture pilot plant features separate absorber and desorber columns for seamless batch and continuous operations. It includes dedicated storage for lean and rich solvents, sophisticated processing units, a high-efficiency cooling tower, and a pre-heating tank with an integrated heat exchanger. Automated control of input parameters and real-time data monitoring ensure precise operation. The plant is expandable from pilot scale to industrial scale.

Application

- Pilot Studies for CO2 Absorption and Desorption
- Research and Development Initiatives
- Educational Research & Studies
- Effectiveness Testing of Chemical Processes or Solvents
- Testing & Evaluation of Different types of Packing
- Powerplants, manufacturing & chemical industries etc.

Key Feature

- HMI-PLC based fully automatic control system reduces human interaction and increases safety
- Advanced static Absorber - Desorber Column System
- Diverse Packing & Solvent Selection
- Capacity: Up to 10 TPD
- Comprehensive Instrumentation
- Efficient Heat Exchange Mechanisms



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