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Product Name :
Flash Drum Trainer With PLC

Product Code :
ENGLABINGCAG640001



Description :

Flash Drum Trainer With PLC

Technical Specification :

The Flash Drum Trainer With PLC is a bench-scale plant that demonstrates continuous separation of a binary mixture of water saturated with carbon dioxide. The process has instrumentation to provide for control of operating flow, temperature, level and pressure. Flash Drum Trainer With PLC trainer provides the student the opportunity to gain real operating experience focusing on both the process of flash separation and control strategy.

Function of Flash Drum Trainer With PLC

The separation of volatile gasses dissolved in a liquid and recovery of the components usually involves a flash drum. Flash drum operations are found throughout the petroleum, petrochemical and numerous other industries. Flash Drum Trainer With PLC trainer separates a water CO₂ mixture in a see-through, industrial glass vessel. The trainer is equipped with process measurement and control devices. It has one each of temperature, pressure, level and flow controls. The entire trainer is controlled from a programmable logic controller computer interface (PLC).

Specification of of Flash Drum Trainer With PLC

- See-through separator vessel 6 (15mm) ID
- Electric process heater
- Membrane pre-carbonator using bottled CO₂ and tap water
- Electronic process measurement with 4 PID control loops by PLC

Time to reach steady state after a reasonable step change less than 10 minutes
Complete unit mounted on a metal table
Approximate overall dimensions 122 x 66 x 150 cm high
Available in all world voltages frequencies



Engineering Lab Equipment India