

Product Name :
Heat Exchanger Trainer With PID Loop Control

Product Code :
CHINAELABC3820003



Description :

Heat Exchanger Trainer With PID Loop Control

Technical Specification :

The transfer of heat energy between fluids is a very common industrial operation. The Heat Exchanger Trainer apparatus consists of six heat exchangers with associated fluid temperature indicators and flow indicating controllers. The Heat Exchanger Trainer With PID Loop Control are of equal surface area with each one having unique features. Trainees are able to learn the impact of: construction material, flow pattern or direction, turbulent or laminar flow, and exchanger design.

Specification of Heat Exchanger Trainer With PID Loop Control
Water flow rates controlled with flow meters PID controllers and pneumatically actuated control valves
Temperature measurement of inlet and discharge waters
A valve is provided to reverse the tube-side flow direction
Six common industrial type heat exchangers
Copper U tube exchanger in a Plexiglas shell with and without baffles
Single pass shell and tube exchanger brass and stainless steel
Four pass shell and tube exchanger brass
Brazed Plate exchanger with stainless steel plates
Approximate overall dimensions 160cm x 108cm x 164cm high
Available in all world voltages frequencies



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