

**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  
Brazen 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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