

Product Name :
Heat Distribution And Control In Heating Systems

Product Code :
ENGLABINGCAG790012



Description :

Heat Distribution And Control In Heating Systems

Technical Specification :

Design of a room heating system with controller and actuator
Temperature-led heating controller (outside temperature) with three-way mixing valve
Simulator for varying outside temperature
Function and design of a room heating system divided into sections
Hydronic balancing of heating circuits with multiple radiators
Function and design of commercially available heating technology components
Measurement of differential pressures, temperatures and flow rates
Energy calculation and evaluation of emitted heating capacity based on measured quantity of heat
Reading and comprehension of symbols and process schematics

Specification

Together with hot water generator: setup of a complete domestic heating system with 2 independent heating circuits
Heating circuit (A) with 1 subcircuit contains 2 flat radiators, 1 circulating pump, 1 heating controller with 3-way mixing valve and simulator for variation of outside temperature
Heating circuit (B) with 2 subcircuits contains 4 radiators, 1 circulating pump, 2 heating controllers, 2 solenoid valves
Flow control valves for hydronic balancing in heating circuit with 2 subcircuits measurement of flow rate and pressure

9 measuring points for differential pressure and temperature
Hot water connections with quick-release couplings



Engineering Lab Equipment India