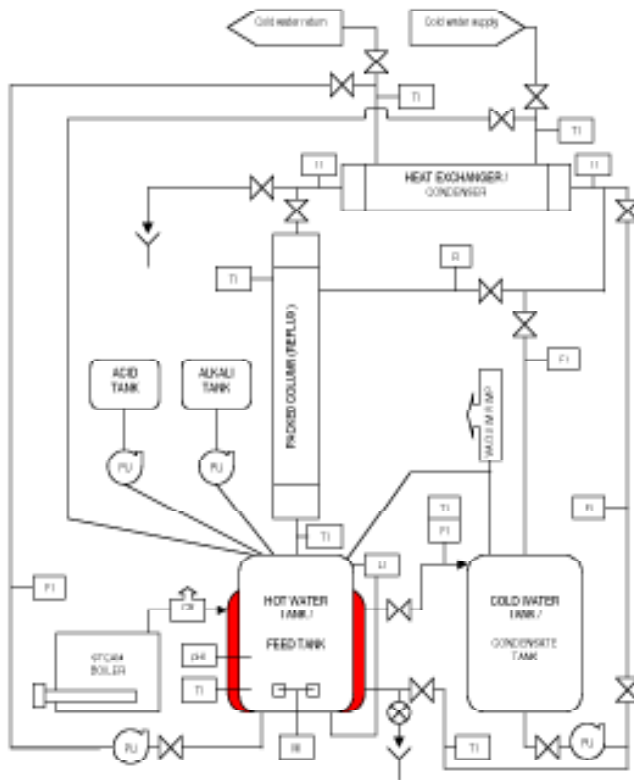


PROCESS CONTROL TRAINERS



We manufacture multipurpose process control trainers based on chemical process equipments. These trainers are custom-designed based on customer's requirements. They are suitable for students / researchers in the fields of Chemical Engineering as well as Instrumentation & Control Engineering.

Salient features of our product are as follows :-

1. Interdisciplinary training is facilitated
2. Gives the student/researcher a feel of various chemical process equipments & control strategies
3. Several combinations of equipments, instruments & control strategies can be selected & demonstrated
4. Blend of conventional, innovative & sophisticated instruments for study of various process applications
5. Compact, floor mounted unit; requires very less floor space
6. Easy to operate & maintain

Various combinations from the following options are possible :-

Equipments

Heat exchanger
Condenser
Crystallizer
Distillation unit
Reactors (Batch, CSTR, PFR)
Agitator
Boiler
Autoclave
Evaporator
Dryer
Pump
Compressor
Vacuum pump
Piping & valves

Instruments

Temperature sensor
Level sensor
Flow meter
Pressure transmitter
pH sensor
Proportional control valve
On-off control valve
Solenoid control valve
Variable frequency drive
Pressure gauge
Safety relief valve
Distributed Control System (DCS)
Programmable Logic Controller (PLC)
Supervisory Control & Data Acquisition (SCADA)

Control strategies

Feedback
Feed forward
Feedback + feed forward
Cascade
Blending / ratio control
Selective control
Profile control
System identification
Soft sensor

Manufactured in India by :-

NAVIN PROCESS SYSTEMS

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