

## 4-Jacketed continuous stirred tank reactor

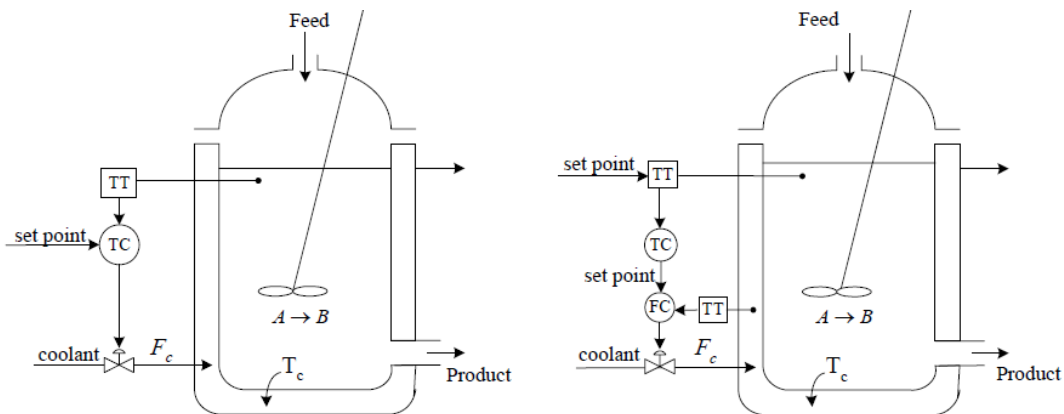


Fig.35 Temperature control:(a) conventional feedback; (b) Cascade control

## 5- Heat Exchanger

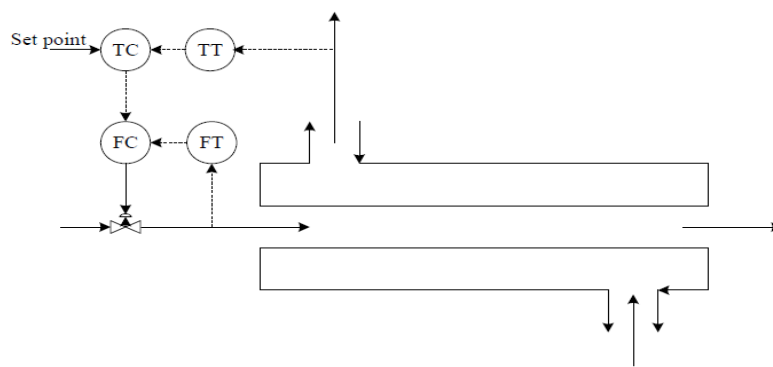


Fig.36 Heat exchanger

## 6-Distillation column

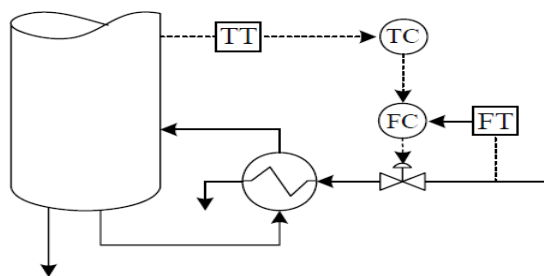


Fig.37 Distillation column

## 7-The furnace

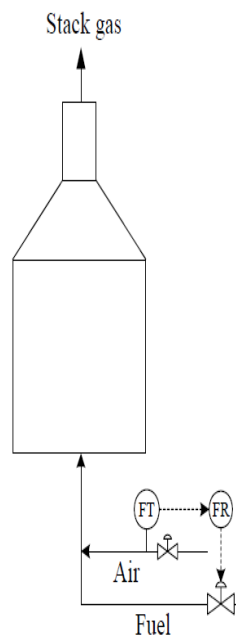


Fig.38 The furnace

## 8- The reactor

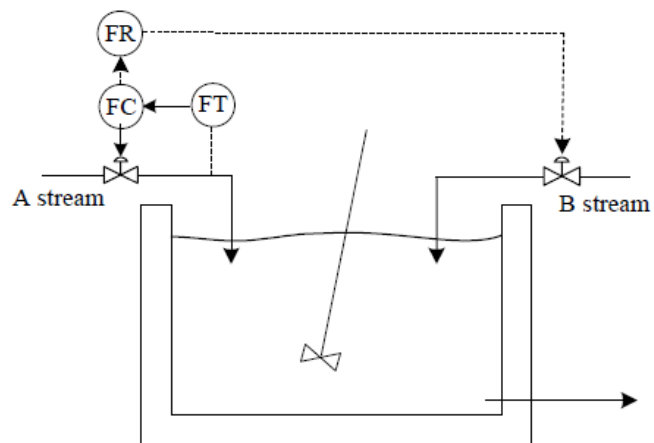


Fig.39 The reactor

## 9- Recycle and purge system

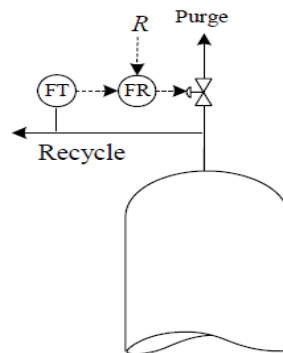


Fig.40 Recycle and purge system

## 10- Distillation column

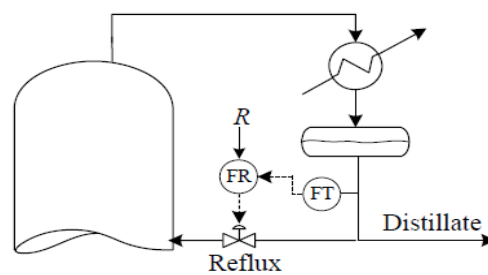


Fig.41 Distillation column

## 11- Sand-water slurry system

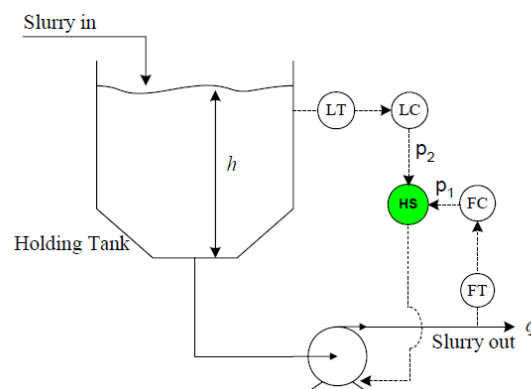


Fig.42 Sand-water slurry system

## 12- Tubular reactor

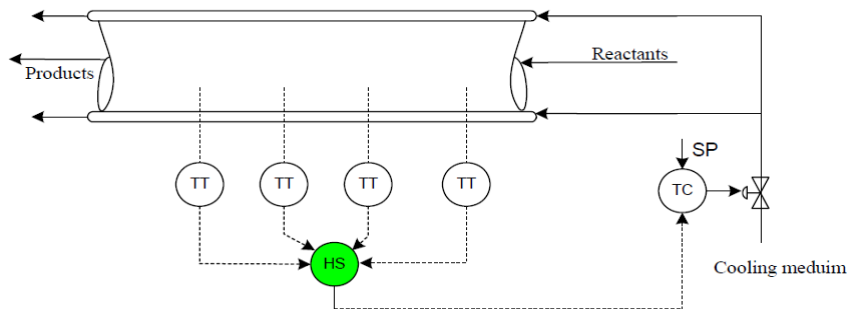


Fig.43 Tubular reactor

## 13- Hot oil system

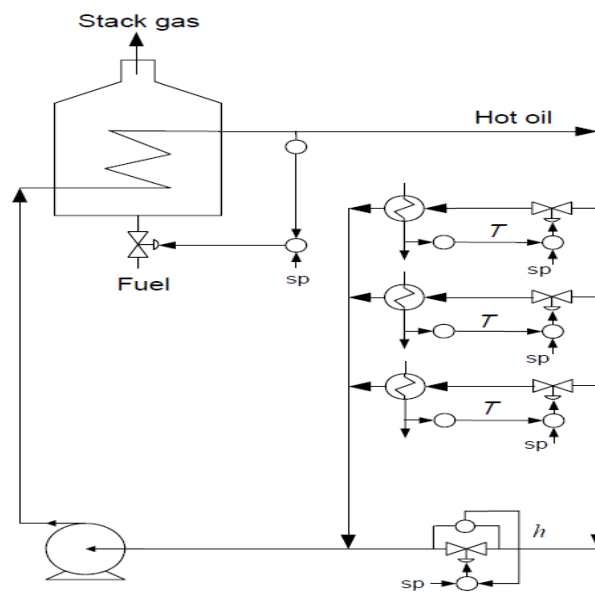


Fig.44 Hot oil system

## 14-Boiler

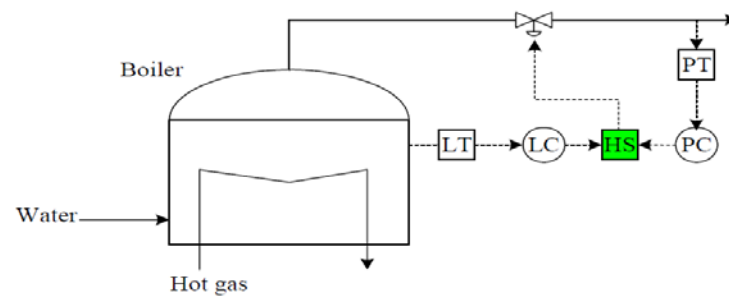


Fig.45 Boiler

## 15- Compressor

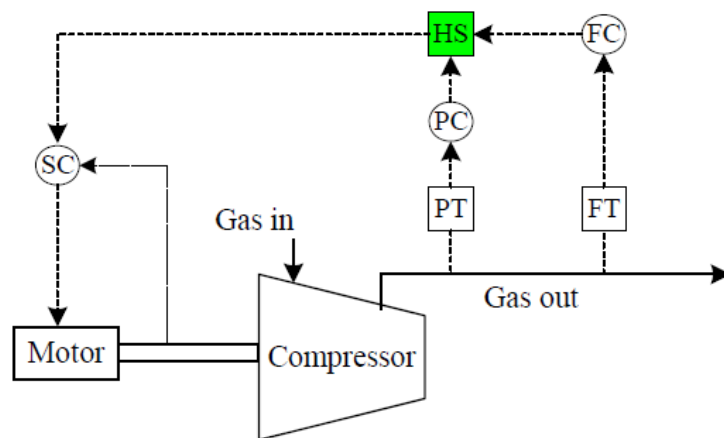


Fig.46 Compressor