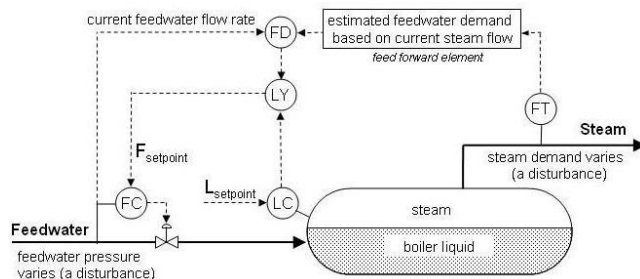


At Aneka Engineering, we strive to become your local partner for the process control and automation solution. We want to understand your production process; so to increase the efficiency of your production plants, safeguard the product quality and enhance the safety of the operation.

BOILER FEEDWATER CONTROL SYSTEM

Control the boiler steam drum level is critical to prevent mechanical damage to the steam drum and boiler tube and water carry over into downstream equipment. From the control valve, isolation valve, level transmitter and flowmeter to complete system; we can provide system based on:-

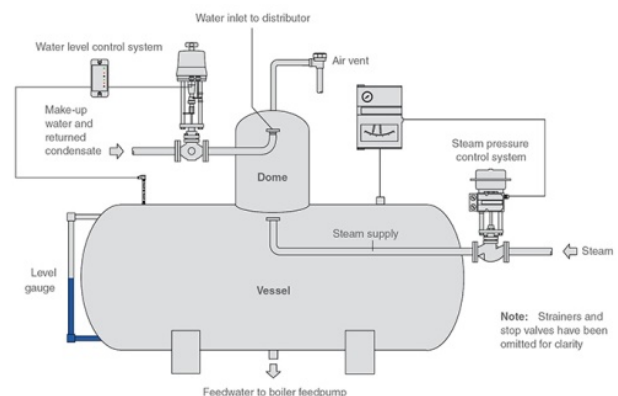
- Single element control with drum level
- Two element control utilizes steam flow in addition to drum level
- Three element control utilizes steam and water flow in addition to drum level



DEAERATOR CONTROL SYSTEM

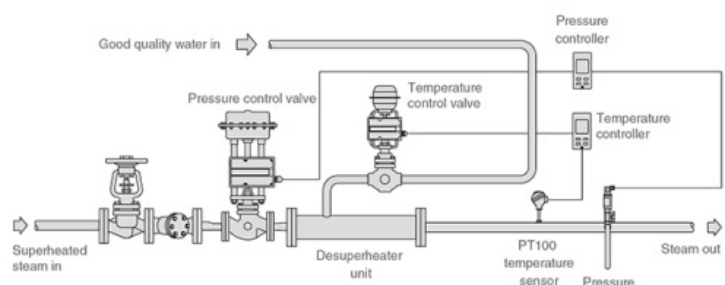
Deaerator system is essential to remove the unwanted gases from boiler feedwater to protect corrosion and scaling in system. From complete system to retrofit existing system with supply of:-

- Control Valves
- Deaerator Head
- Pressure Sensor
- Control Panel
- Level Sensor
- Isolation Valves



PRESSURE REDUCING DESUPERHEATING SYSTEM (PRDS)

Most modern boilers generate steam at high pressure and temperature. However all process industries use low saturated steam pressure because of its high heat transfer efficiency. PRDS is a modular steam conditioning unit to reduce the steam pressure and temperature at the point of usage. We offer complete PRDS solution from steam pressure reducing control valve, water control valve, isolation valve, safety valve, desuperheater, pressure and temperature transmitter, gauges and PLC control panel.



STERILIZER CONTROL SYSTEM

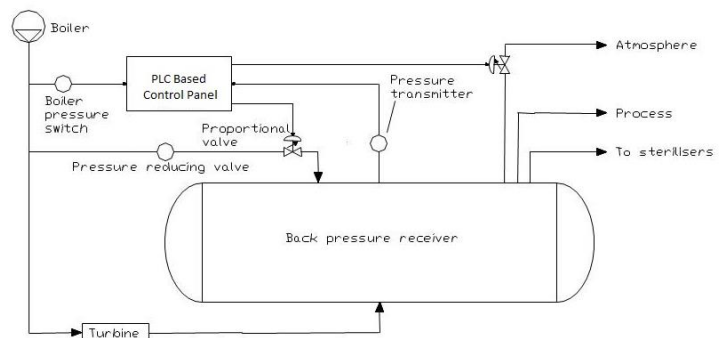
The process of sterilization is essential to the success of oil extraction. Successful sterilization leads to the success of future steps such as screw press and nut cracking.

- Programmable Logic Controller (PLC) and colour HMI
- Horizontal or Vertical control system
- Colour mimic with LED indicator
- Auto sterilizing process with 1/2/3 peaks.
- Time based or Pressure based.
- 3 programs recipe based on fruit ripeness
- Sterilizer steam inlet, outlet and condensate valves



TURBINE BYPASS & BACK PRESSURE RECEIVER (BPR) SYSTEM

Back Pressure Receiver System is designed to bypass the steam from the boiler to the receiver before allowing the steam turbine to operate during plant start-up. Modern BPR system integrates into processing plant to ensure consistent and sufficient steam supply by make up the steam supply into receiver especially during high steam demand from processing plant.



INSTANTENOUS HEATING SYSTEM

We have developed and customized Skid Mounted, Packaged Plate Heat Exchangers for instantaneous heating of domestic water and palm oil for processing plant.

- Low cost of ownership
- Minimum cost of maintenance or inspection
- Substantial energy saving
- Precision control
- Compact design reduced footprint and energy lose
- High efficiency Plate Heat Exchanger
- PLC Based or PID Controller

