

UniKlinger Solutions for Hotel Industries

UKL Condensate & Flash Steam Recovery System with Deaerator Head



UPPPU



Flash Vessel

Deaerator Head

Observation

- In Hotel industry major Steam Consuming Equipments are Calander, Dryer, Washing machine, Body & Bosom press machine, Foam machine, Cuff & Collar, Cotton legger machine.
- It is observed that common centrifugal or turbine condensate pump uses to transport and recovery.
- Centrifugal pumping system increases back pressure on traps, flash steam keeps venting.
- Around 75-85% of heat content in the pressurized condensate is in flash steam
- Use of electricity the costliest utility.

Objective

To provide factory tested prompt solution to recover flash steam & condensate and to improves energy saving.

Solution

UKL offers complete package solution to recover condensate and flash steam. The Pressured Power Pump Unit (UPPPU) is a skid mounted Assembly with Flash Vessel. Deaerator Head is to be installed on Deaerator tank to heat feed water with flash steam. Receiver collects the condensate from various points. The condensate flows through a uni directional Disc Check Valve (DCV) to the pump section. The Float assembly, inside the pump section, rises with the level of the condensate and at a predetermined level snaps a valve open to let in Steam, while simultaneously a vent valve gets closed. The steam pushes the condensate out through the outlet DCV which too is unidirectional leading the condensate out to the desired point. UKL Pressure Power Pump can be used with motive as Steam or Compressed Air.

Sizes:-40/50,80X50 & Duplex
Capacity:-1600LPH to 8900LPH

