SED

Unleashing Excellence

Molasses Conditioner

SEDL Molasses Conditioner are alternative to plate and tubular surface heaters. Utilisation of lower grade vapours for heating enables the bleeding system to be shifted towards later stages of evaporator station. Molasses Conditioner effectively removes dissolved gases of juice during counter current heating process. These heaters do not require standby units for cleaning during the season. Total pumping head requirements are also reduced significantly. Molasses Conditioner is generally designed for counter current operation for effective utilization the latent heat of the vapours used. In-built entrainment separator is provided to prevent the carryover of juice particles with non-condensable gases.

+92 333 8245456

contact@sedl.pk

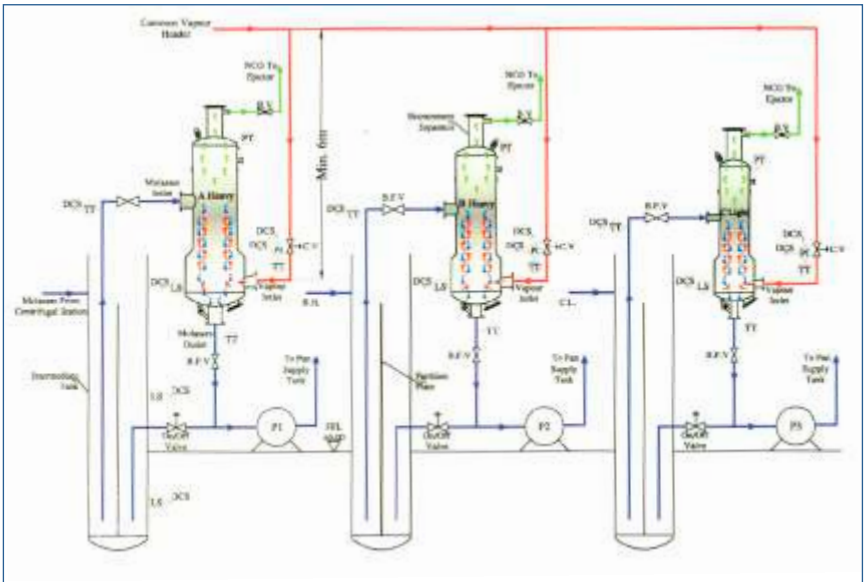
www.sedl.pk

Sustainable Environment Developers

(Formerly Spray Engineering Devices)

Advantages:

- 0 – 1°C Temperature Approach
- Operates on Lower pressure Vapours
- Lower piping and valves requirements.
- No loss of Heat in Non Condensable Gases.
- Low Pumping Power Requirement
- Compact in Size and light in Weight
- Better Steam Economy
- Stainless Steel Construction
- Variable applications vacuum or pressure
- Simple Design & Easy to operate
- No Cleaning required.



2.1. DESIGN PARAMETERS

Design Features:

- Light-weight stainless steel structure with corrugated shell and rib supported deflectors.
- High turndown ratio (operational between 30 - 100% of designed flow without compromising its efficiency).
- Rugged baffle design with no dead zones; effective interaction with vapours.
- Effective NCG removal due to compact sizing.
- Inbuilt entrainment separator.

More than 100 Molasses Conditioners installed in Pakistan

Optimized Engineering:

- Low piping & valve requirements.
- Low floor space requirement and light weight structural layout as compared to tubular heaters.

Trouble Free Operation:

- No flooding.
- No cleaning or maintenance required.
- Can operate in fluctuating vapour conditions without compromising efficiency.

Power Economy

- Low head pumps are required due to negligible pressure loss as compared to tubular / plate type heat exchanger (PHE) thereby reducing power consumption.

Steam Economy

- Utilization of low grade vapours improves steam economy of the plant.