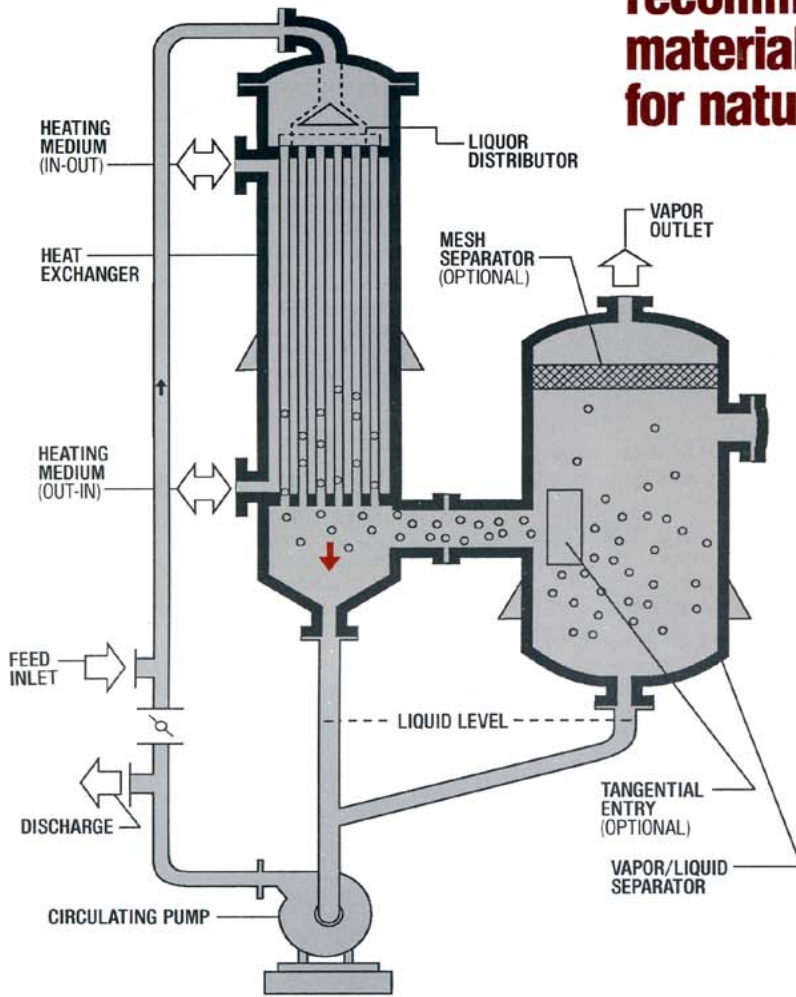


CIRCULATING DOWNFLOW (FALLING FILM)

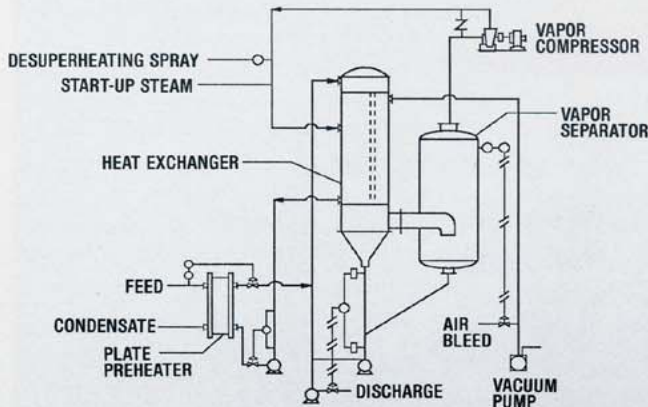
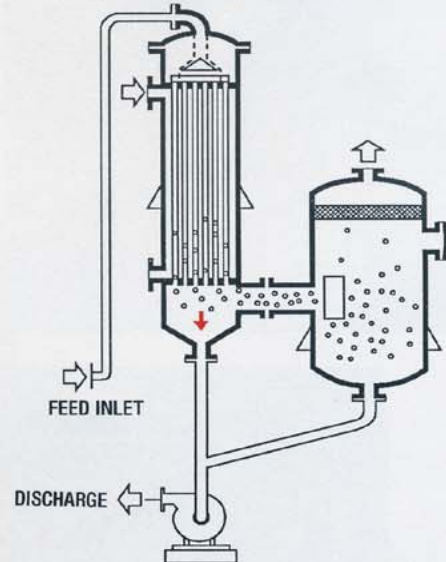
recommended for heat-sensitive materials or liquids too viscous for natural circulation.



Uniform distribution of the liquid to the top of the vertical heating tubes assures that a thin uniform film flows down the inside surface of the tubes. The vapor flows co-currently with the liquid in a constantly increasing velocity into the separator. Concentrate may be removed continuously or in batch lots.

SINGLE PASS DOWNFLOW

This configuration is recommended for low concentration ratios.



- Flexible operation — especially suited for vapor recompression
- Readily designed for sanitary processing
- No hydrostatic head is present to suppress boiling
- Low tube wall temperature minimizes fouling
- Smaller holding volumes than other tubular types — less retention time