# Effect of viscosity on coefficients of heat transfer in forced circulation evaporators.

## - - Convective Heat Transfer Coefficients Table Chart

Description: -
-effect of viscosity on coefficients of heat transfer in forced circulation evaporators.
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**Forced Circulation Evaporator**

Proper instrumentation must be applied for multistage evaporators which incorporate a large number of stages. Plate type heat exchangers see Fig.

**Unit Operations in Food Processing**

Overall, forced circulation designs are the most versatile type of evaporator, but generally are the most expensive to operate and maintain.

**Evaporator Types**

Forced circulation systems are illustrated in Figs. The liquid film moves down the tubes by gravity force.

**Forced Circulation Evaporator Manufacturers**

High volume, low head axial flow circulation pumps are used for recirculating the crystal laden slurry in the evaporator and hence the operation of this evaporator is independent of the temperature difference. A choice of a forced circulation evaporator can be made only after balancing the pumping cost, which is usually high, with the increase in heat transfer rates or decrease in maintenance costs.

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