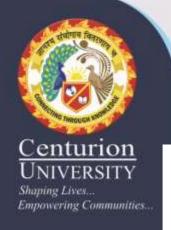
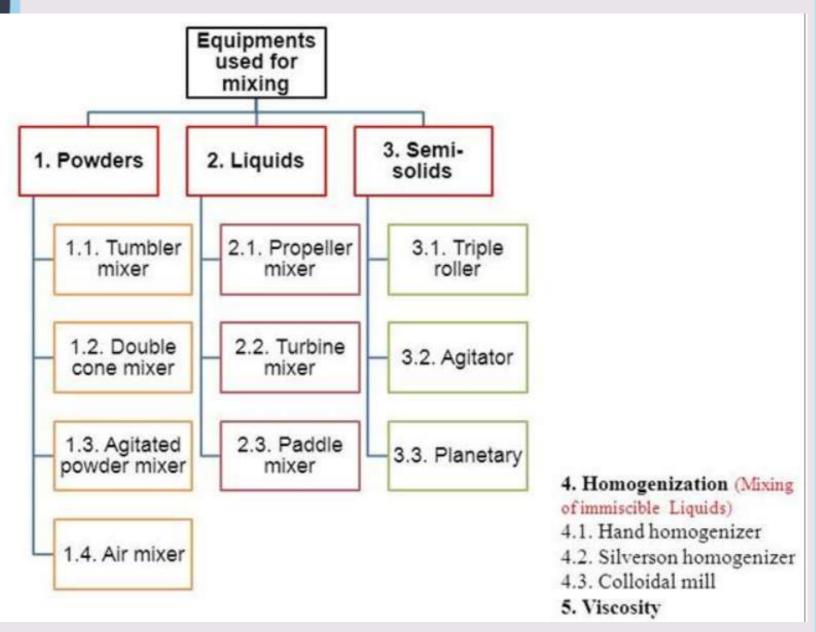
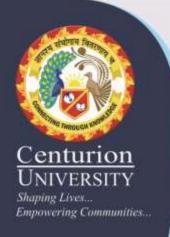


Homogenization

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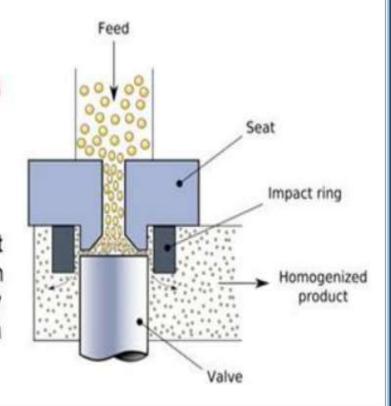


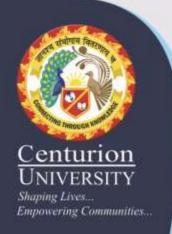
4. Homogenization (Mixing of immiscible Liquids)

It is the process of preparing fine emulsion from a coarse emulsion by converting the larger globules in to smaller globules.

Principle:

Homogenisers works on the principle that the large globules in a coarse emulsion are broken in to smaller globules by passing them under pressure through a narrow orifice.





4.2. Silverson homogeniser

Construction: Emulsifier head (with blades), shaft, stand and electric mortar.

Working:

Emulsifier head is placed in vessel containing immiscible liquids



When the mortar started, the liquids are sucked through the fine holes and oil is reduced into fine globules due to the rotation of the blades



Fine emulsion is expelled out

