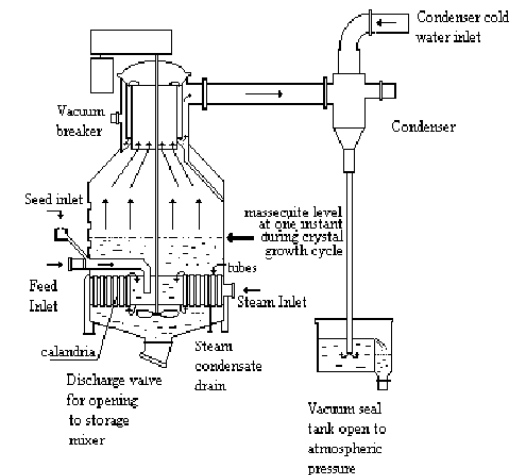
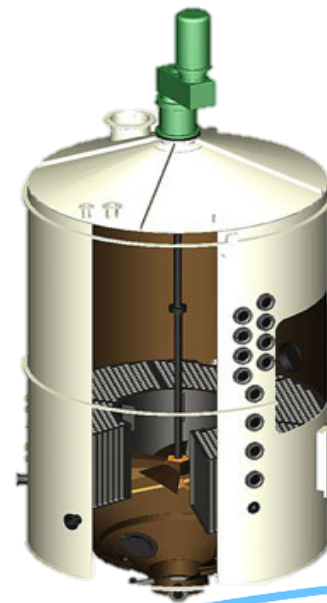
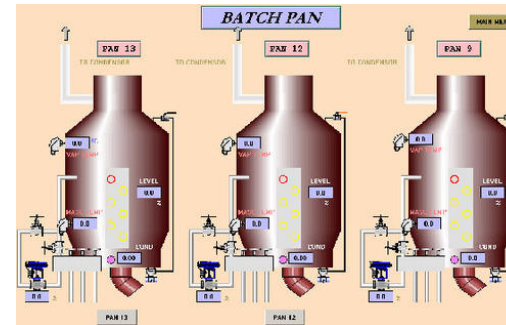


# Batch-Type Vacuum Pan

In batch pans, in order for circulation to occur, it is necessary before boiling to fill the pan to cover the top of the tubes. During boiling, the massecuite level reaches about 1500 to 2100 mm above the top tube plate, creating a high hydrostatic head and causing elevation of boiling point. This in turn lowers the differential temperature between the massecuite and the Calandria steam and increases the likelihood of color formation.

- ✓ Favorable correlation of heating surface and capacity.
- ✓ Rapid boiling.
- ✓ Uniform grain, free from conglomerations.
- ✓ Large down-take for rapid circulation and lower graining volume.
- ✓ Uniform degree of super saturation.
- ✓ Tangential double entry / jacketed Calandria.
- ✓ Effective feed distribution arrangement in bottom cone.
- ✓ Manual / Pneumatic / Hydraulic operated discharge valves.
- ✓ Simplicity of operation and negligible power consumption.
- ✓ Ideal for fitting onto the existing pan valves without disturbing existing manual mechanism.



## Input Design Parameters

| DESIGN SPECIFICATIONS           | UNIT | VALUE |
|---------------------------------|------|-------|
| Pan Volume                      | M3   |       |
| Grain Volume % Str Volume       | %    |       |
| Circ Ratio                      |      |       |
| Heat Surface : Vol              | /m   |       |
| Tube Length                     | mm   |       |
| Tube Diameter                   | mm   |       |
| Hole Diameter                   | mm   |       |
| Pitch                           | mm   |       |
| Pan Bottom Shape                |      |       |
| Conical / Double Conical / Flat |      |       |

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