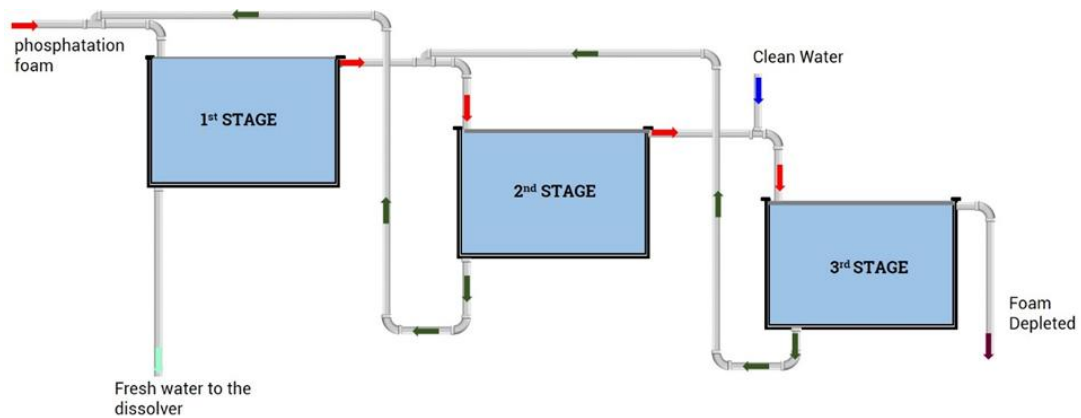


# Scum De-sweetening System

## Three-stage countercurrent liquid-liquid sugar extraction

- The scum leaving the main clarifier is carried along with clear water by gravity. It travels from stage 2 to the stage 1 mixing tank (gentle bubbling is produced for extraction without breaking the original floc).
- The clear fresh water from the initial stage goes directly to the dissolver, and the foam dragged by the clear water from stage 3, goes by gravity to the stage 2 mixing tank.
- The stage 2 scum is dragged with pure condensate into the stage 3 mixing tank.
- The stage 3 scum is measured for sucrose content and goes to the waste ditch.



## Scope achieved with the system:

- Increased recovery of sweet foam.
- Floc integrity.
- Reduction of external automatic control equipment.
- Helps improve clarification and turbidity.
- Sugar recovery up to 99.4%

