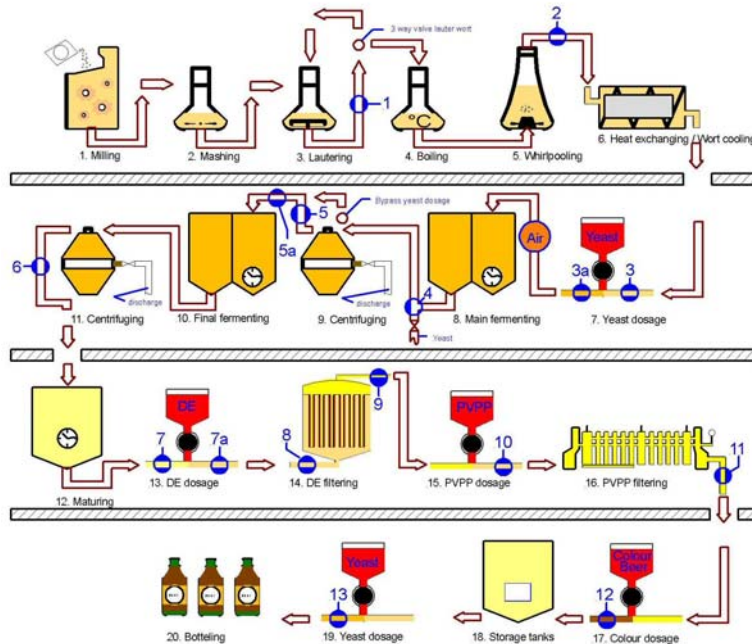


Beer / Water / Lye separation



Point of measurement

typical measurement ranges:

0-30 colour EBC

0-100 turbidity EBC

Description:

The separation of beer water and lye is a very important application. Product or lye must be removed from the production pipes with each CIP- cycle by using clear water. This procedure must be done very careful to protect the beer in the storage tanks against dilution. The brewery will have enormous product losses In case this procedure stops too early and pump the beer into the waste water. In case the purge procedure stops too late the beer will be diluted and maybe undrinkable. After the CIP- cycle the lye is has to be removed from the pipe system by using water. The lye is expensive in purchasing, recycling and wasting. A colour / turbidity monitor is used to optimize those separation procedures. Depending on the frequency of the CIP- cycles the investment for a colour / turbidity monitor can be returned with in three to six month.

Advantages:

- Perfect product separation just in time
- Minimization of product losses
- Optimization of use and recycling of the lye

Principle of measurement

- 1.) Single beam dual channel absorption measurement