

BCMF Beer Ceramic Membrane Filter

The Patent No. of Cleaning Device of Ceramic Membrane for Beer Filtration : 2017209705026



Kieselguhr-free Filtration System

Lehui Kieselguhr-free filtration equipment has stable performance with more saturated color, all indicators including qualified turbidity, the original concentration, total polyphenols, alcohol and others are up to standard, the ratio of alcohols and esters is in the standard range.

Advantages

- ▶ The use of cross-flow filtration technology;
- ▶ Unattended intelligent filtering achieved;
- ▶ Continuous filtration: Single-time average filtration for 4-10 hours, 24 hours continuous production can be achieved with short CIP for 40 minutes. Automatically switch the production/CIP status, filtration - short CIP - re-filtration - short CIP, etc., until the end condition reached.
- ▶ The filter flux will not be attenuated after each filtration and cleaning by the special short CIP recipe. The short CIP time is within 40 minutes, and regular weekly CIP cleaning will ensure the ceramic membrane flux is same as it is.
- ▶ The filtered beer with less oxygen and low turbidity maintains the original beer flavor; Because of the membrane filtration principle, the sterilization effect is good and makes the filtered beer in aseptic condition almost.
- ▶ More filtration modules could be connected when the scale of production is expanded;
- ▶ Can be filtered directly without centrifuge.



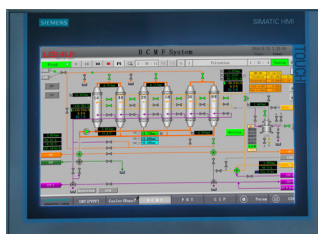
Advantages of ceramic membrane

- ▶ Long service life(membrane normally 8 years)
- ▶ Comprehensive CIP cleaning
- ▶ Resistance to acid/caustic corrosion
- ▶ Accepting above 10 bars operation pressure
- ▶ Sterilized by warm water and steam to ensure hygiene and safety



Technical Data

- ▶ Filtration capacity: 5-40T/h
- ▶ Turbidity of bright bee: <0.5 EBC
- ▶ Maximum Oxygen pick up: <20ppb
- ▶ Extract loss: <0.25%
- ▶ Maximum retention of color: 0.25 EBC
- ▶ Maximum retention of original extract: 0.1°P



• We reserve the right to change the mechanical specifications and designs without prior notice.

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