



Requirements and solutions

The KHS Ecostab B system in container format is ideal for the polyphenol stabilization of beer. The fully automatic, independent system includes a batch tank for the PVPP suspension and a regeneration module. Following stabilization, the regeneration process is initiated within the module fully automatically, with the PVPP suspension being discharged into the PVPP batch tank at the end of the process. The amount of PVPP dosed is turbidity controlled and proportional to the flow of beer. The system's modular design with small container sizes considerably cuts down on media consumption, requires less space and incurs lower investment costs. The KHS Ecostab B can be excellently integrated into existing filtering lines with very little effort and offers maximum flexibility.

Key features

- PVPP dosage in the main flow - no bypass control
- Fully automatic production by batch
- Excellent product separation - extremely short mixing phases
- Hose pump and turbidity meter for precise dosage of the PVPP suspension
- Lower media consumption and less space required
- Touch panel for process and system visualization
- Fully automatic system - can be perfectly integrated into existing filter lines
- Compact design enables the system to be packed and shipped as one unit in a standard Container

Standard equipment

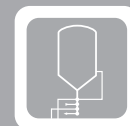
- Frame accommodating all process-relevant system components
- PVPP tank for the PVPP suspension
- Hose pump for PVPP dosage
- Regeneration module, including a CIP pump
- All components needed for operating the system, such as pumps and valves, etc., are compactly mounted on a stainless-steel framework and come ready for operation
- Material for tanks and piping, etc., made of 1.4301 stainless steel (AISI 304)
- Automation system for operation of the stabilizing system
- Skid-mounted, compact, stainless-steel design (AISI 304)



2_INNOPRO ECOSTAB B

FULLY-AUTOMATIC PVPP BEER STABILIZING SYSTEM FOR
SMALL AND MEDIUM-SIZED BREWERIES

PROCESS ENGINEERING SOLUTIONS



Benefits

- Fully automatic production
- Optimum polyphenol reduction
- Excellent product separation - extremely short mixing phases
- Low media consumption
- Up to 25% lower cost of investment
- Easy-to-maintain, stainless-steel system (AISI 304)
- Packed into a standard container, the system enables quick, cost-effective installation and commissioning; Plug & Produce



Service

- Worldwide service and fast supply of spare parts
- Complete line design
- Customized system layout
- Turnkey system planning and construction

Technical data

Stabilizing capacity

50-240 hl/hr

Module dimensions

Stabilization module: width 2.2 m x height 2.9 m x depth 2.2 m

PVPP tank dimensions

Width 1.3 m x height 2.9 m x depth 1.3 m
(packable as one unit in a standard container)

PVPP suspension batch tanks

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Degree of Automation

Fully automatic