

Aseptic storage for NFC and concentrates



As a specialist in the beverage industry, we offer automated and worry-free storage for sensitive products

- Supply and commission
- State-of-art control and automation solutions
- Profitability in beverage production



Scope of production

We can manufacture, supply and commission individual tanks or complete production lines. The use of technological solutions that minimise the loss of raw materials and media in the production process is crucial for profitability in beverage production. Our experience and innovative development ensure that you have access to state-of-the-art control and automation systems. Based on your requirements, we draw up a specification sheet and propose optimum solutions.

The tank farm control system is based on the Siemens S7 PLC with visualisation on a SIEMENS Comfort Panel. The system enables the complete monitoring of all processes as well as the cleaning of the desired system components.

Benefits

- Storage of storage cards according to HACCP – production quality management, archiving of storage processes: washing and its parameters, agents used for washing, preparation and release of tanks for production,
- Status assigned to the tank to reduce handling errors,
- Direct insight into stock levels,
- Information on each tank,
- Control of the correct connection of the selected tank

Visualisation

- Tank information and calibration card,
- Filling operations card,
- Charter of aseptic and averaging tanks with agitators,
- Diagram showing layout of tanks, piping and instrumentation,
- Diagram of piping connections between valve panels,
- Automatic programmes.

Control system

- Remote monitoring of the processes carried out in the warehouse,
- Integrated storage system with aseptic filtration system, unloading system with DMS weighing function,
- Integrated storage system with CIP stations,
- Continuous control of tank sterility by measuring pressure, temperature and media level changes,
- Controlled sterilisation of aseptic tanks before filling,
- Automatic valve switching or visualisation of manual valves,
- Graphic display of possible connections,
- Monitoring and control of the cleaning process - full integration with the CIP cleaning system,
- History of tank filling and emptying

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Products and Services

Process technology for the processing of fruit and vegetables into juices, concentrates and purees production, for brewing solutions, for filtration, for milk powder production, for vacuum drying of liquid and solid products, freeze drying of coffee, tea, fruit, vegetables, etc. Technology for the dewatering of municipal and industrial biosolids and the filtration of drinking water

Products

Fruit reception lines, mills and crushers, mash heaters, hydraulic presses, extractors, membrane filtration equipment, cold block equipment, adsorbers, ion exchangers, evaporators, dealcoholisation and aroma systems, pasteurisers, CIP systems, vacuum and freeze drying cabinets and belt dryers, zeolite adsorbers, complete processing lines, tank farms, storage and processing tanks, mixing and dosing stations

Services

Bucher customer portal and digital services, process development and project engineering, assembly and commissioning, technical support, original spare parts, inspection and maintenance, test centers, Bucher Academy