

AutoBlend Systems

LIQUID SOAP PRODUCTION

Advantages

- Continuous production enables sterile operation
- No air introduction to finished product
- Constant product quality
- Flow-through cleaning and sterilization



This metering and mixing installation can produce up to 3000 liters of liquid soap per hour, using 9 different raw materials.

The production is continuously monitored on the basis of loss-in-volume (LIV) for each ingredient.

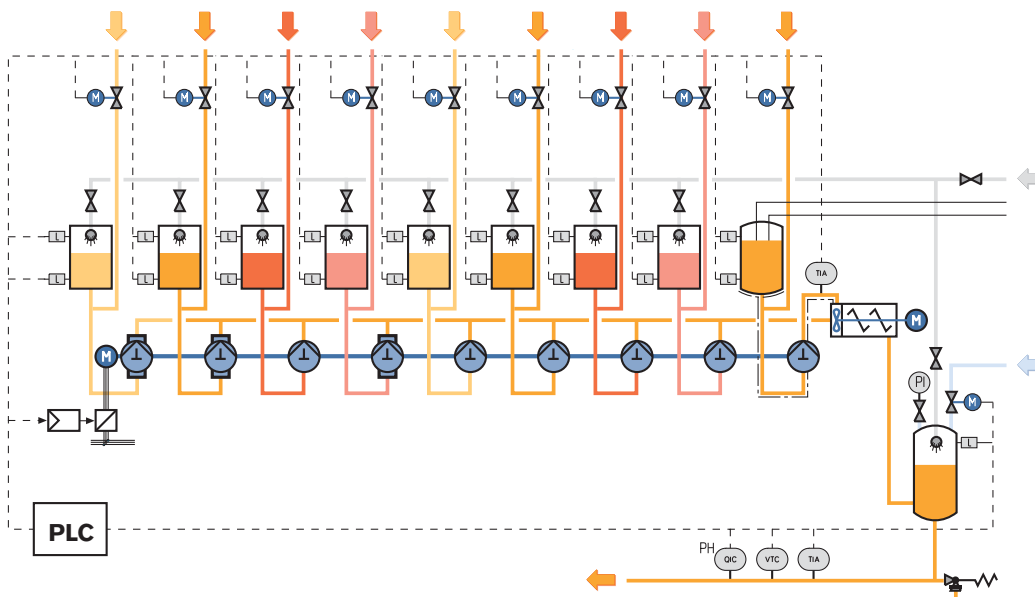
A Siemens PLC controller with extended memory performs the data handling. A video screen and communication processor allow the operator to visualize the process.

This installation is installed in a Clean Room.

Components

- 4 horizontally combined metering pumps Type H2 with manual delivery volume control, 4 plunger pump heads (3 double-acting)
- 5 horizontally combined metering pumps Type P with manual delivery volume control, 5 plunger pump heads (1 pump head heated)
- Variable-speed drive motor with frequency converter
- 1 online pH-analyzer
- 1 online viscosity analyzer
- Automatic valves

Simplified process diagram



Automation

- Fully automatic process control
- 5 Automatic product monitoring with control loop
- Automatic shut down if any ingredient runs out

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