



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.



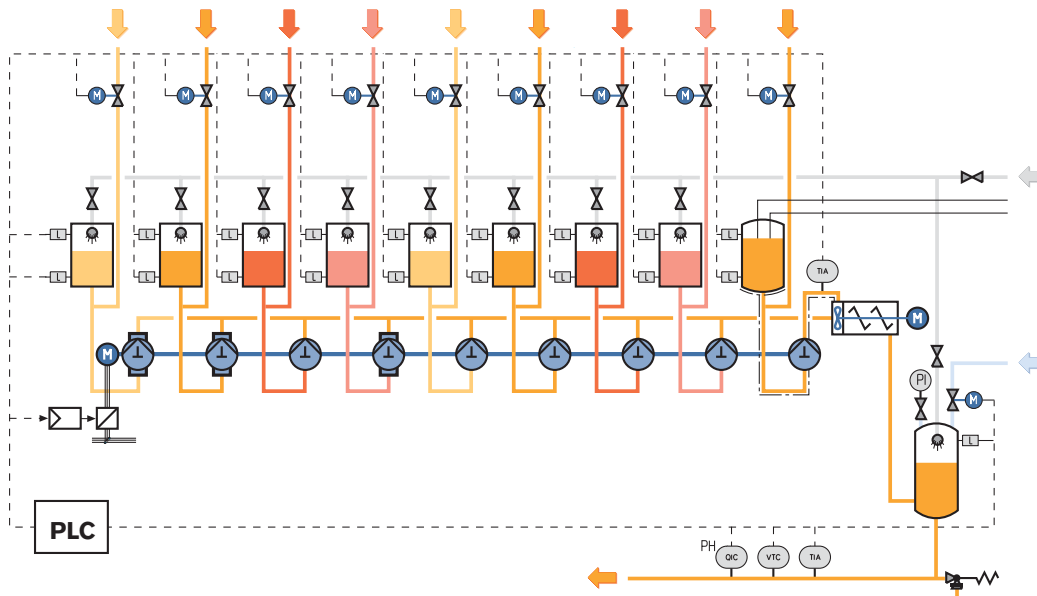
This metering and mixing installation can produce up to 3000 liters of liquid soap per hour, using 9 different raw materials.

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.

Simplified process diagram



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.

Automation

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

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Issued: 10/2009 BL-1623

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