

Accurate Rosemount 5408 Batch and Foam Measurements Meet Requirements to Ensure End Product Quality

Results

- Accurate foam measurement
- Less product wasted
- No more local attendance for foam and level inspections



Application

Detection of foam necessary for the saponification process in the production of bar soap

Customer

World's largest producer of personal care products

Challenge

The customer had a capacitive level switch to monitor the soap making application, which, however, performed poorly. In addition, the probe coating part of the level switch released fragments into the raw material during the production process. The customer tried using a competitor's level radar, but it proved unable to provide satisfactory measurements. Being able to accurately measure the foam produced in the saponification process is essential to determining the quality of the soap produced. Poor measurement data negatively impacted the business because the quality of the final product didn't meet specifications. The amount of foam generated by the process was not sufficient – the reaction efficiency is measured in percentage of foam. There was also an element of safety involved. Poor performance of other instruments in the process meant the process required an operator to be there at all times to make visual observations of the process.

Solution

The Emerson Rosemount™ 5408 non-contacting radar level transmitter was able to meet customer expectations as the detection parameters could be adjusted to accurately identify the percentage of foam in the tank. Greater reliability in the production process meant elimination of disposal losses due to incomplete reactions, as well as eliminate the need for an operator to visually inspect the process. The successful installation and operation of the Rosemount 5408 in the Brazilian facility has led the customer to spread the use of the 5408 across all their plants requiring level measurement worldwide.

Ensure your end product quality in foamy applications, like soap making, with a level instrument that works in the most demanding working conditions.

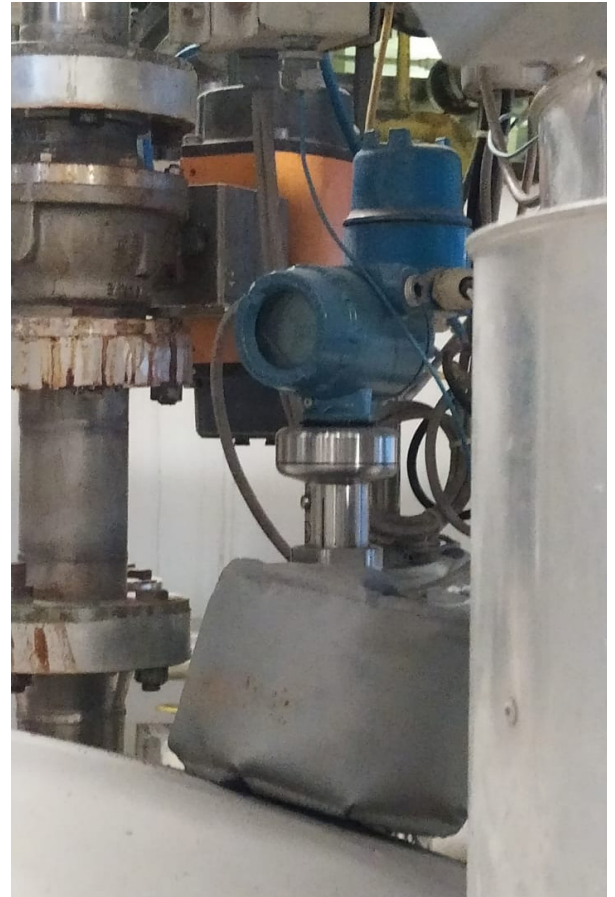


Rosemount 5408 Level Transmitter – Non Contacting Radar

Resources

Emerson Automation Solutions Industries
[Emerson.com/Chemical](https://www.emerson.com/Chemical)

Rosemount 5408 Level Transmitter
[Emerson.com/Rosemount5408](https://www.emerson.com/Rosemount5408)



Rosemount 5408 installed in application

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