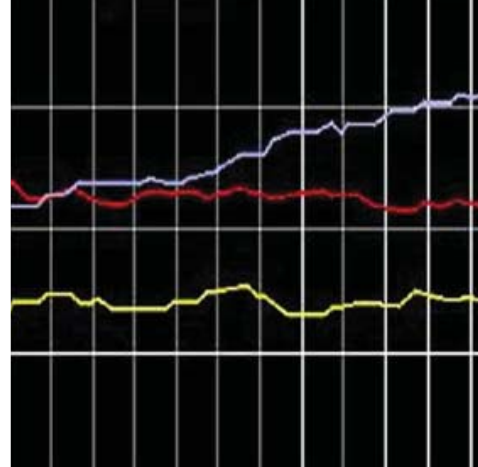


FLOW MONITORING SYSTEMS

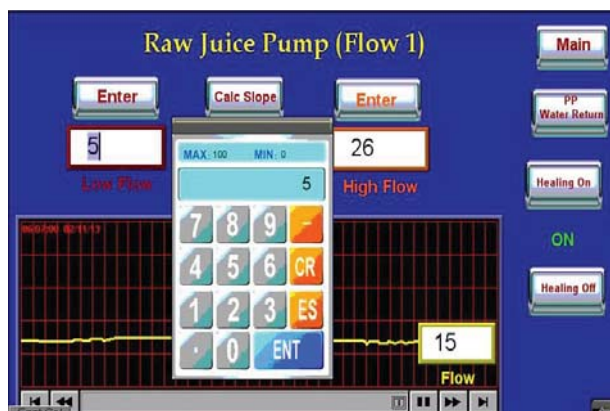


FLOW VERIFICATION SYSTEMS FOR FOOD PROCESSING

The ability to effectively control ultra-low flow antifoam feed systems is necessary and valuable in food processing. The Flow Monitoring System (FMS) offered by Hydrite Chemical Co. is an innovative proprietary technology to measure and control chemical feed rates as low as 1 mL/min. Over-dosing and under-dosing are quickly detected, giving operators and management real-time data and alerts so corrective action can be taken. By knowing the precise quantity of chemicals being placed into the process, users can realize substantial reductions in chemical use and costs, while minimizing the likelihood of disruptive foam issues.

BENEFITS

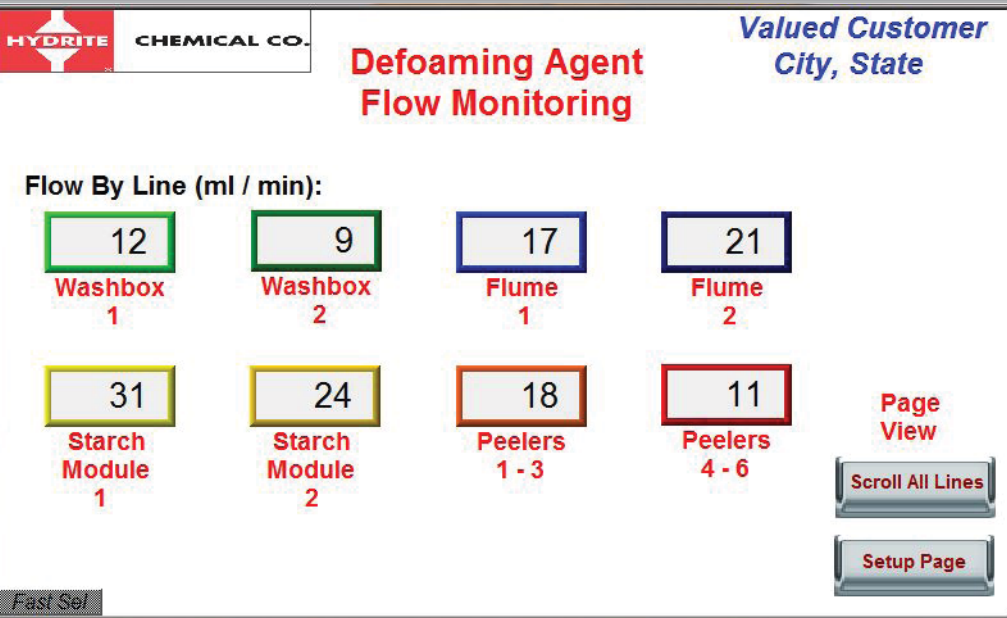
- **Cost control**
Reduce chemical use and decrease shipping costs to minimize costs
- **Inventory management**
Prevent run-out situations and minimize or eliminate expedite charges
- **Process troubleshooting**
Correlate increased defoamer feed rates with process issues
- **Continuous improvement**
Track and trend chemical feed rates to justify continuous improvement projects
- **Asset protection**
Minimize foam formation, prevent product loss and equipment damage
- **Continuous monitoring**
Monitor and control the system via e-mail and text message alerts when flow rates fall outside of preset parameters



Intuitive Operation

A screen shot showing the operator resetting the low flow alert using the touch screen operator interface. Access via a web-enabled device allows this degree of control from anywhere.

Providing Creative Solutions



Setpoints and Alarms

Low or high-flow level alarms can be set with time limits. The alarm can be configured to be viewed and acknowledged locally, via text, and/or through email. The system may also be configured to activate local audio and visual alarms through existing hardwire outputs.

FEATURES

- Industrial quality, weatherproof cabinet
- Internet accessible via LAN port
- Stainless steel sensor bodies fully compatible with standard pump manifolds
- Color LCD touch screen Operator Interface Terminals (OIT)
- Fully customizable OIT graphics for intuitive operation and ease of training
- Compatible with most industrial hardware standards including RS485, RS232 and Ethernet - custom input and output connections available
- Compatible with most common industrial standards including MODBUS and DF1 - custom protocol available
- Power requirement is 110 VAC at <15 Amps
- Standard chemical flow range is 0-40 ml per minute (+/- 1 ml) - extended flow ranges available



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Hydrite Chemical Co. by:



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