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# GILSON ENGINEERING

## FOOD & BEVERAGE INDUSTRY GUIDE

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[www.gilsoneng.com](http://www.gilsoneng.com)



## Instrumentation and Control Products for the Food and Beverage Industry

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f (412) 366-1728

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Columbus, OH 43235  
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f (614) 889-6038

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f (440) 543-1230

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f (412) 348-3042

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Shelbyville, KY 40065  
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f 412-348-3042

### **ORLANDO, FL**

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f (407) 444-0335

### **TAMPA, FL**

6329 Knob Tree Drive  
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p 800-860-4499  
f (407) 444-0335

### **MIAMI, FL**

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Bay Harbor Is, FL 33154  
p 800-860-4499  
f (407) 444-0335

### **JACKSONVILLE, FL**

391 Ahern Street  
Atlantic Beach, FL 32233  
p 800-860-4499  
f (407) 444-0335

# Citrus



**Fruit Receiving Bin Level: Siemens LR560 and CLS200**  
**Fruit Processing Temperature (Sanitary): Moore Industries RTI**  
**Pressed Liquor Level and pH: Signet 4630, Siemens HydroRanger**  
**Oil Separator Outlet Flow: Siemens FS230, Signet 2536**  
**Sterilizer Flow: Siemens 5100W and 1100**  
**Blend Tank and Fog Filler Level: Siemens LR250**  
**Aseptic Storage Level: Siemens LR250 HEA**  
**Aseptic Storage Nitrogen Blanket: Jordan Valve Mk 78/708/60**  
**NH3 Refrigeration Detection: Sensidyne ASI and SensAlarm Plus**  
**Feed Mill pH: Signet 2750/2751/2724/2726**  
**Molasses Level and Flow: Siemens 5100W/1100/Siemens HydroRanger**  
**Concentrate Temperature and Level: Siemens LR250 HEA, Mii RTI**  
**CIP Flow and Tank Level: Siemens 5100W and HydroRanger, Signet 2552**  
**Concentrate, Evaporator and Feed Flows: Siemens Mag5100W/1100**  
**Pasteurization Skid: Siemens DS3/5100W/1100/LR250, Mii RTI, Signet 2552**  
**Centrifuge Overpressure: Leser 526/437**  
**Glycol Flow and Control Valve: Jordan Mk 75/708, Siemens FS230**  
**Compressed Air Flow and Humidity: Siemens DS3/FUG, Mii HTZ**  
**Cogen Steam Flow and Valve Positioners: Siemens PS2, Comate VFM 60**  
**Wastewater Plant Flows: Siemens 5100W, Signet 2536/2551**  
**Effluent pH: Signet 2750/2751/2724/2726**  
**Chart Recorders: Brainchild GR Series**  
**Linking Remote Areas to Plants: Banner DX80/90**  
**Pump Alternating Control: Precision Digital 765/6000**  
**De-Aerator Tank Level: Siemens DS3/LG250, QTS Magnetrac**  
**Vacuum Breaker Valves: Jordan Mk75/708**  
**Safety/Alarm Trips: Moore Industries SPA/STA**  
**Rotation (Frequency) Monitors: AI-Tek 2012 Sensor Catalog, Mii FDY**

# Sugar



**Evaporator and Condensate Tanks: [Siemens LG 250](#)**

**Condensate Water for Boilers: [Siemens FS230](#)**

**Cane Juice Flows to Clarifiers: [Siemens 5100W/1100](#), [Signet 2552](#)**

**Calcium Oxide Flow (Lime or Milk): [Siemens 5100W/1100](#), [Signet 2552](#)**

**Sugar Carbonation pH and ORP: [Signet 2750/2751/2724/2726](#)**

**Raw Product Level: [Siemens LR560](#)**

**Steam Flows and Control Valves: [Siemens DS3/Comate VFM 60](#), [Jordan Mk75](#)**

**Molasses, Confectionary and Liquid Sugar Density: [Thermo DPRO Ultra](#), [Rhosonics 9690](#) and [SDM](#)**

**Slicer Pressure and Flow: [Siemens DS3/5100W](#), [Signet 2552](#)**

**Steam Valve Positioners: [Siemens PS2](#)**

**Cane/Beet Belt Scales and Solids Flowmeters: [Siemens MSI/WL200/WF300](#)**

**Mash Level and Flow: [Siemens 5100W/1100](#), [Signet 2552](#)**

**Bagasse Level and Belt Scales: [Siemens LR560/MSI/WL200](#)**

**Cogen Plant Level, Temp, Press and Flow: [Siemens](#)**

**[DS3/HydroRanger/LR250/5100W](#), [Moore Industries RTI](#), [QTS Product Summary](#)**

**Relief valves – [Leser At A Glance](#)**

**Vacuum Pan Level – [Siemens DS3/LR250](#)**

**Boiling Temperature – [Moore Industries RTI](#)**

**Wireless Communications: [Banner DX Series](#)**

# Brewery



**Lauter Tun Level and Temperature:** [Siemens DS3/LR250 HEA](#), [Mii RTI](#)  
**Mash Kettle Level and Pressure:** [Siemens DS3/LR250 HEA](#)  
**Yeast Pitching Flow:** [Siemens Mag1100/FC430](#)  
**CO2 and NH3 Detection:** [Sensidyne ASI](#), [MSA Portables A5X/GX2](#)  
**CO2 Valve Positioners:** [Siemens PS2](#)  
**Grain/Malt Silo Level:** [Siemens LR560](#)  
**Various Hopper Point Levels:** [Siemens CLS/LVL200](#), [Delta M Prod Broch](#)  
**Wort Kettle Temperature and Flow:** [Siemens 5100W/1100](#), [Moore RTI](#)  
**Sanitary Control Valves:** [Jordan Mk 978](#)  
**Steam Valves:** [Leser 526/437](#), [Jordan Mk75/60/95/96](#)  
**Sanitary Relief Valves:** [Leser Clean Service](#)  
**Filtration Flow Pressure Temperature:** [Siemens 5100W/1100/DS3](#), [Mii RTI](#)  
**Bright Beer Tanks Level:** [Siemens LR250 HEA](#)  
**Whirlpool Flow and Pressure:** [Siemens 5100W/1100/DS3](#)  
**Filling Flow:** [Siemens 5100W/1100/FC430](#)  
**Yeast Cellar Pressure and Temperature:** [Siemens DS3](#), [Moore RTI](#)  
**PID Control and Alarm Trips:** [Moore 535/SPA/STA](#)  
**Mash and Wort Density:** [Thermo DPRO Ultra](#), [Rhosonics 9690/SDM](#)  
**Foam Trap Point Level:** [Siemens CLS/LVL](#), [Delta M Product Brochure](#)  
**Wireless and Valve Automation:** [Banner DX Series](#), [Signet EA Series](#)

# Dairy



Sucrose Level: [Siemens HydroRanger](#), [Quest-Tec Product Brochure](#)  
Fructose Level: [Siemens HydroRanger](#), [Quest-Tec Product Brochure](#)  
Pasteurization Flow and Temperature: [Siemens FC430/1100](#), [Moore RTI](#)  
Resin Silo: [Siemens LR560](#)  
Skim Press Flow, Temperature and Control Valves: [Siemens DS3/1100/FC430](#), [Jordan Mk75/708/978](#)  
Glycol Flow and Control Valves: [Siemens FS230](#), [Signet 2536](#), [Jordan Mk75](#)  
Cream Press Water Flows and Control Valves: [Siemens 5100W/1100/FC430](#), [Signet 2536/2552](#), [Jordan Mk75/708/978](#)  
Separation Flow, Temp, Pressure: [Siemens 5100W/1100/DS3](#), [Moore RTI](#)  
NH3 Detection: [Sensidyne ASI](#), [MSA Portables A5X/GX2](#)  
Homogenization Flow, Temperature: [Siemens 5100W/1100](#), [Moore RTI](#)  
Final Storage Vessels: [Siemens HydroRanger/LR250](#)  
Blending Flow: [Siemens 5100W/1100/FC430](#)  
PID Control for Homogenization and Pasteurization: [Moore 535](#)  
Valve Positioners: [Siemens PS2](#)  
Flow Switches: [Delta M Product Brochure](#)  
Pump Control: [Precision Digital 765/6000](#)  
Wireless Signals and Video: [Banner DX Series](#)

# **Bakery**



**Cream Yeast Flow and Control Valves:** [Siemens FC430](#), [Jordan Mk978](#)

**Datum Flow and Control Valves:** [Siemens FC430](#), [Jordan Mk978](#)

**Flour Solids Flowmeter:** Siemens WF300

**Flour and Sugar Silos:** [Siemens LR560](#)

**Glycerin Tote Level:** [Siemens HydroRanger/LR250 FEA](#)

**Glycerin Flow:** [Siemens 5100W/1100](#), [Signet 2552](#)

**Flour and Sugar Silo Point Level:** [Siemens CLS200/LVL200/LVS200](#)

**Water Flows:** [Siemens 5100W](#), [Signet 2536/2551](#)

**Oven Temperature:** [Moore Industries RTI](#), [SSI Catalog](#)

**Flour and Sugar Belt Scales:** Siemens MSI/WL200

**Dry Mixer Flow:** Siemens WF300

**Wet Mixer Flow:** [Siemens 5100W/1100](#), [Signet 2552](#), [MacNaught MX](#)

**NH3 Detection:** [Sensidyne ASI](#), [MSA Portables A5X/GX2](#)

**Temperature:** Moore Industries, [SSI Catalog](#)

**Relief Valves:** Leser At A Glance

**Freezer Temperature:** [Moore Industries RTI](#)

**Steam Control Valves and Positioners:** Jordan [Mk75/60/50](#), [Siemens PS2](#)

**Wireless Monitors:** [Banner DX Series](#)