
GILSON ENGINEERING

FOOD & BEVERAGE INDUSTRY GUIDE

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Instrumentation and Control Products for the Food and Beverage Industry

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MIAMI, FL

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f (407)444-0335

JACKSONVILLE, FL

12369 Burgess Hill Dr
Jacksonville, FL, 32246
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Citrus



Fruit Receiving Bin Level: [Siemens LR100, Siemens LR560 and CLS200](#)
Fruit Processing Temperature: [Moore Industries RTI and Worm, Wika TG53](#)
Pressed Liquor Level & pH: [ECD T80/S80, Signet 2750/2724, HydroRanger](#)
Oil Separator Outlet Flow: [Siemens FS230, Signet 2536 and Signet 2552](#)
Sterilizer Flow: [Siemens 5100W and 1100, Signet 2552](#)
Blend Tank and Fog Filler Level: [Siemens LR250](#)
Aseptic Storage Level: [Siemens LR100, Siemens LR250 HEA](#)
Aseptic Storage Nitrogen Blanket: [Jordan Valve Mk 78/708/60](#)
NH3 Refrigeration/Various Gas Detection: [MSA Chillgard 5000, MSA X5000](#)
Feed Mill pH: [Signet 2750/2751/2724/2726, ECD T80/S80](#)
Molasses Level and Flow: [Siemens 5100W/1100/Siemens HydroRanger](#)
Concentrate Temperature and Level: [Siemens LR100 & LR250 HEA, Mii RTI](#)
CIP Flow and Tank Level: [Siemens 5100W and HydroRanger, Signet 2552](#)
Concentrate, Evaporator and Feed Flows: [Siemens Mag5100W/1100](#)
Pasteurization: [Siemens P320/1100/LR250, Wika Pressure Gauges and PSD](#)
Glycol Flow and Control Valve: [Jordan Mk 75/708, Siemens FS230](#)
Compressed Air Flow/Humidity: [FCI ST51/80, Siemens P320/FS230, Mii HTZ](#)
Cogen Steam Flow/Valve Positioners: [Siemens PS2/PS100, Comate VFM60](#)
Wastewater Plant Flows: [Siemens 5100W, Signet 2536/2551](#)
Effluent pH: [Signet 2750/2751/2724/2726, ECD T80/S80](#)
Chart Recorders: [Brainchild GR Series](#)
Linking Remote Areas to Plants: [Banner DX80/90 and Elpro 915U](#)
VFD's & Pump Alternating Control: [Precision Digital 765/6000, LSIS H100](#)
De-Aerator Tank Level: [Siemens P320/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](#)
Finished Juice Valves: [Steriflow Mk 978, Mk 96 and Mk 95](#)
Brix & Density: [Siemens FC430/FCS300, Ronan X96S, Rhosonics 9690/SDM](#)

Sugar



Evaporator and Condensate Tanks: [Siemens LG 250/LR100](#)
Condensate Water for Boilers: [Siemens FS230, Turbines Inc HA, Macnaught MX](#)
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, ECD T80/S80](#)
Raw Product Level: [Siemens LR100, Siemens LR560](#)
Steam Flows and Control Valves: [Siemens P320, Comate VFM 60, Jordan Mk75](#)
Molasses, Confectionary & Sugar Density: [Ronan X96S, Rhosonics 9690/SDM](#)
Molasses, Confectionary & Sugar Valves: [Steriflow Mk 978, Mk 96 & Mk 95](#)
Slicer Pressure and Flow: [Siemens P320/5100W, Signet 2552, Wika Press Gauges](#)
Steam Valve Positioners: [Siemens PS2/PS100](#)
Cane/Beet Belt Scales and Solids Flowmeters: [Siemens MSI & WF300 solids flow](#)
Mash Level and Flow: [Siemens LR100, Siemens 5100W/1100, Signet 2552](#)
Bagasse Level and Belt Scales: [Siemens LR560, Siemens MSI Belt scale](#)
Cogen Plant Level, Temp, Press and Flow: [Siemens P320, HydroRanger, LR250, 5100W, Moore Ind RTI, QTS Magnetrac, Wika Pressure Gauges and PSD](#)
Vacuum Pan Level: [Siemens LR100, Siemens P320/LR250](#)
Boiling Temperature: [Moore Industries RTI and Worm, Wika TG53](#)
Wireless Communications: [Banner DX80/90 and Elpro 915U](#)
VFD's & Pump Alternating Control: [Precision Digital 765/6000, LSIS H100](#)
Compressed Air Flow: [FCI ST51/ST80, Siemens P320/FS230](#)
NH3 Refrigeration/Various Gas Detection: [MSA Chillgard 5000, MSA X5000](#)

Brewery



Lauter Tun Level and Temperature: [Siemens P320/LR250 HEA](#), [Mii RTI](#)
Mash Kettle Level and Pressure: [Siemens P320/LR250 HEA](#), [Wika PSD](#)
Yeast Pitching Flow: [Siemens Mag1100/FC430](#)
CO2 and NH3 Detection: [MSA Chillgard 5000](#) & [X5000](#), [MSA A5X/GX2](#)
CO2 Valve Positioners: [Siemens PS2/PS100](#)
Grain/Malt Silo Level: [Siemens LR560/LR100](#)
Various Hopper Point Levels: [Siemens CLS/LVL200](#), [FCI FLT93](#)
Wort Kettle Temp & Flow: [Siemens 5100W/1100](#), [Moore RTI](#), [Wika TG53](#)
Steam & Sanitary Control Valves: [Jordan Mk 978](#), [Jordan Mk75/60/95/96](#)
Liquid Analytics: [ECD T80/S80](#), [Signet 2750/2724](#)
Filtration Flow Pressure Temperature: [Siemens 5100W/1100/P320](#), [Mii RTI](#)
Bright Beer Tanks Level: [Siemens LR250 HEA](#)
Whirlpool Flow and Pressure: [Siemens 5100W/1100/P320](#), [Wika Press Gauges](#)
Filling Flow: [Siemens 5100W/1100/FC430](#)
Yeast Cellar Pressure & Temperature: [Siemens P320](#), [Moore RTI and Worm](#)
PID Control and Alarm Trips: [Moore 535/SPA/STA](#)
Mash and Wort Density: [Ronan X96S](#), [Rhosonics 9690/SDM](#)
Foam Trap Point Level: [Siemens CLS/LVL](#), [FCI FLT93](#)
Plato or Brix Measurement: [Siemens FC430/FCS300](#)
Wireless and Valve Automation: [Banner DX Series](#), [Elpro 915U](#), [Signet EA](#)
VFD's & Pump Alternating Control: [Precision Digital 765/6000](#), [LSIS H100](#)
Compressed Air Flow: [FCI ST51/ST80](#), [Siemens P320/FS230](#)

Dairy



Sucrose & Fructose Level: [Siemens HydroRanger](#), [QTS Magnetrac](#)
Pasteurization Flow and Temperature: [Siemens FC430/1100](#), [Moore RTI](#)
Resin Silo: [Siemens LR560/LR100](#)
Cream Press & Skim Press Flow, Temperature & Control Valves: [Siemens 5100W/1100](#), [P320](#), [FC430](#), [Signet 2536/2552](#), [Jordan Mk75/708/978](#)
Glycol Flow and Control Valves: [Siemens FS230](#), [Signet 2536](#), [Jordan Mk75](#)
Separation Flow, Temp, Pressure: [Siemens 5100W/1100/P320](#), [Moore RTI and Worm](#), [Wika Press Gauges/TG53/PSD-4](#)
NH3 Detection: [MSA Chillgard 5000 & X5000](#), [MSAA5X/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/PS100](#)
Flow Switches: [FCI FLT93](#)
VFD's & Pump Alternating Control: [Precision Digital 765/6000](#), [LSIS H100](#)
Compressed Air Flow: [FCI ST51/ST80](#), [Siemens P320/FS230](#)
Density or Brix Measurement: [Siemens FC430/FCS300](#), [Ronan X96S](#), [Rhosonics 9690/SDM](#)
Liquid Analytics: [ECD T80/S80](#), [Signet 2750/2724](#)
Wireless and Valve Automation: [Banner DX Series](#), [Elpro 915U](#), [Signet EA](#)

Bakery



Cream Yeast Flow and Control Valves: [Siemens FC430](#), [Jordan Mk978](#)
Datum Flow and Control Valves: [Siemens FC430](#), [Jordan Mk978](#)
Flour & Dry Mixer Solids Flowmeter: [Siemens WF300 solids flow](#)
Flour and Sugar Silos: [Siemens LR560/LR100](#)
Glycerin Tote Level: [Siemens HydroRanger/LR250 FEA](#)
Glycerin Flow: [Siemens 5100W/1100](#), [Signet 2552](#)
Flour and Sugar Silo Point Level: [Siemens CLS/LVL](#), [FCI FLT93](#)
Water Flows: [Siemens 5100W](#), [Signet 2536/2551](#)
Oven Temperature: [Moore Industries RTI and Worm](#), [Wika TG53](#)
Flour and Sugar Belt Scales: [Siemens MSI](#)
Wet Mixer Flow: [Siemens 5100W/1100](#), [Signet 2552](#), [MacNaught MX](#)
NH3 Detection: [MSA Chillgard 5000 & X5000](#), [MSAA5X/GX2](#)
Freezer Temperature: [Moore Industries RTI](#)
Steam Control Valves/Positioners: [Jordan Mk75/60/50](#), [Siemens PS2/PS100](#)
Liquid Analytics: [ECD T80/S80](#), [Signet 2750/2724](#)
Wireless and Valve Automation: [Banner DX Series](#), [Elpro 915U](#), [Signet EA](#)
VFD's & Pump Alternating Control: [Precision Digital 765/6000](#), [LSIS H100](#)
Compressed Air Flow: [FCI ST51/ST80](#), [Siemens P320/FS230](#)