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# GILSON ENGINEERING MIDSTREAM INDUSTRY GUIDE

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



## Instrumentation and Control Products for Gas Production & Transmission Companies

### **PITTSBURGH, PA**

535 Rochester Road  
Pittsburgh, PA 15237  
p (412) 369-0100  
f (412) 366-1728

### **COLUMBUS, OH**

2697 Sawbury Blvd  
Columbus, OH 43235  
p (614) 889-2150  
f (614) 889-6038

### **CLEVELAND, OH**

4660 Main Hill Drive  
Seven Hills, OH 44131  
p (440) 543-0300  
f (440) 543-1230

### **CINCINNATI, OH**

10984 Main Street #1  
Cincinnati, OH 45241  
p 800-860-4499  
f (412) 348-3042

### **CHARLESTON, WV**

3501 MacCorkle Ave SE #143  
Charleston, WV 25302  
p (304) 342-0012  
f (304) 342-0085

### **TOLEDO, OH**

26953 Mingo Drive  
Perrysburg, OH 43551  
p (419) 874-1178  
f (419) 874-5333

### **LOUISVILLE, KY**

2149 Winston Avenue  
Louisville, KY 40205  
p 800-860-4499  
f 412-348-3042

### **Michigan.**

535 Rochester Road  
Pittsburgh, PA 15237  
p 248-417-1102

### **ORLANDO, FL**

144 Harston Ct  
Heathrow, FL 32746  
p (407) 444-0334  
f (407) 444-0335

### **TAMPA, FL**

6329 Knob Tree Drive  
Lithia, FL 33547  
p 800-860-4499  
f (407)444-0335

### **MIAMI, FL**

1155 97<sup>th</sup> St #201  
Bay Harbor Is, FL 33154  
p 800-860-4499  
f (407)444-0335

### **JACKSONVILLE, FL**

12369 Burgess Hill Drive  
Jacksonville, FL 32246  
p 800-860-4499  
f (407)444-0335

# Compressor Station



**Compressor Pocket Valve**  
**Feedback: [Turck Proximity](#)**  
**Switches**

**Gas, Fire and Flame Detection:**  
**[MSA X5000 Gas Detector](#), [Open](#)**  
**[Path \(OPIR\) Gas Detector](#),**  
**[Flamegard MSIR Flame](#)**  
**[Detector](#), [General Monitors](#)**

**[S5000](#), [IR5500](#), [FL4000H Flame Detector](#)**

**Lube Oil/Knock Out Pot Levels: [Siemens LR100 Airborn Radar](#), [Siemens](#)**  
**[LG250 Guided Wave Radar](#), [LR250 Flanged Airborn Radar](#) , [FCI FLT93 Level](#)**  
**[Switch](#),[Quest-Tec Magnetrac Level Bridle](#)**

**Lube Oil Temperature: [Moore RTI Temperature Assemblies](#), [Siemens TS500](#)**

**Lube Oil Pressure: [Siemens P320](#), [Neo-Dyn Switches 100P](#)**

**Lube Oil Flow: [FCI FLT93](#), [UFM SN](#), [MN Vane Flow Meters/Switches](#)**

**Glycol Flow Metering: Veris [Verabar](#), [Accelabar](#), [Malema KPM](#)**

**Slug Catcher Tank Level: [Siemens LG250](#), [LR250](#), [Electrolab 2100 Float](#),**  
**[2100 RU Flex Float Level](#), [OleumTech Float Probes](#), [Ronan Continuous](#) and**  
**[Point Level](#) Non-Contacting Nuclear Instruments**

**Magnetic Bridle Level Indicators: [Quest-Tec Magnetrac](#)**

**Gas Pressures Inlet and Outlet: [Siemens P320](#)**

**Wireless Monitors: [OleumTech](#), [Elpro 905U](#), [915](#)**

**Differential Pressure Flows: Veris [Verabar](#), [Accelabar](#), [Siemens P320](#)**

**Ultrasonic Clamp on Check Meters: [Siemens FST230 Ultrasonic](#)**

**Fuel Gas Flow: Veris [Verabar](#), [Accelabar](#), [Siemens P320](#)**

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

**Engine Panel:**

**Pressure Switches: [ITT Neo-Dyn](#)**

**Pressure Gauges: [Wika Pressure Gauges](#)**

**Temperature Gauges: [Wika Temperature Gauges](#)**

**Temperature Transmitters: [Moore Industries TDZ3](#)**

**Thermocouples & RTD's: [SSI](#), [Moore Industries RTI](#), Wika [RTD](#), [T/C](#)**

**Indicating Meters: Precision Digital [PD6000](#), [PD765](#)**

**Remote I/O & IS Barriers: [Turck](#)**

Surge Suppressors: [Emerson/EDCO](#)  
Safety/Alarm Trips: Moore Industries [SPA2](#), [STA](#)  
Rotation (Frequency) Monitors: [AI-Tek \(Airpax\)](#), [Moore Industries SFY](#)  
Pressure Gauges: [Wika](#), [Turck Quick Disconnect Process Wiring](#)

## Storage Vessels



Tank Level (fuel, slop oil, drip fluids, methanol, glycol, etc):

Airborn Radar: [Siemens LR100](#), [Siemens LR250 FEA](#)

Guided Wave Radar (Interface): [Siemens LG250](#)

RF Capacitance: [Siemens CLS 200](#)

Floats Level Probes: [Quest-Tec](#)

[Magnetrac](#), [Electrolab 2100](#) [OleumTech H Series](#)

Wireless Monitors: [OleumTech](#), [Elpro 905U](#)

Pressure Gauges: [Wika Pressure Gauges](#)

Temperature Gauges: [Wika Temperature Gauges](#)

High Level or Spill Protection: [Siemens LVL200](#), [CLS200](#), [FCI FLT 93](#), [Electrolab 2100 with high level shutdown](#), [OleumTech](#)

Gas, Fire and Flame Detection: [MSA X5000 Gas Detector](#), [Open Path \(OPIR\) Gas Detector](#), [Flamegard MSIR Flame Detector](#), [General Monitors S5000](#), [IR5500](#), [FL4000H Flame Detector](#)

Remote I/O: [Elpro 905U Wireless](#), [OleumTech Wireless](#), [Moore Industries NCS Remote I/O](#)

## Processing Plants

Methanol Injection Valves: [Jordan Regulating Valve](#) , [Jordan high pressure control valve](#)

Methanol Injection Flowmeters: [Siemens FC430 Coriolis](#), [Veris Verabar](#), [Accelabar](#)

Mercaptan Level: [Siemens LG250](#), [LR250 FEA](#), [Quest-Tec Magnetrac Bridles](#)

**Liquids Storage Level:** [Siemens LG250](#), [LR250 FEA](#), [Quest-Tec Magnetrac](#)  
[Bridles](#)

**Wireless Monitoring:** [OleumTech](#), [Elpro 905U](#)

**Signal Conditioning:** [Moore Industries ECT](#), [SIX](#), [HIM](#), [HIX](#)

**Stand Alone Local Alarming:** [Moore Industries SPA2](#), [STA](#)

**Classified Area Cabling:** [Turck Cordsets](#)



**SIL Rated Instruments:** [Moore Industries STA](#), [STZ](#), [SSX](#), [SST](#), [SRM](#), [Siemens P320](#), [LG250](#), [MSA X5000 Flamegard5 MSIR](#), [GM S5000](#), [GM FL4000H](#), [FCI FLT93](#)

**Pressure:** [Siemens P320](#), [ITT Neo-Dyn 100P Pressure Switches](#)

**Pressure Gauges:** [Wika Pressure Gauges](#)

**Temperature Gauges:** [Wika Temperature Gauges](#)

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

**Flare Gas Metering:** [FCI Thermal Mass ST100](#), [Siemens FST230 Ultrasonic](#)

**Flow:** [FCI Thermal Mass ST100](#), [Siemens FC430 Coriolis](#) and [Siemens FST230 Ultrasonic](#), [Veris Verabar](#), [Accelabar](#)

**Gas Injection & Extraction Flow:** [Siemens Siemens FST230 Ultrasonic](#), [FC430 Coriolis](#)

## **Remote Monitoring**



**Wireless Telemetry:** [Elpro](#), [Banner](#), [OleumTech](#)

**Remote Power (Solar):** [Ameresco](#), [Mr Solar](#)

**Remote I/O:** [Elpro 905U Wireless](#), [OleumTech Wireless](#), [Moore Industries NCS Remote I/O](#)

# **Metering Stations**

**Catalytic Heater Gas Regulators:** Jordan Valve [mk60](#), [mk67](#)



**Pressure Transmitters** [Siemens P320](#),  
[Neo-Dyn 100P](#)

**Pressure Gauges:** [Wika Pressure Gauges](#)

**Temperature Gauges:** [Wika Temperature Gauges](#)

**Thermocouples & RTD's:** [SSI](#), [Moore Industries RTI](#), Wika [RTD](#), [T/C](#)

**Wireless Monitors:** [OleumTech](#), [Elrpo 905U](#)

**Temperature Transmitters:** Moore Industries [TDZ3](#), [Siemens TH300](#)

**Flow Check Meter:** [Siemens FST230 Ultrasonic](#), [FCI ST100](#)

**Flow Metering:** Veris DP [Verabar](#), [Accelabar](#), [FCI ST100](#), [Siemens FST230 Ultrasonic](#)

# Pipeline



**Valve Positioners:**

**Siemens PS2**

**I/P Converters: Moore**

**Industries IPX2** (with

**Natural Gas Supply**

**Pressure Certification)**

**Cathodic Protection I/O:**

**Elpro Wireless 945, Moore**

**Industries Cathodic**

**Protection Monitoring**

**System**

**Solar Panels: Ameresco,**

**Mr Solar**

**Temperature Transmitters: SSI T/C's RTD's,**

**Siemens TH300/TS500, Moore Industries TDZ3, RTI1/2, Wika RTD, T/C**

**Pressure – Siemens P320, Neo-Dyn 100P Switch**

**Pressure Gauges: Wika Pressure Gauges**

**Temperature Gauges: Wika Temperature Gauges**

**Thermocouples & RTD's: SSI, Moore Industries RTI, Wika RTD, T/C**

**Wireless Monitors: OleumTech, Elpro 905U, 945**

**Flow Monitors – FCI ST100 meter, FLT93 switch,**

**Siemens FST230 Ultrasonic, Veris Verabar, Accelabar DP**