

Engineering & Equipment Co.

QUALITY, SERVICE, AND EXPERTISE SINCE 1958

We engineer your success!



INSTRUMENTATION, HEAT TRACE, AND CONTROL VALVES

SIEMENS

Includes Milltronics, Controlotron, Moore, & Danfoss

- Magnetic, coriolis, clamp-on ultrasonic, & vortex flow meters
- · Ultrasonic, radar, capacitance, & guided wave level
- · Transmitters
- · Rotating paddle, tuning fork & capacitance level switches
- Belt scales, dry solids flowmeters, weighfeeders, & weigh scales
- · Gauge, absolute, & differential pressure transmitters
- · Valve positioners & damper positioners
- · Temperature sensors & transmitters
- · Motion sensing & speed switch process protection
- · Continuous gas analyzers & tunable diode lasers (TDL)
- · Gas chromatographs

METTLER TOLEDO INGOLD and THORNTON

- · Analytical instrumentation for pure water/ pharma applications & industrial process applications
- · Solutions for pH, ORP, conductivity/ resistivity, dissolved oxygen, ozone, carbon dioxide, turbidity, optical density & flow
- · Analyzers for TOC & real-time microbial detection, chloride/ sulfate, sodium & silica
- · Tunable diode laser (TDL) gas analyzers & amperometric gas-phase oxygen sensors



- · Electric & steam heat tracing cables, systems, & accessories
- · Analyzer tubing bundles
- · Instrument trace heating and system design
- · Caloritech: Immersion & circulation heaters
- · Cata-Dyne: Catalytic heaters for hazardous areas
- · Norseman: hazardous area electric heat
- · Ruffneck: Electric heat & steam for hazardous areas



Eurotherm.

by Schneider Electric

Signal conditioners, temperature transmitters, digital displays



Moisture, oxygen, and hydrogen sulfide analyzers (H2S) for natural gas pipelines and many other industries



Liquid and gas analyzers for H2S, CO2, total sulfur, hydrocarbons, & oil\





Pressure regulators and I/Ps



Hi-Flow valves, transmitters, gauges, & switches



Globe body & segmented ball control valves, E body & D body parts, controllers & positioners



Automated bioreactor sampling systems



Thermal mass flowmeters, flow & level switches, vortab flow conditioners



Calibration gas, cylinders, precision fixtures, and regulators



Advanced thermal detection technology to scan internal body temperatures





Turbine, oval gear, impeller flow meters, magnetic flow meters, BTU calculators and displays



Fiber optic sensing for strain and leak detection, sonar sludge level monitoring, blocked chute protection, and wireless communication



Explosion proof & general purpose electric fail-safe valve actuation



Heated enclosures, shelters, & safety showers



Flow & energy computers, process indicators & sensors, batch controllers, counters, timers, totalizers, HMI's, & flat panel monitors



Electromagnetic flowmeters, propeller meters, and V-cone flowmeters



Conventional & pilot operated safety relief valves for gas service, featuring "auto seat technology"



High performance & resilient Seated butterfly valves; ball valves



· Intrinsic safety isolators & barriers

- Signal conditioners & surge suppressors
- Ruggedized HMI's for class 1 div 1 environments



Pressure gauges and transmitters, instrumentation manifolds, needle valves, & block and bleed isolators



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INSTRUMENTATION, HEAT TRACE, & CONTROL VALVES CONTINUED



Remote alarm monitoring & lift station control



Level controls, submersible level detectors & lift Station retrofits



Flow, level, pressure & temperature displays, indicators, totalizers, transmitter, & batch controllers



RTD's, thermocouples, wells, & temp.



Gas chlorinators, sulphonators, ammoniators, & gas cylinder scales



Industrial weighing solutions for solids and liquids including checkweighers, bench scales, load cells, & truck scales



Low level radiation systems for level, density, & flow



Inline process refractometers concentration measurement



Portable clamp on ultrasonic transit time flow meters









Liquid leak detection systems, wired & wireless web-based monitoring solutions, & raised floor airflow management



Pressure & temperature switches, transmitters, sensors, and controls for safety, alarm and shutdown; wireless gas detection



Vane style, vortex shedding, rotameters, and laminar flow element flowmeters





Minneapolis, MN Phone: 952.938.6504 Fax: 952.935.7772

Additional Sales Offices

Bismarck, ND 800.776.6184

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Hibbing, MN 218.262.3421

Ishpeming, MI 906.485.6361

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PROCESS EQUIPMENT, PLC'S, & MOTOR CONTROL CENTERS







Scrubbers and cyclones



Air release check, butterfly, plug, & gate valves



Tower packing, trays, & mist eliminators



Fans, blowers, replacement fan wheels, & industrial fan services



Belt conveyor rollers/idlers, motorized pulleys, & fabricated pulleys

SIEMENS

PLC's, VFD's, motor control centers, & electrical equipment



Warman, Ash, Galigher pumps including horizontal and vertical handling pumps, slurry pumps, Hazelton vertical & submersible pumps

