



CHICAGO OIL & GAS LINE CARD

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MEASUREMENT, INSTRUMENTATION & CONTROL



Analytical: pH, conductivity, turbidity, ORP, DO, silica, sodium hydrazine, combustion O₂/CO
Controllers: Single, multi-loop, 1/16, 1/8, 1/4 Din
Control Systems: Compact DCS, scalable from 100 to 10,000 I/O points
Damper Drives: Electric, pneumatic, linkages
Device Management Tools: HART Hand-held communicators, multifunction calibrators, software
Diaphragm Seals: Fully welded, Industrial or sanitary
Flowmeters: Mass, magnetic vortex, swirl, wedge, variable area
Positioners: Electropneumatic, pneumatic, digital
Recorders: Circular, strip videographic
Transducers: I/P, P/I, Field, DIN rail, rack mount
Transmitters: Pressure, differential, Level, Flow, Temperature, HART, Fieldbus



Pressure: Gauges, Diaphragm Seals, Transducers, Switches, Calibrators
Temperature: Thermometers, Thermowells, Switches



Strainers & Filters: Pipeline strainers, Filters, Orifice Plates, Spectacle Blinds and Fabricated Butt Weld Fittings



Pneumatic Controls: I/Ps, Regulators, Volume Boosters



Flow Products: Indicators, Switches, Transmitters



Flow Products: FlowPak Flow Meters, Venturi Tubes, Flow Tubes, Orifice Meter Runs, Orifice Plates and Flanges, Flow Nozzles, Condensate Chambers, AGA Meter Skids



Level & Flow Transmitters: Through-Air & Guided Wave Radar, Ultrasonic, RF Capacitance, Thermal Dispersion, MTL
Level & Flow Switches: Capacitance, Ultrasonic, Float, MTL, Thermal Dispersion, Displacer



Tanks & Accessories: Plastic Tanks, Potable Water, Chemical, Containment and Below Ground Tanks and Accessories



Digital Panel Meters: Line or Loop Powered Displays, Annunciators



Temperature Sensors: Thermocouples, RTD's, Thermowells, Sensor Wire



Flow Elements: Orifice Plates & Flanges, Venturi's, Nozzles, Meter Tubes



Instrumentational Controls: Pressure Switches in Pneumatic, Differential, Hydraulic and Electrical, Level Switches in Pneumatic and Electric with External Float Cages



Turbine Meters: Industrial, Cryogenic, Flow Rate/Total Indicators



Electric Heating: Heating Elements, Controllers, Power Controls

VALVES, ACTUATORS & ACCESSORIES



Butterfly Valves: Resilient and High-Performance Butterfly Valves and Actuation



Gate, Globe, Ball, and Check Valves: 1/2" - 30" 150# - 250# C-Ball, Gate, Globe and Check Valves from -320° to 1472° Fv.

Services: Cryogenic, Powder, High Velocity, Mixed Product, Fast Cycling, ESD, Abrasive and Vacuum



Severe Service Valves: Ball Valves, Gate Valves, Plug Valves, Actuators



Solenoid Valves: Solenoid and Air Operated Valves, Microminiature Valves, Pneumatic Controls, General Controls Combustion Valves, Valve Position Indicators, Mechanical and Electronic Pressure Sensors.



Actuators: Linear Pneumatic and Hydraulic, Quarter-turn Electro-hydraulic, High-pressure Direct gas, Hydraulic and Gas Over Oil Actuators and Multi-turn Gas Motors, Power and Control Systems



Control Valves: Low flow, high pressure and sanitary control valves



Check Valves: In-line, spring-assisted check valves for prevention of backflow, water hammer, and reverse flow for horizontal and vertical installations



Check Valves: Cast and forged gate, globe and check valves



Butterfly Valves: Resilient-seated, M-PTFE-lined, High Performance

Knife Gate Valves: Uni-directional, Bi-directional, Through Port

Pneumatic and Electric Actuators



Valves and Service: Double Block and Bleed Plug Valves, Four-way Diverter Valves, Re-bonded Slips, Service and Repair



Plug Valves: Two, three and four-way standard and pressure balanced lubricated plug valves



Safety Relief Valves: ASME Section VIII, Flanged, Threaded



Ball Valves: Screwed, flanged, severe service and special alloys

Butterfly Valves: High performance and severe service

Actuators: Pneumatic, electric and manual

Accessories: Switches, sensors and valve monitoring and communications



Relief Valves: Bronze, Brass, Iron, Steel, Pressure to 6500 PSIG, Sizes 1/4" to 8"



Actuators: Electric and Motor Driven Actuators, Gear Operators



Gate Valves: Slab, Expanding and Compact Expanding



Gate, Globe, Ball, and Check Valves: Conventional gate, globe and check valves, pressure seal valves, through conduit gate valve, full opening check valves, bellow seal valves, 2" - 48" API 6D ball valves in 2PC, 3PC up to 1500#



Ball Valves: Trunnion and Floating Ball Valves From 1/2" - 56" 150# - 2500#, 1/4" - 4" 1500 WOG - 6000 WOG Threaded and Socketweld Floaters and 2"-12" 150-1500# 6D Full Opening Swing Check Valves



Pneumatic and Hydraulic Actuators: Scotch Yoke, Rack and Pinion, Emergency Shut-down



Valve Accessories: Limit Switches, Position Indicators, Bus Networks



Valves: Pig launcher and receiver valves, frac valves and wellhead master valves



Triple Eccentric Rotary Process Valve: Conical Seating, Zero Leakage, Metal Seated Quarter-Turn

SERVICES



Actuation Services: Full Valve Assembly and Testing to FCX Quality Standards, Serialization

Valve Actuation and Validation: Production Verification, Testing, Certifications, Automated Valve Package Documentation and Serializaiton



Engineered Systems: Floating pump stations, chemical metering/injection, blending, pressure booster, portable pump, fluid transfer and fluid oil systems



ASME & National Board Repair Certifications: Air, Steam, Gas and Liquid Valves

Safety Valves: In-house and In-line Settings, Repair, Service

Process Valves: Repair and Maintenance Services

Valve Surveys, Project Management: Preventative Maintenance, Pressure Management



Instrumentation Services: Instrumentation, Calibration, Systems Integration, Project and On-Site Staffing and Predictive Maintenance