



## CEDAR RAPIDS LINE CARD

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### MEASUREMENT, INSTRUMENTATION & CONTROL

**ABB** **Analytical:** pH, conductivity, turbidity, ORP, DO, silica, sodium hydrazine, combustion O<sub>2</sub>/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  
**Variable Frequency Drives:** 1/6th-6700 Horsepower, 200-4160 Volts AC/DC

**ACTION INSTRUMENTS** **I/O Solutions:** Signal Conditioners, Isolators, DIN Rail, Field Mount

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

**Deltech** **Air Treatment Products:** Filtration, Refrigerated/Desiccant Air Dryers

**Dwyer** **Instruments:** Pressure, Flow, Level, Temperature

**ERDCO** **Flow Products:** Indicators, Switches, Transmitters

**fireye** **Flame Management:** Multi-Burner Flame Scanners, Burner Scanners

**FLOWERVE** **FCX Wireless Solutions:** Field Units, Repeaters, RTU's, Receivers, Interface Processors

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

**MicroMod** **Process Controllers:** Micro-DCI, MOD, SLC

**ORION** **Magnetic Level Indicators:** Guided Wave Radar  
**Magnetostrictive Transmitters**

**PENBERTHY** **Indicators & Flow Products:** Sight Flow, Liquid and  
**PENTAIR** Magnetic Level, Gage Glass, Eductors, Jet Pumps

**PRECISION** **Digital Panel Meters:** Line or Loop Powered  
**DIGITAL** Displays, Annunciators

**pyromation** **Temperature Sensors:** Thermocouples, RTD's,  
**TEMPERATURE** Thermowells, Sensor Wire

**+GF+ SIGNET** **Corrosion Resistant Instrumentation:** Flow, pH,  
**SIGNET** Conductivity, ORP, Transmitters

**SPONSER, INC.** **Turbine Meters:** Industrial, Cryogenic, Flow  
**SPONSER** Rate/Total Indicators

**TURCK** **Connectivity Products:** Conventional and Fieldbus:  
**WORKS** Cordsets, Junction Boxes, Connectors  
**Intrinsic Safety Barriers:** Isolated, Zener,  
**Non-Incendive Remote I/O**  
**Sensors:** Proximity, Flow, Pressure, Temperature,  
**Motion**

**Valmet** **Valmet - Consistency Measurement:** KajaaniMCA,  
**Valmet** Analyzers, Transmitters, Sampling Valves

**venture** **Niagara Flow Measurement:** Target, Nutating Disc,  
**MEASUREMENT** Oval Gear.  
**BINDICATOR Level Controls:** Point Level Sensing  
**for Liquids & Solids**

**VERIS** **Flow Sensors:** Insertion Style, Velocity Averaging

**WATLOW** **Electric Heating:** Heating Elements, Controllers,  
**WATLOW** Power Controls

## VALVES, ACTUATORS & ACCESSORIES



**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.



**Control Valves:** Low Flow, High Pressure, Sanitary



**Check Valves:** Industrial, Sanitary



**Control Valves:** Corrosion Resistant, Globe, Grounding Rings



**Pneumatic Controls:** I/Ps, Regulators, Volume Boosters



**Manual and Automated Valves:** Gate, Globe, Check and Butterfly Valves



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

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

**Pneumatic and Electric Actuators**



**Plug Valves:** Sleeved, Lined, High Alloy, Multi-port



**Ball Valves:** Multi-Port, Industrial, Specialty



**Corrosion Resistant Valves:** Ball, Butterfly, Diaphragm, Manual, Automated



**Safety Relief Valves:** ASME Section VIII, Flanged, Threaded



**PUREFLO Sanitary Products:** Manual and Automated, Tank Bottom Valves, Single or Multiport Diaphragm Valves

**DIA-FLO Diaphragm Valves:** Lined, Industrial  
**FABRI Valves:** Knife Gate: High Performance, ANSI Rated, Bubble Tight, Vacuum, Fabricated Through 96"

**CAM-TITE Valves:** Non-spherical, Beveled Edge

**CAM-LINE Valves:** Plastic Lined, PVDF Coating



**Control Valves:** General and Severe Service Control Valves, Plug and Cage Guided, Equal Percent, Linear, and V-Port Trims. Specialty Trims For Velocity Control, Anti-Cavitation or Erosion



**Valves:** Pinch, Pressure Isolated Rings



**Industrial Valves:** 2-Way, Flanged, Flush Tank, 3-Way Diverter Valves, Cryogenic and Instrument Valves

**Sanitary Valves:** Trap, Flush Tank, 3-Way Diverter Valves, 3,4 and 5-Way Multi-Port Valves, Sampling, Check/Manifold Assemblies



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



**Control Valves:** Globe, Metal and Soft-Seated, Severe Service Trim

**Positioners:** Conventional, Smart, Digital, Fieldbus, Valve Diagnostic Software



**Electric Actuators:** On/Off, Control, Fail-Safe



**Plate & Frame Heat Exchangers Repair and Certification:** All Brands: Cleaning, Dye-Penetrant Testing, Regasketing, Frame Handling



**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



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