



## MILWAUKEE 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  
**Web Tension Systems:** PillowBlock Load Cells

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

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

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

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

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

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

**FLOWSERVE** **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 Magnetic Level, Gage Glass, Eductors, Jet Pumps

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

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

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

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

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

**valmet** **Metso Automation - Consistency Measurement:** KajaaniMCA, Analyzers, Transmitters, Sampling Valves

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

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

## VALVES, ACTUATORS & ACCESSORIES



**Ball Valves:** Severe Service: Metal and Ceramic Seated, Steam Service to ANSI 4500#



**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, Inserts, Metal, PTFE



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



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



**Hilton Valves:** Knife Gate, Wedge Gate, Check, Air Cylinders



**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



**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



**Actuators:** Electric and Motor Driven Actuators, Gear Operators



**JAMESBURY**  
**Ball Valves:** Screwed, Flanged, Severe Service, Special Alloys

**Butterfly Valves:** High Performance and Severe Service

**Actuators:** Pneumatic, Electric and Manual

**Accessories:** Switches, Sensors, Valve Monitoring, Communications



**NELES**

**Control Valve:** Eccentric Plug, Segment, Ball and Butterfly

**On-Off Valves:** Ball and Butterfly

**Emergency Shut-Down Valves:** Ball and Butterfly

**Actuators:** Pneumatic, Double Diaphragm and Manual Gear Operators

**Positioners:** Smart, Pneumatic and Electric Pneumatic

**Accessories:** Controllers, Limit Switches and Position Transmitters



**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



**Valve Accessories:** Limit Switches, Position Indicators, Bus Networks



**Butterfly Valves:** Resilient Seated, Lug Wafer, Lined Actuation



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



**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