



**SPARTAN
CONTROLS**

Automation | Valves | Measurement | Process Control

Waste & Wastewater Product Line Card





We sell, apply, and service municipal-focused, high-quality specialty valves, measurement and automation products from best-in-class manufacturers such as Emerson's Bettis™, Fisher™, Rosemount™, Keystone™, Vanessa™, and Zedi as well as other brands including Singer™, Hydro Gate® and many others.

Through our Edmonton and Burnaby Automation Centres and our Regional Service Centres, we provide the largest local inventory and service coverage in Western Canada.

At Spartan, we serve the *Customer First*.



Specialty Valves

Brands



EMERSON[™]

KEYSTONE[™]

VANESSA[™]

SINGER[™]
a MUELLER brand



Keystone™

- Resilient seated butterfly valves in wafer, lug, and flanged body configurations
- High performance double offset butterfly valves
- Full line of direct mount actuation including electric, pneumatic, and hydraulic



Keystone™ Series GWL/GRL



Keystone™ Series GRF



Keystone™ Series 36/37

Vanessa™

- High performance triple offset valves
- Large size range and high pressure capability
- Metal seat design with zero leakage (bubble tight, drip tight)
- Water, lug, double flanged, long pattern flanged, or welded ends

Vanessa™ Series 30,000
Flanged BodyVanessa™ Series 30,000
Lug Body

Singer™

- Pressure reducing and pressure relief valves
- Surge control, pump control, and level control valves
- Flow control and flow metering valves
- Electronic control valves
- Smart pressure management and water loss prevention
- Cavitation mitigation

Singer™ 106-PR
Pressure Reducing ValveSinger™ 106-2SC-PCO
Dual Solenoid Control ValveSinger™ 106-PR-SM
Pressure Reducing Valve

Hydro Gate®

- Stainless steel, aluminum, and cast iron water control gates
- Slide and weir gates
- Radial/tainter, overshoot, and roller gates
- Flap, fabricated butterfly gates
- Stop logs, bulkheads, and handpull gates
- Manual, electric, pneumatic, and hydraulic operator options

Hydro Gate® Model HG560
Heavy Duty Slide GateHydro Gate® Model HG561
Fabricated Slide GateHydro Gate® Model 50
Flap Gate

RF Valves

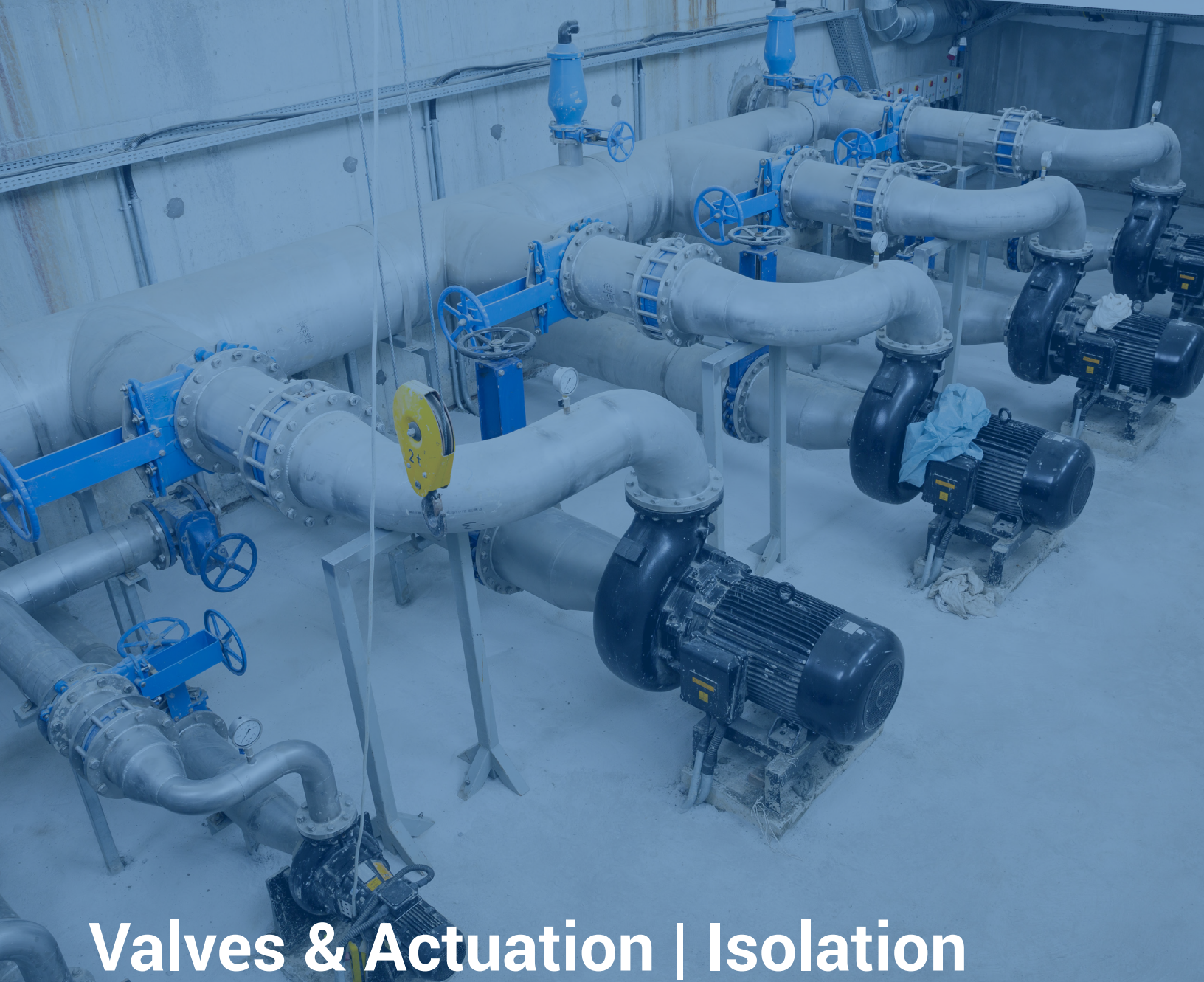
- High performance pinch valves
- Non-stretch elastomer tube technology
- Smart valve wear sensor technology

RF Valves
aiRFlex Pinch ValveRF Valves
Manual Pinch ValveRF Valves
Pneumatic Pinch Valve

Vent-O-Mat Valves

- Four function air valve design (initial and continuous air release/vacuum/surge)
- Full port design for maximum pipeline protection under vacuum condition
- Premium materials
- Stainless steel construction
- HDPE floats
- High pressure design up to 1,000 psi
- 10-year warranty

Vent-O-Mat RBX
Clean Water ValveVent-O-Mat RGX
Wastewater Valve



Valves & Actuation | Isolation

Brands



ASCO™ BETTIS™ EIM™

EL-O-MATIC™ KEYSTONE™

TOPWORX™

ASCO™

- Solenoid valves
- Pressure switches
- Temperature switches



ASCO™
Series 8320



ASCO™
Series 8210

Bettis™

- Electric, pneumatic, and hydraulic valve actuators
- Multi-turn and quarter-turn configurations
- Hydraulic and electro-hydraulic mechanical fail-safe/emergency shut down configurations
- Standard and smart actuators
- Discrete, 4-20mA, and bus communications (HART, Modbus, Foundation Fieldbus, Profibus, Ethernet TCP-IP)
- Remote display modules



Bettis™ XTE3000



Bettis™ RTS



Bettis™ SCE300



Bettis™ TorqPlus



Bettis™ EIM™
M2CP



Bettis™ EHO



Bettis™ G-Series

El-O-Matic™

- Pneumatic and electric valve actuators
- Rack and pinion actuators
- Positions, limit switches and position indicators



El-O-Matic™ F-Series
Rack and Pinion Pneumatic Actuator

Keystone™

- Pneumatic and electric quarter turn valve actuators
- Open/closed and modulating service
- 4-20mA, Profibus DP, DeviceNet communication options
- Direct mount to Keystone™ butterfly valves



*Keystone™ EPI-2
Electric Actuators*



*Keystone™ F89
Pneumatic Actuator*

Topworx™

- Field networking
- Valve limit switches and position indicators
- Position sensing



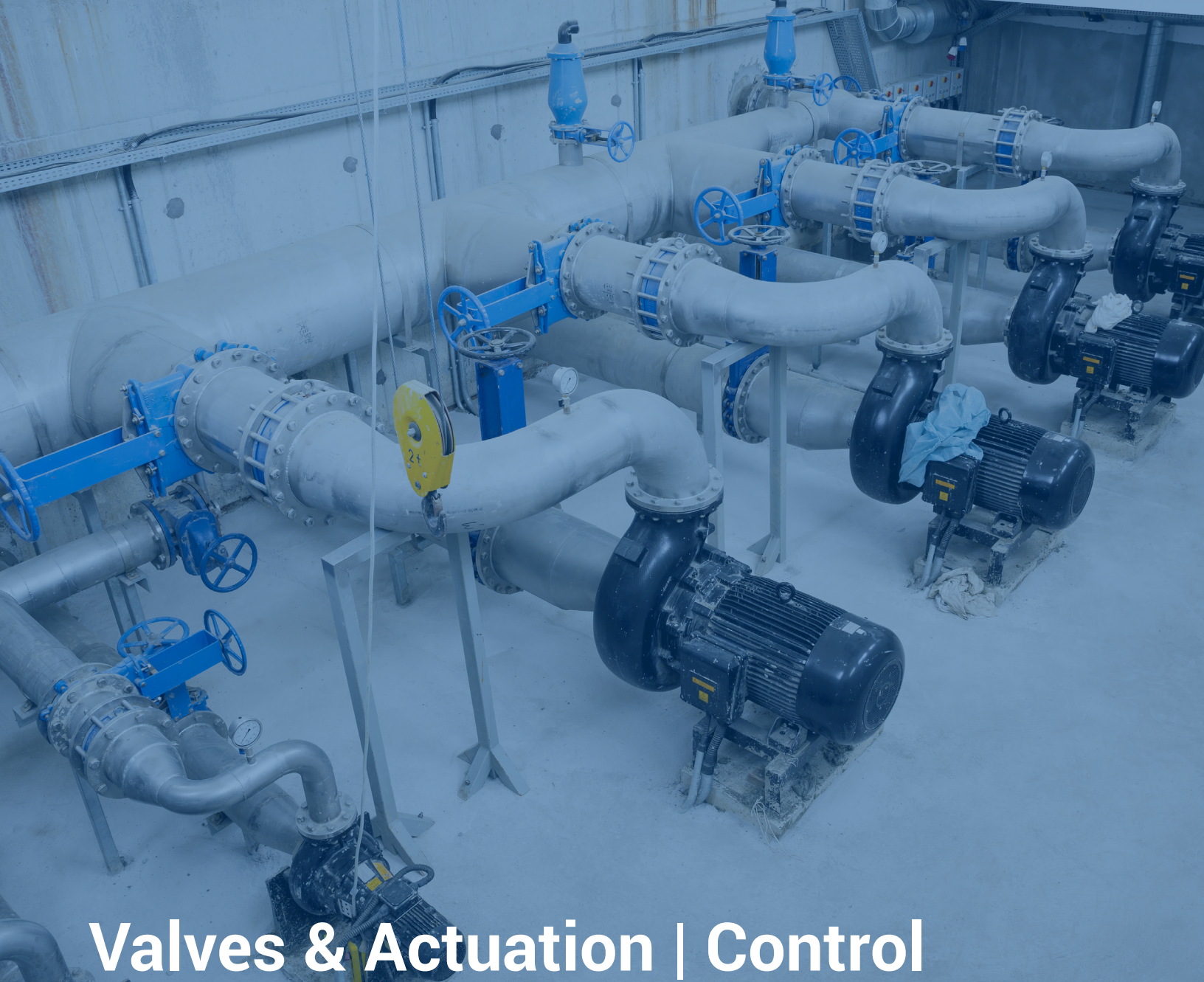
*Topworx™ TVF
Valve Switch Pack*



*Topworx™
DXP Valve Switch Pack*



*Topworx™ GO
Proximity Switch*



Valves & Actuation | Control

Brands



EMERSON™

BAUMANN™

FISHER™

Rotary Valves

- Application versatility
- Zero lost motion drive train
- Compact and flexible configuration
- Ultra-low flow applications



*Fisher™ Vee-Ball™ V150
Flanged Control Valve*



*Fisher™ V250
Control Valve*



*Fisher™ 8580
Rotary Valve*

Sliding Stem Valves

- Extremely precise control
- High pressure drop capability
- Wide offering of materials
- Replaceable trim
- Low lifetime costs
- Engineered for high tolerances



*Fisher™ ET
Control Valve*



*Fisher™ YD 3-Way
Control Valve*



*Fisher™ D4
Control Valve*



*Baumann™
2400 SVF*

Digital Valve Controllers, Positioners, Instrumentation & Accessories

- Smart digital controllers
- Advanced diagnostic capabilities
- Pneumatic positioners and controllers
- Level sensors, switches and transmitters
- Liquid level controllers, gauges and gauge cocks



*Fisher™ FIELDVUE™ DVC6200
Digital Valve Controller*



*Fisher™ L2E
Liquid Level Controller*



*Fisher™ i2P-100
Electro-pneumatic Transducer*

Gas & Air Regulators

- Rugged construction
- Tight shut-off with elastomer seats
- Easy maintenance
- Over pressure protection options
- Wide variety of body sizes, end connections and materials



*Fisher™ CS200
Gas Regulator*



*Fisher™ MR95
Air Regulator*



*Fisher™ 67CFR
Air Regulator*



*Emerson™
Cash LS*

Wireless Products

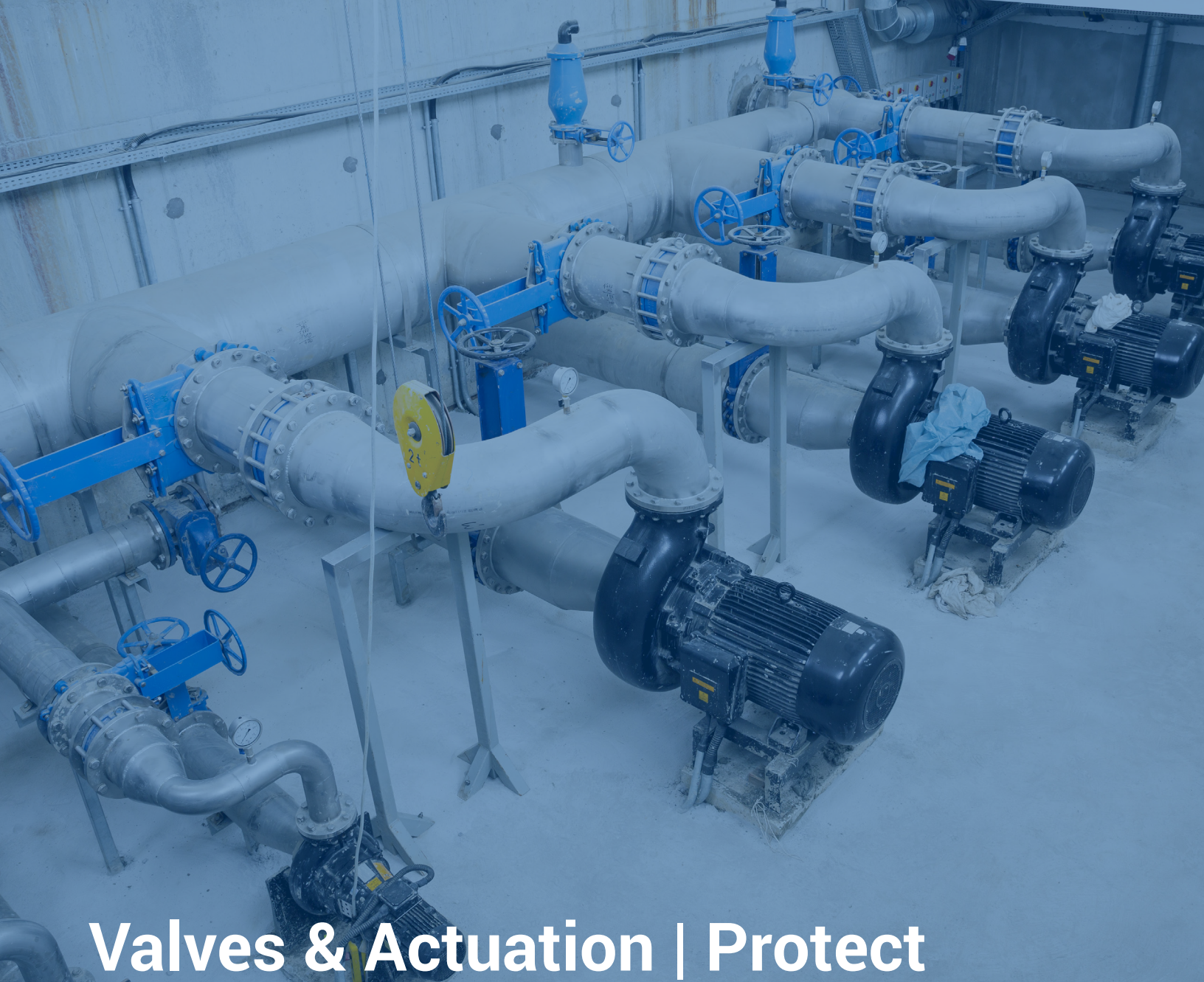
- THUM adapters
- Position monitors
- Wireless on/off controllers



*Emerson™ Wireless 775
THUM™ Adapter*



*Fisher™ 4320
Position Monitor*



Valves & Actuation | Protect

Brands



ANDERSON GREENWOOD™

CROSBY™ ENARDO™ KUNKLE™

Pressure Relief Valves

- Direct spring and pilot operated
- ASME/NB certified capacities for air, water and steam
- Highly customizable to satisfy the most comprehensive range of applications
- Adjustable blowdown to reduce product loss
- Two-phase service capable
- Broadest range of steam relief valves
- PFA lined safety relief



*Crosby™ H Series
Direct Spring Safety Valves*



*Anderson Greenwood™
Series 60/80*



*Kunkle™
Models 6252/6254*

Tank Management

- Flame and detonation arrestors
- Pressure and vacuum relief valves
- Emergency and free vents
- Gauge and thief hatches
- Tank blanketing regulators
- Wireless monitoring



*Enardo™ DFA Series
Detonation Flame Arrestors*



*Anderson Greenwood™
121F*



*Enardo™
850/950*



Measurement Instrumentation

Brands



Rosemount™

Measurement

- Differential pressure flow
- Magnetic flow meters
- Level transmitters
- Pressure
- Temperature
- Wireless

Analytical

- pH
- Chlorine
- Turbidity
- Dissolved oxygen
- Conductivity



Rosemount™ 8750
Magnetic Flow Meter Sensor



Rosemount™ 2088
Pressure Transmitter



Rosemount™ 1056
Four Wire Transmitter



Rosemount™ CX1100 Boiler
Control Oxygen Analyzer

Ametek Drexelbrook

- Drexelbrook point level products
- Continuous level products
- Interface level
- Water cut monitor



Ametek Drexelbrook DR5200
Radar Level Transmitter



Ametek Drexelbrook U-Sonic
Ultrasonic Transmitter



Ametek Drexelbrook U-Sonic-R
Ultrasonic Level Transmitter

Winters

- Pressure gauges
- Pressure transmitter
- Pressure switches
- ISO-Rings



Winters
PFQ-ZR Pressure Gauge



Winters
Pressure Transmitter



Winters
Pressure Switch



Winters
D81 Isolation Ring



Process Control

DeltaV™

Control Systems

- DeltaV™ digital automation systems
- High-availability, full redundant control architecture for critical assets
- Precise operations controls, monitoring, diagnostics, and predictive intelligence
- Water and wastewater plant control system
- Pump and lift station standalone control and HMI

PK Controller

- DCS controller with PLC economics
- Direct PLC replacement
- Standalone or integrated
- High speed logic execution



DeltaV™ S-Series



DeltaV™ PK Controller

Bristol

- Measurement and control products for remote SCADA applications
- Fuller offerings of SCADA RTUs, PLCs, PACs, and flow computers in the ControlWave family
- Pre-engineered water and flow computing application-specific products as well as fully programmable controllers for customized applications



Bristol ControlWave

Brands



DELTA V™ Zedi

Bristol

Hyundai Induction Motors

- Low voltage up to 600V, 2,000 HP
- Medium voltage up to 13.8kV, 29,500 HP



Hyundai NEMA Premium Efficiency Low Voltage



Hyundai Medium Voltage

Yaskawa

- Low voltage up to 600V, 1,600 HP
- Medium voltage up to 13.8kV, 16,000 HP



Yaskawa GA500 Microdrive <40 HP



Yaskawa P1000 Fan & Pump Applications



Yaskawa GA800 General Purpose



Yaskawa MV1000

PowerVue™ Low Voltage MCCs and Switchboards

- Low voltage up to 600V, 500A
- Built-in DeltaV™ options
- Integrated Yaskawa variable frequency drives
- Traditional hard wired MCC's
- Intelligent Smart MCC's
- Local design, manufacturing and inventory
- Shortest lead times 5-8 weeks
- Increased safety
 - Arc quenching technology options



PowerVue™ Low Voltage

Power & Drive Solutions

Brands





Machinery Reliability

Brands



EMERSON[™]

AMS ROSEMOUNT[™]



AMS™

Offline/Route Based Monitoring

- Machinery health analyzer
- 4 channel capabilities
- Triaxial measurement capabilities
- Bluetooth/wireless options
- Route collection and detailed analysis capabilities
- Alignment, balancing, ODS and transient functions



AMS™ 2140

AMS™

Online/Protection and Prediction Systems

- Software
- Condition monitoring system
- Common software platform
- Multi-technology capabilities
- Multiple data source functions (periodic, online, wireless)
- Mobile applications



AMS™ Machinery Manager



AMS™ Device Manager



Plantweb™ Optics

AMS™

Hardware

- Field programmable protection/prediction hardware
- Modular condition monitoring hardware
- Remote monitoring capabilities for hazardous area
- Transient data acquisition
- OPC UA/Modbus connectivity
- Cloud ready data source



AMS™ 6500 ATG



AMS™ 6500 MS

Sensors

Sensors

- Application specific transducers
- 4-20 vibration transmitters
- 4-20 mA temperature transmitters
- Displacement probes
- Junction boxes and cables
- Wireless vibration monitoring systems



IMI 640B
Vibration Sensor



IMI 682C03
Transmitter



Rosemount™ 9420
Wireless Transmitter

Services

Condition Monitoring

- Development of CM strategies
- Machinery monitoring system selection and implementation
- Remote and on-site data analysis
- Vibration, IR, ultrasonic inspection technologies
- Precision alignment and balancing

Performance Analytics

- Digitalization and IIoT strategy development
- Machine learning and artificial intelligence applications
- Energy management programs
- Model based equipment monitoring



Fire & Safety Solutions

Brands



Boreal

- Open path gas detection for toxic and combustible gases in safety and environmental applications
- Low maintenance cost as calibration and sensor changes are not required
- 20 year life



Boreal GF3-DC IPM LD

Det-Tronics

- Solutions for the detection of fire and combustible and toxic gases
- Long life detection requiring minimum maintenance
- Complete systems available including controller and end devices



Det-Tronics X3301



Det-Tronics PIRECL



Det-Tronics GT3000



Det-Tronics LS2000

Federal Signal

- Audible and visual signaling
- Public address and general alarm (PA/GA) and evacuation systems
- Easily integrated with fire & gas system, DCS/SIS or other control system
- Supervised horns and strobes available to quickly diagnose required maintenance



*Federal Signal
Beacons and Horns*



*Federal Signal PAGASYS Digital Public
Address and General Alarm System*

Industrial Video Solutions

- PELCO cameras for hazardous and GP locations
- FLIR thermal cameras for temperature measurement and process control
- Osprey Informatics using intelligent video to detect people and vehicles at remote sites



*FLIR AX-8
Thermal Camera*



*FLIR FC-R Fixed Network
Thermal Camera*



*Pelco
CCTV*



Packaged Technologies

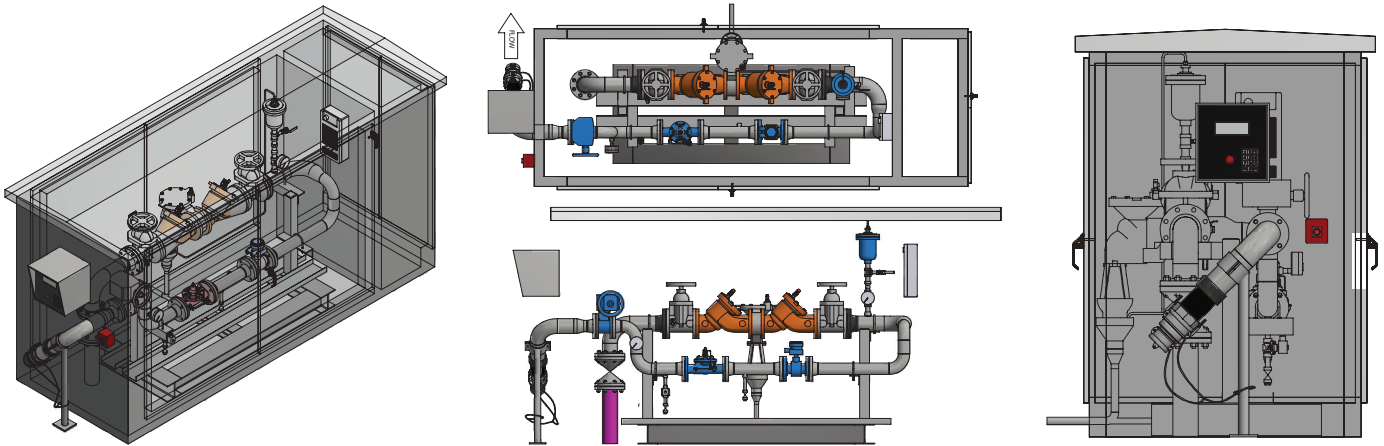
Automation Packaging

Custom pneumatic, electronic, electrical, and hazardous location control panels and assemblies.

- Building and skids
- CSA ABSA and testing
- DCS marshalling & safety systems
- DeltaV™ and DeltaV™ SIS
- Telecom, fiber-optics & server cabinets
- Staging & testing services
- Fire & safety enclosures
- Junction boxes & power distribution
- Oil & gas field service rigs and trucks
- Pneumatic & analytical
- Programmable logic controllers
- Remote terminal units
- Truck unload solutions
- Winterization enclosures

Water Bulkfill Stations

- Custom designed based on available site footprint and required fill rates
- Industry standard valve, instrument, terminal and kiosk components
- Network and off-line data systems, prepaid or billing systems
- Full package locally supported in Western Canada
- Full implementation and commissioning support





Digital Solutions

Brands



Zedi



PLANTWEB
optics

CAPSTONE TECHNOLOGY
a spectris company

Inmation:

VisualKPI

Spartan's Digital Transformation team provides solutions above the control systems. Leveraging data that exists in your systems and devices we are helping solve operational, reliability, production, and energy management challenges for Customers. By accessing, connecting, consolidating, and organizing data from a number of sources we are able to help solve problems that had previously proven to be challenging. Where necessary augmenting with the appropriate tools and applying expertise can help you and your organization address many of your digital needs.

Connected Services

- Access to Spartan Controls equipment expertise
- Augment your team with expertise
- Part-time or full-time connectivity to your equipment and/or systems
- Various tiers of support available
- Broad portfolio of product and solution support

Plantweb

Optics

- Data Storage and Asset Management
- Plantweb Optics Analytics optional ML engine
- Manage your assets from your Mobile Device



Data Lake

- Industry leading connectivity to numerous source systems
- Universal data storage across all of your data types
- Organize your data
- Cloud or On-site deployment
- Connect to numerous analytics and visualization tools

Zedi

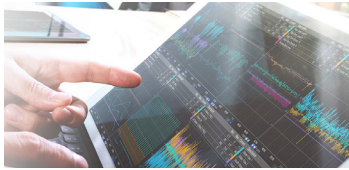
- Remote connectivity – Cellular and Satellite
- Calculations and visualization platform as well as remote control
- Mobile tools – work where you need to be

Plantweb Optics Suite

Capstone Technology

PARCView

- Industry leading trending tool
- Reporting and graphics
- Process and manually gathered data
- Data storage



dataPARC

inmation

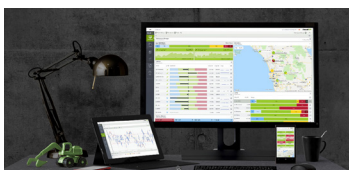
- Industry leading connectivity to numerous source systems
- Universal data storage across all of your data types
- Organize your data
- Cloud or On-site deployment
- Connect to numerous analytics and visualization tools



enterprise inmation

VisualKPI

- Industry leading visualization tool
- Pre-configured library of easy to deploy tools
- Easy to deploy Dashboarding



Tanspara VisualKPI



Automation | Valves Measurement | Process Control

Call us today or request a quote online!

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www.spartancontrols.com

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Whitecourt	+1 (780) 778-5445

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