

JHFOSTER

John Henry Foster.com

Automation • Robotics • Compressed Air • Service

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REGIONAL

West Fargo, ND

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REGIONAL

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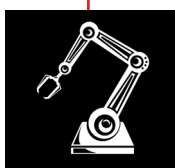
935 Metzger Drive

Hiawatha, IA 52233

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AUTOMATION PRODUCTS

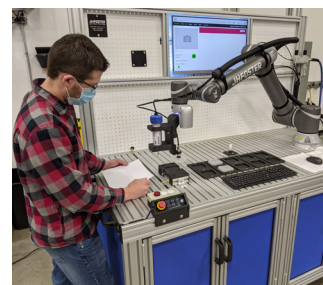
Robotics



IAI America, Inc.: ROBO Cylinder™, Mini ROBO Cylinder, Linear, Rotary Actuators, Grippers, IX SCARA Robots, TT-Table Top Robot, Controllers
Kawasaki: 6-axis robots, pick and place robots, dual arm scara robots

Staubli: Industrial SCARA 4-axis robots and 6-axis robots

Techman Robot (TM): Collaborative robots with built-in vision, 5 kg, 12 kg and 14 kg payloads; 700 mm, 900 mm, 1100 mm, and 1300 mm reach



Robotic Accessories

80/20: Mobile bases, tables and guarding

Bimba | Vaccon: Vacuum tool end effector

DESTACO: Pneumatics and electric grippers, end-of-arm tooling and tool changers

MurrPlastik: Cable management solutions

OnRobot: Pick & place, machine tending, packaging & palletizing, assembly, surface finishing, quality testing & inspection

Pick-it: Software, 3D Camera, Industrial processor

Robo-Gear: Industrial Robot Covers, Disposable & Paint Robot Covers as well as Custom cable/hose/conduit wrap

Robotiq: Adaptive grippers, wrist camera, force torque sensors, kinetiq teaching, robotic welding

Techman Robot (TM): Robot stands and mobile work stations



Servo Reducers and Couplings**

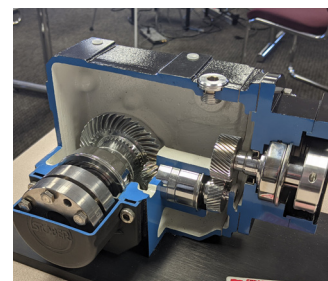


***Nidec (SHIMPO):** Planetary gear reducers, ultra high precision rotary tables

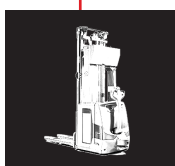
***R+W Coupling Technology:** Precision couplings, torque limiters, line shafts

***STOBER:** Gearboxes, servo reducers, power transmission gearboxes, gearmotors, servo motors

***Zero-Max Couplings:** Servo coupling, torque limiters, right-angle gear drives, keyless shaft mount bushings, composite disk couplings



Auto Guided Vehicles (AGV's)**



Bila: AGV Global, Auto Pallet Dispensers to Industrial Auto Palletizers



*MTD, A JHFoster Company, is a proud distributor for these vendors.

**New product category

Please note that some products may not be available in your area. For complete details, check with your Account Manager.

AUTOMATION PRODUCTS

Electric Automation

Advantech B&B SmartWorx*: Industrial cellular routers and gateways, Wizzard wireless sensor platform, SmartSwarm 3451 Modbus IoT gateways, ethernet serial servers

BACO Controls, Inc.: 22MM and 30MM control and signaling devices (push buttons, mushroom buttons, emergency stops, selector and key switches, pilot lights and joysticks), IP69K Pilot Devices, disconnect switches 25AMP-100AMP, cam switches, custom control stations, rex timers

* **Balluff:** IO-Link sensors, RFID, I/O-Link fieldbus masters, HUBS, RFID vision, LED stack lights, displays

* **Bosch Rexroth:** IndraMotion MTX micro, IndraMotion MTX standard, performance, and advanced, servomotors, linear motors, motion controllers and drives (amplifiers), direct drive motors, servo drives & motors, ball rail linear guides, high precision ball screws, linear motion systems, smart function kit, electromechanical cylinders, linear guides, linear axes, linear guide systems, linear screw assemblies, electromechanical cylinders, integrated measuring systems, motion & machine controls & CNC, operator panels, embedded PC, machine cut panels

Canfield Connector: Electronic timers, connectors, sensors

Carlo Gavazzi: Proximity, Photoelectric and Level Sensors, Monitoring Relays, Energy Meters and Power Supplies, Push buttons, Switches, Timing Relays

* **Haewa:** Free-standing modular cabinets, wall mount enclosures, cabinet climate-control equipment, compact69 enclosures, explosion-proof enclosures, hygienic enclosures, PC cabinets, ABS and polyester enclosures

IFM: Industrial sensors, networking and control systems

Maple Systems: HMIs, Panel PCs, PLCs

Mencom Corporation: Industrial connectors, cordsets, panel interface connectors, ethernet switches

MurrPlastik: Cable management solutions

Optex FA: Photoelectric, Displacement and Vision Sensors

* **Patlite:** Industrial lighting, stack lights, work lights, warning lights, audible products, factory floor monitors

* **Pizzato:** Limit switches, pushbuttons, foot switches, control panel devices

SolaHD: Power supplies, industrial control transfers, power protection, power conditioning, transformers

Sprecher & Schuh: Contactors, relays, starters, push buttons, switches, circuit protection, disconnects, terminals

TOLOMATIC Washdown Actuators – specializing in stainless steel washdown actuators including IP69K & 3A-USD approved

* **WEG:** Electrical control panel devices, contractors, circuit breakers, motor starters, relays, disconnects, terminal blocks

Wieland Electric, Inc.: Power supplies, relays, sensors, terminal blocks, industrial connectors

Electric Actuators/Motion Control/Motors/Drives

* **ATLANTA Drive Systems***: Helical, straight, integrated, and round gear racks, rack and pinion systems, pinion gears, automatic lubrication systems, ball screw drives, linear rail systems

Bimba: Original Line Electric rod type

Bimba | Intek: Belt, Ballscrew, Rack and Pinion, Thrusters, Idlers, Linear Servo, Gantry Systems

* **Bosch Rexroth:** IndraMotion MTX micro, IndraMotion MTX standard, performance, and advanced, servomotors, linear motors, motion controllers and drives (amplifiers), direct drive motors, servo drives & motors, ball rail linear guides, high precision ball screws, linear motion systems, smart function kit, electromechanical cylinders, linear guides, linear axes, linear guide systems, linear screw assemblies, electromechanical cylinders, integrated measuring systems, motion & machine controls & CNC, operator panels, embedded PC, machine cut panels

Carlo Gavazzi: Contactors, Overloads, Manual Motor Starters, Soft Starters, Solid State Contactors, Definite Purpose Contactors and Miniature Circuit Protectors/Breakers

Control Techniques/Leroy-Somer/Nidec: Servo Motors, Servo Drives, AC/DC Drives, Induction/Permanent, Magnet/DC Motors

* **Curtiss Wright (Exlar):** Roller screw technology

Duff-Norton: Screw jacks, linear actuators, electric cylinders, acme and ball screws & nuts, rail maintenance equipment

* **EXOR:** - with embedded Codesys offers a soft PLC solution, HMI panel configuration, simple graphic displays, high-end graphic displays; color; touch screen, JMobile software

IAI America, Inc.: ROBO Cylinder™, Linear, Rotary Actuators, Grippers, Controllers, Mini ROBO Cylinder, IX SCARA Robots, TT-Tabletop Robots

* **JVL:** Stepper motors, servomotors, linear motors, motion controllers and drives (amplifiers) integrated servo/stepper motors with built in drive

Koganei: Electric Linear and Rotary Actuators, Electric Grippers

* **Oriental Motor:** Stepper motors, servomotors, linear motors, motion controllers and drives (amplifiers) compact AC gearmotors, stepping motor; DC brushless speed control

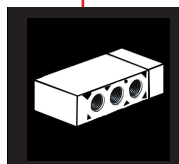
Robohand/DESTACO: Electric Grippers and Power Clamps

* **Sankyo Automation:** Servo and fixed-stop cam indexers, linear servo actuator; cam index drives, precision press feeds, torque limiters

*MTD, A JHFoster Company, is a proud distributor for these vendors.

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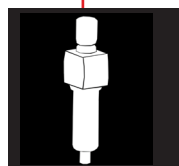
Pneumatic Valves



AAA Products: Mechanical, pilot, or solenoid operated
Air-Mite, Inc.: Mechanical, pilot, or solenoid operated
Bimba | Acro Associates: Pneumatic and solenoid pinch valves
Bimba | Mead | MFD: Solenoid, control and specialty valves
Bimba | Pneumadyne: Mechanical, pilot or solenoid operated
Bi-Torq: Manual and automated ball and butterfly valves
Emerson | ASCO Numatics: Mechanical, pilot, or solenoid operated, in-line, manifold and sub-base mountings, fieldbus (Ethernet, DeviceNet, Profibus etc.), poppet valves, ISO 1 – 3
Emerson | AVENTICS: Manual/mechanical, pilot or solenoid operated, in-line, manifold and subbase mounted, fieldbus (EtherNet, DeviceNet, Profibus, etc.), poppet valves, ceramic sliding plates, ISO 1-4, safety, flow control, check, shuttle, quick exhaust, relay
Humphrey: Mechanical, pilot, or solenoid operated, pressure and vacuum, in-line, stackable, manifold and sub-base mountings
Koganei: Solenoid
Nopak: Mechanical or solenoid operated valves
Ross Controls: Safety valves, poppet valves, solenoid valves



Pneumatic Filters, Regulators, Lubricators



Arrow Pneumatics: Filters, regulators, lubricators, desiccant dryers
Beach: Sta-Dri in-line desiccant filters, Sta-Dri pouches, breathers
Bimba | MFD: Particle removal filters, regulators and lubricators
Bimba | AIROS: Particle removal filters, regulators and lubricators
Emerson | ASCO Numatics: In-line oil and particle removal filters, regulators and lubricators, precision regulators
Emerson | AVENTICS: In-line oil and particle removal filters, regulators and lubricators, precision regulators, stainless steel air prep



Fittings | Couplers | Hose | Tubing



Bimba | Pneumadyne: Barbed, threaded, electroless nickel, brass and stainless steel
Emerson | ASCO Numatics: Push-In tube fittings, nickel plated brass, and World Thread fittings
Emerson | AVENTICS: Push-in fittings (polymer and nickel plated brass), metric tubing, tubing accessories
Freelin-Wade: Polyurethane, polyethylene, nylon, PVC tubing, re-coil assemblies and fittings, blowguns
Goodyear: Air hose
Midland Meta: Brass pipe fittings, compression fittings and needle valves
New Age Industries: Plastic tubing and hose
Nycoil: Tubing, fittings, couplers
Pisco: Push-in tube fittings, rotary joints and ball valves
Polyconn: Push-to-connect tube fittings
ZSi-Foster, Inc.: Quick disconnect fittings, blow guns, recoil hoses and fittings



AUTOMATION PRODUCTS

Conveyors



*** Conveyor Technologies, Ltd.:** Modular plastic belt conveyor, AccuVision conveyor, AccuMove conveyor, end drive conveyor, center drive conveyor, round belt conveyors, low profile conveyors in flat belt, back lit, cleated, variable shape, magnetic, vacuum, stainless steel mesh and custom made to customer requirements

Dorner Mfg. Corp: Belted, Modular Belt, Precision Timing Belt and Flexible Chain Conveyors; Sanitary and Industrial Conveyor Models – Low Profile, Heavy-Duty and Miniature Series; Standard, Standard Specials – Magnetic, Vacuum, Lift Gate, Common Drive, Backlit and Custom Conveyors – Accumulation Systems, Depositing, Merging, Diverting, Retracting and Transferring Conveyors; Pallet Handling Conveyors; Incline Conveyors – Z-Frame, Helix, Alpine, Vertical and Wedge Conveyors; Replacement Belts and Parts

New London Engineering: Standard, Modified and Custom Conveyors – Slider Bed, Hinged Steel Belt, Chain Driven Live Roller, Zero Pressure Accumulation, Wire Mesh, Magnetic, Cleated Incline, Table Top Chain, Modular Belt, Low Profile, Drag Chain, Turntable, Slat, Pallet Dispensing, Pallet Stacking and Pallet Handling Conveyors – in Steel, Aluminum and Stainless Steel

Enclosures



Ensto: Standard and customer-specific enclosing solutions. Polycarbonate and fiberglass enclosures, related accessories

*** Haewa:** European style electrical enclosure systems, control consoles, climate controls, pendant arms

Integra Enclosures: Polycarbonate – Impact, Premium, Genesis enclosures and accessories

Integra Strong Box Enclosures: Custom stainless steel enclosures

Saginaw Control and Engineering: NEMA style electrical enclosures; steel, stainless, non-metallic, climate controls, pendant arms, standard and custom enclosures

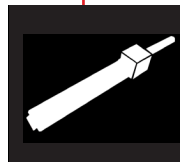
Lasers | Dot Peen | Scribing



Gravotech: Marking, engraving, laser cutting and dot-peen solutions

MurrPlastik: Laser printing

Pneumatic Actuators and Grippers



Advance Automation: Air cylinders

Air-Mite, Inc.: Air cylinders, presses

Bimba: Original Line® stainless steel air cylinders, Ultram® magnetic coupled rodless, Flat-I®, Flat-II® and Square Flat® stainless steel low profile, PneuTurn® rotary actuators, linear thrusters, position feedback, DoubleWall® NFPA, ISO 6431 & 6432 metric cylinders, feedback, Pneumatic Grippers (BPGS)

Bimba | Mead: Air actuators and presses

Bimba | MFD: Extruded thrusters, angular and parallel grippers

Bimba | TRD: NFPA actuators in aluminum, steel and stainless steel, presses

Emerson | ASCO Numatics: NFPA Air Cylinders, rodless, air bellows, linear slides, ISO/VDMA, rotary actuators

Emerson | AVENTICS: NFPA air cylinders, rodless, short-stroke, compact, ISO 15552 (ISO/VDMA), mini, round, guided, bellows, slide units, diaphragm-type, mobile type, cylinder-valve units, rotary actuators, grippers

Nopak: Cylinders

Robohand/DESTACO: Pneumatic grippers, angular and parallel grippers, rotary actuators

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AUTOMATION PRODUCTS

Pneumatic Automation Accessories

ACE Controls: Shock absorbers, velocity and feed controllers, gas springs, and hydraulic dampers

AiRTX: Blow-off nozzles, transvectors, cold air guns, static elimination

Aladco: Grippers, clamps, check valves

Alumi-Tec: Aluminum manifolds

Auer Signal: Optical and audible signal devices, stack lights and explosion proof signal lamps

Bimba: Alignment couplers, flow control valves and 3 & 4-way disc valves

Bimba | Mead: Flow controls, timers, relays, and sensors

Bimba | Pneumadyne: Air jets, fittings and manifolds

Control Line Equipment: Pneumatic counting devices

Cox Reels: Hose, cord and cable reels

Deltrol: Flow control valves, needle valves, and check valves

Desoutter Industrial Tools: Auto-feed drills, air motors, pneumatic drills/grinders/sanders, screwfeeders

DESTACO: Manual and pneumatic clamps

Duff-Norton: Rotary unions

Duro Reels: Hose, cord and cable reels

Dwyer: Pressure & vacuum gauges, flow meters, pressure, temperature & level switches

Ellis/Kuhnke Controls: Pneumatic timers and counters

Emerson | ASCO Numatics: Sintered bronze and shell type mufflers, flow controls, check valves, tubing

Emerson | AVENTICS: Valves (safety, flow control, check, shuttle, quick exhaust, relay), silencers, grippers, timing volumes, regulators, tubing & fittings

Generant: Check valves, needle valves, regulators, relief valves

Guardair: Air and siphon guns, pneumatic vacuums

Hannay: Hose, cord and cable reels

Hedland: Flow meters

Marsh: Pressure and vacuum gauges, precision regulators

Midwest Pressure Systems: Air driven air pressure booster systems

NGT: Pilot-operated check valves

Oetiker: Hose clamps, swing couplers

Pore Technology: Plastic mufflers

Reelcraft: Hose, cord and cable reels

Rotary Systems: Rotary unions

Silvent: Blow guns and blow-off nozzles

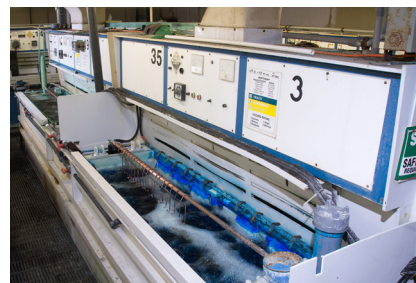
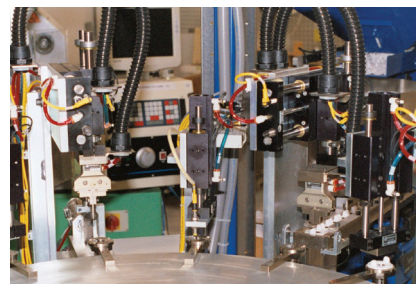
Specialty Manufacturing Company (SMC): Brass and plastic ball valves and check valves

Vibco Vibrators: Air and electric vibrators

Waldom Electronics (Aero-Motive): Hose reels, tool balancers, and ergonomic devices

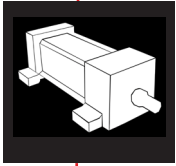
Wika: Pressure & vacuum gauges and chemical seals

ZSi-Foster, Inc.: Cushioned clamping and support systems



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Hydraulics



Bimba | TRD: NFPA, MH medium duty and HH series heavy-duty industrial hydraulic cylinders, compact hydraulic

Emerson | AVENTICS: NFPA medium and high pressure heavy-duty industrial hydraulic cylinders

Marsh: Pressure and vacuum gauges

Midland Metal: Hydraulic fittings

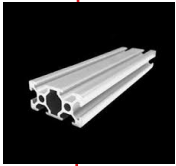
Nopak: NFPA Hydraulic cylinders, piston and bladder accumulators

Wika: Pressure gauges

ZSi-Foster, Inc.: Quick disconnect couplers



Guarding & Accessories

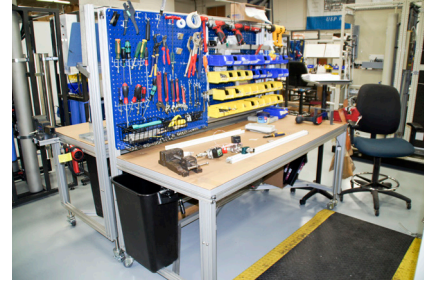


80/20 Inc.: T-Slotted aluminum extrusion and accessories

Bucher Hydraulics | Dyna-Lift®: Hydraulic lift systems

***Stronguard:** Modular & strong industrial guarding

Swivellink®: Modular mounting solutions for sensors, cameras, monitors, and lights, easily adjusted, solid mounting method



Safety



80/20 Inc.: Guarding, enclosures and workstations

Air-Mite, Inc.: Pneumatic and electric two hand anti-tie-down controls

***Balluff:** Safety over IO-Link, light curtains, door switches, safety sensors

Bimba | Mead: Pneumatic two hand anti-tie-down controls, lock-out valves

Carlo Gavazzi: Interlocks, safety relays, sensors

Emerson | ASCO Numatics: Lock-out valves, power isolation bases

Emerson | AVENTICS: Lockout valves, cylinder locking and holding units, power isolation bases

Euchner: Safety switches, e-stop devices, limit switches, light curtains, safety controllers, safety photocells

***Pizzato:** Standard safety sensors, standard safety switches with separate actuators, heavy safety switches with separate actuators, safety switches with separate actuators and locks

Renco, Inc.: Pneumatic and electric two hand anti-tie-down controls

Ross Controls: Energy isolation valves, control reliable double valves, po check valves

Tapeswitch: Sensing edges and bumpers, light curtains, safety and signal mats, safety interlocks

Wieland Electric, Inc.: Safety Relays, safe sensors, light curtains, two hand relays, safety switches

ZSi-Foster, Inc.: Safety quick couplers/blow guns



Vacuum Cups & Generators



Bimba | Vaccon: Vacuum generators, cups and air amplifiers

Edco USA: Vacuum generators, cups and sensors

Emerson | ASCO Numatics: Vacuum generators, cups and sensors

Emerson | AVENTICS: Vacuum generators, cups and sensors, non-contact transfer units

Pisco: Vacuum generators, cups and sensors

Vi-Cas: Vacuum cups and accessories



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COMPRESSED AIR SYSTEMS PRODUCTS

Air Dryers



Beko: Membrane

Gardner Denver: Refrigerated cycling, non-cycling, regenerative, digital scroll

Nano: Refrigerated, regenerative dryers and breathing air systems

Parker (Domnick Hunter/Airtek): Refrigerated, regenerative dryers and breathing air systems

Quincy: Refrigerated cycling, non-cycling, and regenerative

Trident: Desiccant 10-60 cfm versions

Zeks: Refrigerated cycling, non-cycling, and regenerative



Air Filters



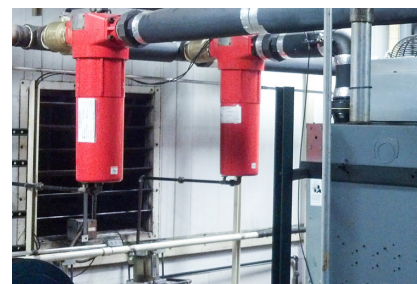
Gardner Denver: Particulate, coalescing, vapor, mist eliminator

Nano: Particulate, coalescing, vapor, mist eliminator

Parker (Domnick Hunter/Airtek): Particulate, coalescing, vapor, mist eliminator

Solberg: Compressor and vacuum pump inlet filters and silencers

Zeks: Particulate, coalescing, vapor, mist eliminator



Blowers



Aerzen USA: Positive displacement, hybrid to 51 PSI

Elmo Rietschle: Regenerative: 1/2 HP - 40 HP



Fluid Cooling Systems



Nano: Process chillers

Parker (Domnick Hunter/Airtek): Process chillers

Thermal Precision: Dry coolers and towers

Thermal Transfer: Oil coolers, aftercoolers



COMPRESSED AIR SYSTEMS PRODUCTS

Air Compressors

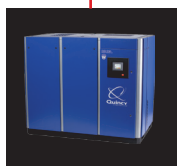


Climate Control Air Compressors

Gardner Denver: Reciprocating: $\frac{1}{2}$ HP - 25 HP

Powerex: Reciprocating: 1 HP - 15 HP

Quincy: Reciprocating: $\frac{1}{2}$ HP - 25 HP



Oil-Lubricated Air Compressors

Gardner Denver (CompAir): Rotary screw: 5-500 HP,
Reciprocating: $\frac{1}{2}$ - 30 HP

Hydrovane: Rotary vane: 2-60 HP

Quincy: Rotary screw/reciprocating: $\frac{1}{2}$ - 350 HP

Sauer Compressors USA: Reciprocating 2-4 stage high
pressure compressors and boosters 100-6000 PSIG



Oil-Free and Oil-Less Air Compressors

Gardner Denver (CompAir): Water-sealed: 20 HP - 150 HP,
Rotary screw: 100 HP - 400 HP, Reciprocating: $\frac{3}{4}$ HP - 15 HP,
Scroll: 2 HP - 40 HP

Kobelco: Rotary screw: 20 HP - 500 HP

Powerex: Super quiet scroll and reciprocating: 3 HP - 40 HP

Quincy: Scroll: 2 HP - 30 HP

Thomas: Diaphragm, rotary vane, linear, articulating piston,
WOB-L piston



Medical & Vacuum Packages (NFPA 99 Compliant)

Dekker: Liquid ring, rotary vane

Gardner Denver: Scroll

Kobelco: Rotary screw, oil-free

Powerex: Scroll, piston, rotary vane and claw

Rietschle: Rotary vane and claw



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COMPRESSED AIR SYSTEMS PRODUCTS

Air System Accessories



American Industrial Heat Transfer: Air and water cooled heat exchangers

CDI Meters, Inc.: Flowmeters

Control Devices: Drain-All, WaterHog fail-safe automatic condensate drains

Kingston: Safety relief valves and check valves

Manchester Tank: Air tanks

Motortronics: Soft starters

Nano: Oil/water separators

Parker (Domnick Hunter/Airtek): Oil/water condensate separators, air filtration

Quincy: Pressure flow controller

Samuel Pressure Vessel Group (Silvan Industries): Air tanks

Stoddard: Filters and silencers

Thermal Transfer: Air and water cooled heat exchangers

Zeks: Pressure flow controller, oil/water separators



Nitrogen Generation



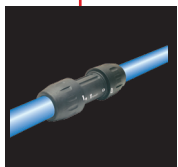
Generon: Membrane generators, PSA nitrogen generators

Nano: Membrane generators, PSA nitrogen generators

Parker (Domnick Hunter/Airtek): PSA nitrogen generators



Plant Air Piping Systems



Gardner Denver: Quick-Lock and Big-Lock aluminum piping system

Parker: Transair aluminum and stainless steel piping system

Quincy: AIRnet aluminum and stainless steel piping system



Vacuum Pumps



Dekker: Water & oil-sealed liquid ring, lubricated & dry rotary vane: 1/4 HP - 200 HP

Elmo Rietschle: Rotary vane and claw, regenerative blowers: 1/4 HP - 50 HP

Quincy: Industrial rotary screw: 7 1/2 HP - 200 HP, claw, vane

Thomas: Diaphragm, rotary vane, linear, articulating piston, WOB-L piston

