

Heat Exchangers



- Shell & Tube
- Plate & Frame
- Replacement Bundles
- Spirax Sarco EasiHeat™ Packaged Heat Exchanger System

Heat Transfer Coils



- Commercial Coils
 - Tube bundle replacements
 - Hot water
 - Chilled water
 - Steam
 - Refrigeration
- Industrial Coils
 - Hot water
 - Chilled water
 - Steam

Hot Water



- Armstrong Flo-Direct® Complete Thermal Exchange Gas Fired Water Heater
- Armstrong The Brain® Digital Re-circulating Valve with $\pm 1^\circ\text{F}$ temperature control
- Armstrong Digital-Flo® Boiler Water/Water Plate & Frame Heat Exchanger
- Armstrong Flo-Rite-Temp "Feed Forward" Steam/Water Instantaneous Water Heater
- Armstrong Emech™ Digital Control Valve

Humidification



- Armstrong 9000 series humidifier

Steam Solutions



PV Controls is the only Ohio authorized distributor to assemble Spirax Sarco Pneumatic Control Valves.



- **Boiler Controls:** Level Controls, Level Alarms, Boiler Blowdown & CCD, Bottom Blowdown
- **Control Valves:** Globe Control Valves, Linear Actuators, Positioners & Switches, Controllers, Transmitters & Sensors, Piston Actuated Valves, Quarter Turn Valves, Quarter Turn Actuators, 3-15 and 4 -20 MA, Temperature & Pressure Controllers, Sensors



- **Steam Meters:** Gilflo, ILVA, and Orifice Plates

- **Pressure Reducing Valves:** Direct, Pilot Operated, and Pneumatic

- **Condensate Pumps:** Non-Electric and Electric

- **Separators** for Steam and Air

- **Liquid Drain Traps**

- **Clean Steam Products** – Traps, Filters, and Regulators

- **Traps:** Float & Thermostatic, Inverted Bucket, Thermodynamic, Balance Pressure Thermostatic and Freeze Protection

- **Trap Stations and Manifolds**

- **Safety Relief Valves**

- **Steam Injectors**

- **Steam Surveys** and Monitoring Systems

- **Training Seminars**

Wireless Monitoring



- **Armstrong Intelligent Monitoring™**

- ST5700 Steam Trap Monitoring

- AD5000 Acoustic Monitoring

- TD5100 Temperature Monitoring

- **Wireless HART**

Solenoid Valves



- Namur Mount Solenoids 3- and 4-way

- ALL VOLTAGES

Technical Support Staff

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Instrumentation



•Gauges

- Bronze, Stainless Steel Tube, and Socket
- Liquid Filled
- Diaphragm Seals



•Thermometers

- Bi-Metal
- Alcohol Filled
- Solar
- Filled Systems



•Thermocouples

- MgO (Magnesium Oxide Insulated)Industrial Straight Base-Metal Elements
- Angle Base-Metal Elements
- Noble-Metal Platinum Elements

•Protection Tubes

- Metal-Alloy
- Special Service Composite
- Ceramic

•RTDs

- Single & Duplex Elements
- Water-Tight Assembly
- Explosion-Proof

•Thermowells

- Drilled, Flanged, Built-Up
- Standard, Heavy-Duty, Straight Shank, Limited-Space, Reduced-Tip
- Socket-Weld, Threaded, Flanged, Weld-In, Van Stone



•Temperature Transmitters: Explosion-Proof

•Flow Meters: Coriolis, Magnetic, Ultrasonic Clamp-On, Vortex, Thermal Mass Flow, Orifice, Cone, Flow Nozzle, Venturi

•Level Transmitters: Transmitters: Guided Wave, Ultrasonic, Radar, PTFE Submersible, Sludge Blanket, Pressure Based

•Pressure Transmitters: Smart Differential Pressure (DP), Explosion-Proof DP, Explosion-Proof Gauge, Smart Gauge

•Validation Systems: Tekvalsys Series (1) Tekvalsys DP, (2) Tekvalsys Gas Chromatographs

