



M.S. JACOBS & ASSOCIATES, INC.

PROCESS EQUIPMENT ENGINEERS

810 NOBLESTOWN ROAD • PITTSBURGH, PA 15205
PHONE: 412-923-2090 FAX: 412-279-4810

Representing

AALIAN (HERSEY) Niagara P.D. Meters, Batch Controllers, Turbine Meters, BTU Measurement Systems, Ramapo Target Meter.

ASHCROFT (DRESSER IND.) Pressure and Temperature Switches.

CASHCO *Pressure Regulators, Relief Valves, *Pilot Operated Regulators, Flow Control Valves - both Rotary and Globe Body Styles and Chemical/Teflon Lined Valves for Corrosive Service, Pressure, DP & Temperature Controllers.

DURAVALVE Brass and Stainless Steel Ball Valves, 3 Way Valves, Pneumatic and Electric Actuators.

EATON/HAYWARD FILTRATION PRODUCTS Metal - Simplex, Duplex, "Y" and Automatic Strainers. Metal - Filter Vessels and Filters. Plastic - Valves, Actuators, Regulators, Stopcocks, Bulkhead Fittings and Automated Products. Plastic - Flow Meters and Instrumentation. Separators.

ERDCO In Line variable Area Flow Indicators with Switches and Analog Transmitters. Insert Turbine Meter.

***FAIRCHILD** Precision Regulators, Volume Boosters, Computing Relays, I/P's - Explosion Proof and NEMA 4.

FLEXIM Ultrasonic Nonintrusive Clamp On Flow Meter for Liquids, Gases & BTU Measurement.

FLUIDIC TECHNIQUES Orifice Plates, Flanges, Venturis, Flow Nozzles and Meter Runs.

GLOBAL THERMOELECTRIC Thermoelectric generators for applications up to 5000 watts. Cathodic Protection Systems.

KAYE MACDONALD Pressure Reducing, Back, Differential Regulators.

KING INSTRUMENT Rotameter-Type Flowmeters, Acrylic, Glass, PVC, Stainless Steel, TFE and Polysulfone Tubes, Flows Down to 0.11 GPH and 0.14 SCFH.

MAGNETROL INTERNATIONAL Level Switches, Controllers and Transmitters using Floats, Displacers, Capacitance, Contact and Non-Contact Ultrasonic Technologies and Guided Wave Radar (TDR) Transmitters. Mechanical and Electronic Flow Switches. Thermal Mass Flowmeter.

ORION INSTRUMENTS - Magnetic Level Indicator with Guided Wave Radar, Twin Chamber Designs and Magnetostrictive Transmitters, and Switches.

CAMERON/NUFLO/BARTON Chart Recorders - Flow, Temp., Pressure, Turbine Meters, Electronic Flow Measurement Systems, Scanners, Transmitters, Indicators, Switches and Pneumatic Controllers, EFM/RTUs.

PRIME MEASUREMENT PRODUCTS (Formerly Barton) D.P. Indicators, Switches, Transmitters, Sealed Sensors, Pneumatic Transmitters and Controllers, Data Scan/Cryo Scan Distributed Measurement System, Tank Scan Wireless Measurement Systems, 3500 Automatic Tank Gauging.

***PENBERTHY** Ejectors, Mixing Eductors, Exhausters, Siphons, Vacuum Jets, Fluid Heaters, Liquid Level Gauges, Sight Flow Indicators, Magnetic Level Gauges and variable Area Flowmeters.

RONAN ENGINEERING Solid State and Relay Annunciator Systems, Motion Detectors, RTD and Thermocouple Alarm Systems and Lamp Cabinets. High Density Transmitters and Alarm Trips. Graphic Displays. Sequence of Events Recorders. Intrinsic Safety Barriers, P to I and I to P Transducers.

SIERRA MONITOR CORP Gas Monitoring Systems and Flame Detection Equipment.

SPECTITE Pressure and Vacuum Sealed Feed Through Fittings for Sensors, Probes, Electrodes and Wires.

THERMAL INSTRUMENT Mass Flow Meter for Liquid and Gas.

VALVE CONCEPTS Tank Blanketing, Vent, Vacuum Valves and Manifolds. Flame Arresters.

***WIKA** Pressure Gauges, Diaphragm Seals, Tronic Line Pressure Transmitters, Thermometers, Thermocouples, RTD's, Wells and Electronic Temperature Transmitting Devices.

*Indicates Products Normally Carried in Stock.

Check Us Out! www.msjacobs.com

INSTRUMENT CALIBRATION & REPAIR FACILITIES

Authorized

BARTON REPAIRS

DIAPHRAGM SEAL FILLING AND TEMPERATURE AND PRESSURE SWITCH ASSEMBLING/CALIBRATION