



## Instrumentation Products:



**Level Measurement:** Non-Contact Radar; Guided Wave Radar (GWR); Ultrasonic; Capacitance; Conductance; Magnetic Level Indicators (MLI); Mechanical; Vibration Tuning Fork; Sight Level Gauges; Transmitters & Switches.



**Flow Measurement:** Thermal Mass; Electromagnetic; Coriolis; Turbine; Positive Displacement; Ultrasonic; Differential Pressure; Variable Area; Vortex; Vane; Oval Gear; Primary Flow Elements; Sight Flow Windows; In-Line & Insertion.



**Pressure Measurement:** Smart Transmitters, Switches & Gauges; Differential Pressure; Absolute & Gauge Pressure Transmitters; Pressure Gauges; Compact Transmitters & Switches; Diaphragm Seals.



**Temperature Measurement:** Thermocouples/RTDs, Thermowells, Sensors, Customs, Sanitary, Direct/Remote, Temperature Transmitters, Switches.



**Fittings:** Tube Fittings & Pipe Fittings; Compression; Sanitary & Industrial; Stainless Steel & Exotic Materials; Single & Dual Ferrule Designs.



**Digital Displays, Controllers & Monitoring Equipment:** Panel Displays; Explosion Proof Displays; Multi-Channel Displays; Loop-Powered Meters; Temperature Controllers; Pump Control; Batch Control; Light & Horn Indicators.



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## Weighing & Force Measurement:



### **Industrial Weighing and Force Measurement Solutions:**

Load Cells; Weigh Modules; Tension Measurement & Force Transducers; Calibration & Diagnostics; Hydraulics; Instruments; Scales; Accessories. Standard & Custom Systems for Any Application.

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## Heating Products:



**Heating Products & Systems:** Highly engineered thermal solutions for process industries. Comprehensive range of solutions that addresses every essential process heating requirement. Process & Environment; Explosion-Proof Heaters; Electric & Gas Catalytic; Immersion & Tank Heaters; Panel Heaters.



## Valve Products:

**Diaphragm Valves:** Industrial, Sanitary, High Purity; Stainless, Plastic, & other materials; Manual & Control; Multi-Port Designs.

**Sanitary Valves:** Pharmaceutical; Food & Beverage

**Shutter Valves:** World's Most Compact & Efficient Control Valve; Unique, High Precision; NASA derived technology.

**Globe Valves:** Angle & Straight Seat; Stainless Steel, Bronze, & other materials.

**Ball Valves:** 1, 2, & 3 Piece Bodies; Multi-Port; Fire-Safe; Cryogenic; Severe Service; Control; Characterized Seats; V-Ball; Metal & Elastomer Seated; Tank Bottom; Steam Jacketed; Floating & Trunnion Mounted Balls. Fire Safe Valves.

**Butterfly Valves:** Resilient Seated; High Performance; Double-Off-Set; Triple Off-Set; Wafer & Lug Style; Gear Operated.

**Check Valves:** 1/4" thru 36"; Duck-Bill (self-contained, external, or internal); Swinging Gate Check; Wafer Check; In-Line or Ball.

**Severe Service Valves:** Exotic Metals; High Temps/Pressures.

**Pinch Valves:** Manual or Automated; Open-Framed or Enclosed; Pneumatic or Electric.

**Needle Valves, Metering Valves, & Solenoid Valves**

## Valve Automation Packages:

Actuators: Pneumatic & Electric; Limit Switches; Positioners; Position Indicators; Solenoid Valves; Multi-Valve Manifolds.

## Regulator Products:

Pressure & Back Pressure Reducing Valves for all applications; Gas, Liquid, Steam. Self-Contained.

## Safety Relief / Expansion Joint Products:

**Safety Relief Valves:** API, High Efficiency, Compact.

**Rupture Discs:** Rupture Discs, Explosion Vents, Sensors

**Expansion Joints:** Industrial; All Styles & Sizes



## Filtration Products:



**Liquid Filter Elements:** Depth & Pleated Filter Elements; Melt Blown & String Wound Elements; Membrane Elements; High Flow Elements; Carbon Elements; Carbon Blocks; Glass Fiber, Polypropylene, Fluoropolymers, PTFE, PFA, PES; Porous Metal, Sintered SST, Titanium; Absolute & Nominal Rated.



**Bag Filters:** Standard Mesh; Monofilament & Multifilament; Micro-Fiber, Multi-Layer; Nylon & Felts; Polyester, Polypropylene, PTFE; Welded Seam/End Caps; Pleated Bags / High Dirt Holding Bags; High Temp Bags; Oil Absorbing Bags.



**Air, Gas, Steam Filtration/Separation:** Compressed Air Filtration; Tank Vent Filters; High Purity Steam & Air; Industrial Air Panels/Box Filters; Gas Turbine Air Intake; HEPA Filters; Carbon Filters; Desiccant Dryers; Dust Collection / Bag House Filters.



**Hydraulic & Lube Oil Filtration/Conditioning:** Filter Cartridges – Particulate & Water Removal; Filter Carts, Totes, & Systems; Drum Toppers & Drum Carts; Platform/Storage Carts; Panel Filtration, Custom Designs & Lube Rooms; Membrane Dehydration; Vacuum Dehydration.



**Sanitary & Sterile Filtration:** Pharmaceutical & Semiconductor Industries; Food & Beverage Industries; FDA Approved Material; USP Class VI; NSF 61 Certified; Elements & Housings.



**High-Capacity Filtration:** Bag Filters; Hybrid Filters; High Flow Elements.

**Membrane Filtration:** Reverse Osmosis (RO); Nano-Filtration (NF); Ultra-Filtration (UF); Micro-Filtration (MF); E-Coat UF Membranes; Aqueous and Non-Aqueous applications.

**Housings / Vessels:** Bag & Element Housings; Single & Multiple Round; High Flow Designs; Industrial, Sanitary, Plastic; Simplex & Duplex Designs; Custom Skids & Systems; ASME Coded Available; Nuclear Qualified/N-Stamp.

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## Filtration & Purifications Systems:



- Reverse Osmosis (RO) Systems
- Nanofiltration (NF) & Advanced Nanofiltration (ANA) Systems
- Ultrafiltration (UF) & Microfiltration (MF) Systems
- Electrodeionization (EDI) Systems & Ultraviolet (UV) Disinfection Systems
- Membrane CIP Systems; USP / WFI Water Systems
- Fuel Gas Conditioning Systems & Oil Conditioning Systems
- Vacuum Dehydration Systems & Membrane Dehydration Systems
- Oil Removing Systems & Other Liquid Separation Systems
- Portable / Mobile / Containerized Systems
- Self-Cleaning & Back-Wash Systems
- Zero-Liquid Discharge (ZLD) Systems
- Custom Systems and Pilot Plants



## Analytical Products:

**Liquid Analytical Products:** Industrial & Municipal Markets; High Purity Water applications, Boiler Water Chemistry, Drinking Water, and more; On-Line and Portable units. Memosens digital connection and communication protocol.

**Parameters:** pH, Conductivity, Oxygen, Silica, Sodium, Turbidity, Chlorine, Iron, Lead, Hardness, Manganese, Phosphate ... everything from Aluminum to Zinc.



**SOUTHLAND SENSING**  
MEASURE. ANALYZE. CONTROL.

**Gas Analytical Products:** Wide range of Online & Portable Analyzers, Transmitters & Meters for **Trace, Percent and Purity Oxygen** analysis as well as **Hydrogen Sulfide**. Analyzers are outfitted with a comprehensive electronics package, USB flash drives and other advanced features.

**Direct Sensor Replacements:** Replacement Galvanic Fuel Cell Oxygen Sensors for all major brands – including Teledyne Analytical, GE/Panametrics, AMI, All, and more.

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## Oil Monitoring, Conditioning, & Analysis:

**LUNETTA**



**Oil Monitoring:** Sample Ports; Oil Conditioning PODs; 3D Sight Gauges; Bulls Eye Sight Glasses; Oil Level Columns.

**Oil Conditioning:** Filtration; Water Removal; Vacuum Dehydration; Membrane Dehydration; Direct Oil Filter Replacements – Pall, Parker, all Others. USA Made

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## Process Observation:

Sight Glasses, Sanitary Fittings, and Sight Flow Indicators for Process Observation.



No. 1 selling fused sight glass. A unique combination of metal and glass formulas make METAGLAS sight glasses 4.5x stronger than comparable products. METAGLAS meets stringent quality standards such as DIN 7079, DIN 7080, ASME BPE-2005, and ASTM E438, and it is approved for USP Type I use.

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## Process & Panel Skid Fabrication:



**Process Skids, Vessels & Tanks:** Turnkey; ASME Section VIII, Div.1 & 2; Certified to CSA C/US, IECEx, and CE/ATEX; EAC marked; ASME rated interconnecting piping; On-site start-up and commissioning assistance.



**Control Panels:** For any environment; Certified to CSA C/US, UL, IECEx, and CE/ATEX; EAC marked; Designs suitable for Ordinary Location, Class I, Division 1, Groups C & D, Zone 1, flameproof & purged.



**Nuclear Qualified Vessels & Skids:** Nuclear Certificated, ASME Certified, N-Stamp, ASME U & ASME UM.