

Instrumentation Products:



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.



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.



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.



Signal Conditioning: World-class Signal Conditioning Devices for the Process and Factory Automation industry. Communication Interfaces, Intrinsically Safe Barriers, Isolation Units, Transmitters, Multifunctional Devices. SIL Certified.



Gas Detection – Hazardous, Flammable, Toxic Gases: Smart Controllers, Transmitters & Alarms; Display Color Changes with Alarm Status.



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

Process Displays: Digital Displays, Pannel Meters, Loop-Powered, Programable

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

Flow Conditioning:



Flow Solutions: Flow Conditioners & Flow Straighteners

The Vortab Company manufactures flow conditioners and flow straighteners for Flow Meter, Process & Pump System applications. Extremely low pressure drops, resulting in significant energy cost savings over alternative flow conditioning technologies. No more worries over Up & Down Straight Run requirements.

Valve Products:

Control Valves: Steam, Liquid, Gases; Variable product solutions give you more flexibility, more power and more precision. For control – mixing / diverting – isolation even in harsh industrial environments.

Isolation Valves: Globe, Plug, Ball, Diaphragm, Butterfly

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

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

Ball Valves: 1, 2, & 3 Piece Bodies; Multi-Port; Cryogenic; Severe Service; Control; V-Ball; 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.

Sanitary Valves: Pharmaceutical; Food & Beverage

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



Steam Traps:

Advanced steam trap technology. Ball float, bimetallic, thermodynamic and balanced pressure steam traps.

Steam Systems:

Heat Exchange Systems, Condensate Return Systems, Pressure Reduction Stations, Flash Steam Systems, Custom Systems, Monitoring Systems.

Safety Relief Valves:

Full-Nozzle, Semi-Nozzle, Safety Relief Valves, Change-Over Valves; API 526/ASME; High Efficiency, Zero Leakage Options.

Regulator Products:

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



Conoflow®

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.

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:



UV-MIR Analytical Spectrometers for Solids, Liquids, Gases, Pastes, Gels: Configurable spectrometers span the UV-MIR range and are available with a broad range of modular sample interfaces. Interfaces may be exchanged even within a hazardous area. Nova Industrial Analytics offers cutting-edge spectral sensors for hazardous areas, enabling real-time process control and seamless lab-to-process integration.

Liquid Analytical Products: Industrial & Municipal Markets; High Purity Water applications, Boiler Water Chemistry, Drinking Water, and more; On-Line and Portable units. 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, AII, and more.

Gas Detection – Hazardous, Flammable, Toxic Gases: Smart Controllers, Transmitters & Alarms, Alarm Status Colors.

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.



Oil Monitoring, Conditioning, & Analysis:

LUNETATA



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

Industrial Dust Collection & Explosion Protection:



Dust Collectors: Pulse Jet Dust Collectors; High Vacuum, High Pressure; Compact, All-Welded; For Pneumatic Conveying, Bin Venting, Dust Control; Walk-In Plenums; Pulse Jet Cartridge Collectors, Ultra-Pleat Filters.