

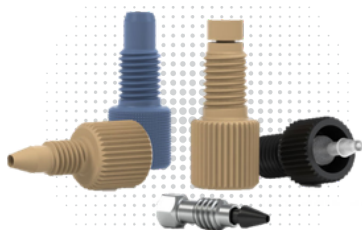


INACOM INSTRUMENTS

industrial and analytical components

Laboratory

High quality fluidic components, columns and accessories for HPLC, chromatography and laboratory fluid handling.



IDEX Fluidic components

Comprehensive range of inert fittings, tubing, filters, frits and connectors for leak free fluid paths in HPLC and laboratory systems. Available in PEEK, PTFE, stainless steel and other chemically resistant materials. Compatible with standard and high pressure connections.



HPLC columns

Analytical and preparative HPLC columns for a wide range of separation methods. Available in reversed phase, normal phase and specialty chemistries. Suitable for routine analysis and method development in pharmaceutical, food and environmental applications.



Degassers

In line membrane degassers for removal of dissolved gases from HPLC mobile phases. Prevents baseline noise, pump cavitation and retention time shifts. Compact, low dead volume. Compatible with aqueous and organic solvents.



DIBA/Omnifit Fluidic components

Inert connectors, valves, tubing and bottle caps for leak free fluid handling in chromatography and laboratory systems. Wide range of materials including PTFE, PEEK and polypropylene. Suitable for HPLC, preparative chromatography and general lab use.



EZ columns

Reusable, adjustable chromatography columns for laboratory and preparative applications. Available in standard, SolventPlus and Benchmark Microbore versions. Inert materials, easy to pack and clean, ready to use.



Bottle caps

Leak free safety caps for standard laboratory bottles. Multiple port configurations available for tubing, dip tubes and filter connections. Suitable for solvent bottles, reagent reservoirs and mobile phase containers. Materials: PP, PTFE. Compatible with GL45 and other standard bottle threads.

Inacom Instruments

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Laboratory



INACOM INSTRUMENTS

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Pumps

Precise fluid control for laboratory, OEM and industrial applications; from nanoliters to liters



Micropumps

Compact, solenoid-driven diaphragm pumps for precise fluid dispensing in OEM systems. Dispense volumes: 20–250 µl/cycle. Max. flow: 24 ml/min. Voltage: 12 or 24 VDC. Self-priming. Materials: PPS, PTFE, PEEK™, POM. Available in ported and manifold-mount configurations.



Syringe pumps

Precision pumps delivering pulse-free, reproducible flow for lab, research and OEM use. Syringe sizes: 0.5 µl–60 ml. Single- and multi-channel. Programmable multi-step profiles.



Peristaltic pumps

Tubing pumps for contamination-free fluid transfer, liquid contacts tubing only. Flow from µl/min to several l/min. Reversible. Easy tube replacement, low maintenance.



Piston pumps

High-precision volumetric OEM pumps with stable, low-pulsation flow. Designed for continuous operation in analytical, medical and pharmaceutical systems. Available in Maestro and Ultra (ceramic) series. Compatible with aggressive solvents and reagents.



ASI HPLC pumps

High-precision HPLC and UHPLC pumps for analytical, preparative and process-scale chromatography. Flow from nL/min up to 1,500 mL/min, pressures to 20,000 psi. Stainless steel, titanium or PEEK for aggressive solvents. Modbus RTU interface and private label for OEM integration.





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Valves

Precise fluid switching, isolation and control valves for every OEM, laboratory and industrial application.



Pinch valves

Solenoid-operated valves that control flow by compressing a flexible tube, no fluid contact with valve components. Ideal for sterile, aggressive or particle-containing fluids. Available in 2-way and 3-way configurations. Low dead volume. Materials: PPS, PVDF. Tubing: silicone, Tygon, PTFE.



Isolation valves

Compact inert solenoid valves for reliable on/off fluid isolation in OEM systems. No seals, no dead volume, no metal contact with fluid. Suitable for aggressive chemicals, reagents and high-purity applications. Operating voltage: 12 or 24 VDC. Materials: PTFE, PEEK™, PPS.



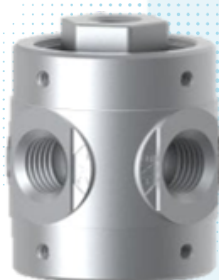
Selection valves

Multi-position valves for automated fluid selection and routing in OEM and analytical systems. Available in 2-position to multi-port configurations. Low dead volume, inert fluid path. Ideal for sample handling, reagent selection and chromatography. Materials: PTFE, PEEK™, PPS.



Solenoid valves

Electrically operated valves for fast, reliable on/off and directional fluid or gas control. Available in miniature, inert and industrial versions. Suitable for pneumatic and liquid applications. Operating voltages: 12 or 24 VDC.



Air operated valves

Pneumatically or mechanically actuated valves for reliable switching without electrical power. Includes diaphragm-poppet, quick exhaust, check and shuttle valves. Compact design, suitable for integration in pneumatic logic systems.



Flow control valves

Adjustable needle valves for precise manual flow regulation of liquids and gases. Compact in-line design, low dead volume. Suitable for laboratory and OEM applications. Available in a range of materials and port sizes for chemical compatibility.





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Flowmeters

Accurate flow measurement for gases and liquids, from simple visual indication to high-precision digital measurement and control.



VA flowmeters

Simple, robust variable area flowmeters (rotameters) for direct visual flow reading of gas or liquid — no power required. Float position in a tapered tube indicates flow rate. Available in acrylic and glass tube versions. Suitable for low to medium flow rates.



Mass Flow Meters

High-precision gas flow meters measuring true mass flow — independent of pressure and temperature. Available in MEMS, differential pressure and capillary thermal sensing principles. Ideal for analytical instruments, process control and high-purity gas applications. Analog and digital outputs available.



Mass Flow Controllers

Multi-position valves for automated fluid selection and routing in OEM and analytical systems. Available in 2-position to multi-port configurations. Low dead volume, inert fluid path. Ideal for sample handling, reagent selection and chromatography. Materials: PTFE, PEEK™, PPS.



Liquid flowmeters

Accurate flowmeters for water, chemicals and solvents in laboratory and industrial processes. Available in turbine, thermal and other sensing technologies depending on medium and accuracy requirements. Compact in-line design with analogue or digital output.



Piston Flowmeters

Reliable mechanical flowmeters for liquids at high pressures or varying viscosities. Based on a magnetically actuated piston displaced by the fluid. Single moving part, no bearings, cannot be damaged by over-ranging. Switch contact output. Suitable for lubrication, chemical injection and process monitoring.



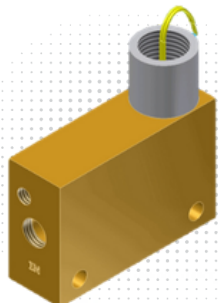


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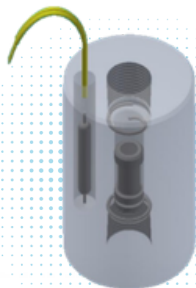
Flow monitoring

Reliable flow monitoring and safety components for protecting systems and processes against flow loss, dry running and excess flow conditions.



Adjustable flow monitor

Field adjustable flow switches for gases and liquids with a settable switching point. Compact, high resolution, close on/off differential. Suitable for pump protection, cooling circuit monitoring and OEM systems. Flow ranges for air: 0.018–130 SCFM and water: 0.004–20 GPM. Max. pressure 3000 PSIG. Materials: Brass, 316SS.



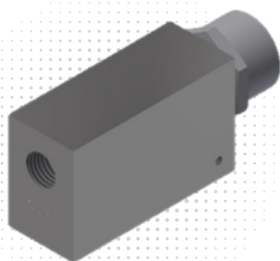
Non-adjustable flow monitor

Factory preset flow switches for reliable, maintenance free go/no-go flow detection. Visual flow indication, no seals, close on/off differential, in-line vertical plumbing. Suitable for air and water monitoring in analytical, laboratory and OEM systems. Available in Teflon®, Brass, Acrylic, Polypropylene and PVC.-



UHP flow monitor

Ultra high purity flow monitors for semiconductor gases and precision applications. No seals, internal finish to 10RA, close on/off differential, switch contact output. In-line vertical plumbing. Flow setting accuracy $\pm 10\%$, repeatability $\pm 1\%$. Materials: 316L Stainless Steel.



Excess flow valves

Automatically shut off flow when a preset excess flow rate is exceeded, protecting systems against pipe rupture, hose failure or leakage. Field adjustable, automatic or manual reset. Flow ranges for air: 0.018–130 SCFM and water: 0.004–20 GPM. Max. pressure up to 6000 PSIG. Materials: Brass, 316SS





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Pressure regulators

Reliable pressure regulation for gases and liquids in laboratory, OEM and industrial applications from standard pressure reduction to heated and high viscosity solutions.



Single stage regulators

Compact, fast responding pressure regulators for straightforward gas and liquid pressure reduction in one step. Suitable for applications with stable inlet pressure. Available in brass and stainless steel with a wide range of outlet pressure settings.



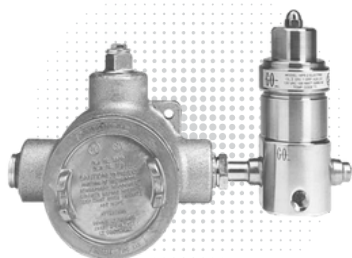
Two-stage regulators

Two stage pressure regulators deliver a more stable outlet pressure than single stage models, even when inlet pressure drops significantly. Ideal for cylinder gas supply and applications requiring constant delivery pressure.



Back pressure regulators

Maintain a constant upstream pressure by opening when a set pressure is exceeded. Used in flow control, reactor pressure management and HPLC applications. Available in diaphragm and poppet designs. Compatible with gases and liquids.



Heated regulators

Electrically heated pressure regulators that prevent condensation and ensure complete vaporization of liquefied gases or high vapour pressure fluids. Ideal for LPG, CO₂, LNG and specialty gas applications. Available in multiple heating configurations.



Steam heated back pressure regulator

Back pressure regulator with an integrated steam jacket to maintain elevated temperatures throughout the flow path. Prevents solidification and viscosity buildup in high viscosity or wax forming media. Designed for demanding industrial process applications.





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Gas conditioning

Reliable gas conditioning components for drying, humidification, cooling and filtration for accurate and stable measurements in analytical and process systems.



Nafion gas dryers

Selectively remove water vapour from gas streams without affecting other components.

Nafion® membrane technology, first order kinetic response, dew point down to -40°C . No moving parts. Flow rates up to 40 l/min.



Nafion gas humidifiers

Add precise, controlled moisture to dry gas streams. Bubble free, no aerosols or condensation. Stable, reproducible humidity output. Ideal for fuel cell testing, sensor calibration and analyser conditioning.



Hybrid gas cooler

Combines Nafion® drying with thermoelectric cooling in one unit. No purge gas required. Conditions hot, wet sample gas for direct analyser input. Compact, low maintenance. Ideal for CEMS applications.



Industrial filters

In line and housing filters for particle and contaminant removal from gas and liquid streams. Available as filter housings, disposable and inline variants. Chemical resistant materials for aggressive media.



Ammonia scrubbers

Selectively remove NH_3 from gas streams prior to analysis. Prevents analyser interference in emission monitoring. Compact, no power required, long service life. Brand: Perma Pure (AS Series).



Heated lines

Transports hot, wet sample gas from probe to analyser without condensation. Stable holding temperature up to 400°C . Flexible, cut-to-length, ready-to-use. ATEX versions available. Reliable sample integrity for CEMS.





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Industrial fittings

Robust German-engineered couplings for compressed air, gases, coolant and hygienic media. Leak-tight and durable across the full service life.



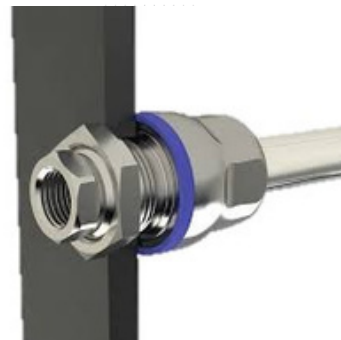
Eisele Basicline

Pneumatic couplings for compressed air, vacuum and gases. Brass and nickel-plated brass. For dry media in non-corrosive environments. The economical standard for machine and plant construction.



Eisele Inoxline

Stainless steel couplings, machined from solid. Corrosion- and acid-resistant. For aggressive media, humid or saline conditions, and regular cleaning with acid or caustic. Suited to hygiene-sensitive areas.



Eisele Cleanline

Hygienic couplings for the food-contact zone. EHEDG-compliant design, polished surfaces, FDA-conforming seals. When stainless steel alone is not enough. Ideal for food, beverage and pharmaceutical processing.



Eisele Liquidline

Coolant couplings in dezincification-resistant brass. For closed cooling circuits; laser cutters, welding robots, transformers, server racks. Where standard brass fails without warning.



Eisele Multiline

Modular multi-couplings bundling air, vacuum, coolant, fluids and electrical signals in one connection. For tools and machine parts that change often. Fewer actions, less risk of misconnection.

