

# FINE CONTROLS (UK) LTD



Fine Controls have been supplying process controls & instrumentation equipment since 1994, & now serves an ever expanding customer base, both in the UK & globally.

We offer a full range of valve & instrumentation products & services, with our product range representing leading technologies & brands:

**Flow:** Flow Meters & Transmitters, Flow Switches, Flow Control Valves & Batch Control Systems

**Temperature:** Temperature Probes & Thermowells, Temperature transmitters, Temperature Regulators & Temperature Displays

**Level:** Level Transmitters & Switches

**Pressure:** Pressure Gauges & Transmitters, Precision & High Pressure Regulators & I-P Converters, Volume boosters.

**Precision Pneumatics:** Pressure Regulators, I-P Converters, Volume Boosters, Vacuum Regulators

**Valves:** Solenoid & Pneumatic Valves, Control Valves & Positioners, Actuated Ball, Globe or Diaphragm Valves & Isolation Valves

**Services:** Repair, Calibration, Panel Build, System Design & Commissioning

A rotork® Brand  
**FAIRCHILD**



**bürkert**



**SIEMENS**



**alcon**  
SOLENOID VALVES

A rotork® Brand



**MIDLAND-ACS**  
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**Honeywell**



**Bourdon**  
Baumer Group



**SOLDO**  
CONTROLS

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product overview  
*2015*

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**FINE CONTROLS**

# About Us

From its inception in 1994 Fine Controls' mission was to provide a service that meets and excels our customers expectations. Fine Controls specialize in the supply of process control and instrumentation equipment to its ever expanding customer base. In a cost conscious world we are all looking for better response, reliable performance and the latest in technological developments from the products we use. Our product range represents the best and latest technologies in each area of our activities, our organisation likewise, is fully equipped to interpret and respond to your control requirements with the efficiency you expect.

Our commitment to customer service is an integral part of all our operations, nowhere is this more emphasised than in our investment in our inventory. At Fine Controls, our definition of 'Ex-Stock' is exactly that. We understand that availability is often the most crucial element of your enquiry, and we regularly surpass and surprise our customer's expectations with the speed of our response.

## Technical Support

We are acutely aware of our responsibility to our customers to provide full technical and logistical support to the products we supply. Our technical support team offers a wealth of experience in process control and instrumentation & provide full presale and after sale support for all our products, giving guidance in both product selection and installation as well as offering a full system design service.



## E- Commerce Website

2015 marks a new era in trading for Fine Controls, we are pleased and proud to unveil our brand new E-Commerce website. At Fine Controls we have always understood the importance of our global web presence and are eager to keep up with the continually fast paced world we live in, we are now launching our E-Commerce website. Whether you are a current account holder, regular cash buyer or completely new to Fine Controls, a large selection of products will be available from our online store, to trade and public alike.

We now offer hundreds of standard products and accessories for purchase online. For our more technical products that aren't available to purchase online, the Fine Controls sales team, as always, will only be a call or email away to discuss your application requirements in detail.

However, don't worry, we'd like to stress that we view the E-Commerce aspect as an enhancement to Fine Controls' general trading routine, therefore any products not available online are still available to purchase through our sales team via phone, email or our new live chat feature.



# Engineering Services

Fine Controls offer a variation of options when it comes to bespoke system design and manufacture. Whatever your application, from complete design and build, to simple calibrations, our technical department are fully equipped to meet your application needs.

## Bespoke System Design

As you may expect with our extensive product range, we are regularly requested to provide advice on how best to integrate many of our products into small and medium sized systems. Many of our customers are happy to let us take it further and design, build and commission bespoke systems. We have the capability and experience to supply both innovative and cost effective solutions to your complete satisfaction.



## Sub Assemblies and Small System Design & Build

Fine Controls provide a service for the manufacturing of small bespoke systems, low quantity assemblies and the assembly of sub components for main systems. From designing brackets for the mounting of valve positioners, assembling regulator manifolds, fitting chemical seals and assembling components for clients, to the full design and installation of control systems. Fine Controls are able to assist with all your requirements.



## Instrument Repair and Calibration

The repair and calibration of most instruments can be carried out either in house or if necessary we can visit you on-site. Our designated calibration and repair team provide fast response and repair times to meet any customer deadlines. All work is traceable to national standards and certifications can be supplied on request.



# Fairchild Regulators

## Precision Pressure & Back Pressure Regulators



Fairchild Precision Pressure Regulators provide a wide selection of pressure ranges and flow capacities to let you specify the model that exactly meets the needs of your control applications. Engineering and manufacturing excellence assure the sensitivity, accuracy, low output droop, drift-free settings and immunity from supply pressure variations for precision control.

The Fairchild precision back pressure regulators are designed to protect systems from over pressure, with greater accuracy than relief valves. Their extreme sensitivity and low cost make them the ideal choice where high accuracy and stability are required. Both ranges are suitable for use gases & compatible fluids, including fuel oils.

*Port Sizes: M5 to 1 1/2"*  
*Max Input Pressure: 500 psi*  
*Output Pressure Ranges: 0-0.5 psi to 0-400 psi*  
*Diaphragm Options: Buna, Viton® & Silicon*  
*Body Materials: Aluminium & Stainless Steel*

## Precision High Pressure Regulators



Fairchild's new HPD and HPP are high pressure regulators that can handle up to 6000 psig supply pressure and reduce that pressure to outputs from 0-25 psi to 0-3000 psi. The HPD/HPP are constructed of 316 stainless steel, inconel diaphragm for the HPD, making it ideal for gas or liquid service. With its rugged design and materials of construction the units are corrosion resistant and can withstand the harshest environments. These high pressure units come in eight different output ranges and two different port arrangements. Put the HPD or HPP to use in your high pressure application for reliable and worry free service.



*Port size: 1/4" CV:0.06*  
*Max Inlet Pressure :6000psi*  
*Output Ranges: 0-25Psi to 0-3000psi*  
*Body Material :316 Stainless Steel*  
*Seat material Options : Peek, CTFE & Vespel*

## Precision Vacuum Regulators



Fairchild's Model 16 and 1600A range are designed to control system pressure both above and below atmospheric, in the same unit. With port sizes from 1/4" to 3/4", coupled with Fairchild's accuracy and reliability, these vacuum regulators have found widespread approval in industries as diverse as the electronics industry to aerospace. The new Model 17 has enhanced flow and high vacuum control capabilities, whilst the new Model 18 vacuum breaker further adds to the versatility of the range.

*Port Sizes: 1/4" to 3/4"*  
*Max Input Pressure: 250 psi*  
*Flow Rates: Up to 150 SCFM*  
*Diaphragm Options: Buna & Dacron, Viton® & Silicon*  
*Output Ranges: Vacuum to 150 psi*

# Fairchild Pneumatics

## Precision I/P Converters

Designed to convert an electrical input signal to a pneumatic output signal. The Fairchild range of I/P converters provide a perfect solution for most applications. Accepting a number of electrical input signals, such as 4-20mA or 0-10Vdc, these units provide a highly stable pneumatic output which is proportional to the input signal, making an ideal solution for the automation of a control valve.

Through Fairchild Industrial Products, Fine Controls are able to offer general purpose, solid state and hazardous area I/P Converters.

*Inputs: Current and Voltage  
Output Pressure Ranges: 3-15 psi to 0-150 psi  
Certifications: ATEX, FM, CSA  
Mounting: DIN Rail, Surface, Pipe or Manifold*



## Precision Volume Boosters

Using a Fairchild pneumatic Volume Booster to control the pilot signal into actuators will provide a much faster valve response time. By connecting a proportional pneumatic input signal to a Fairchild volume booster, a higher output flow rate is achieved. This is directly proportional to the input signal, thus allowing the controlled opening or closing time of a valve to be greatly improved.

With the options for integral needle valves to control the speed of response on the valve, and a wide choice of output ratios our volume boosters provide the most extensive range on the market.

*Port Sizes: 1/4" to 1 1/2"  
Max Input Pressure: 250 psi  
Flow Rates: Up to 3000 SCFM  
Diaphragm Options: Buna, Viton® & Silicon  
Ratios: 5:1 to 1:6*



## Precision Relays

This extensive line of Fairchild Pneumatic Relays serve a multitude of pneumatic control applications: positive biasing, positive and negative biasing, infinitely adjustable ratio, reversing, averaging and computing, high and low pressure selectors, high and low pressure limiting, and other options are available for these pneumatic relays.

Our range of precision computing relays are used to solve applications in pneumatic circuits such as addition, subtraction, multiplication and division.

*Biasing Relays  
High & Low Signal Selectors  
Snap Acting Relays  
Reversing Relays & Adjustable Ratio Relays*



# Burkert Solenoid Valves & Modular Pneumatics

## Solenoid Valves

As the Premier Partner to Burkert Fluid Controls we supply one of the most extensive ranges of solenoid valves available, offering a wide range of ON/OFF and proportional solenoid valves to fulfill all of your application requirements. Attention to detail and quality has made Burkert the leader in solenoid valve manufacturing, with the quality and service that has been proven for over 60 years.

The Burkert range of general purpose Solenoid Valves includes valves manufactured in stainless steel, brass, PVC and PVDF and makes them suitable for most applications in today's industries. Burkert also manufacture a wide selection of valves for scientific and high tech applications with bodies and seals in high corrosion resistant materials.

*Pressure Ranges: Vacuum - 250 Bar*

*Sizes: M5 - DN 65*

*Body Materials: Brass, Stainless Steel, PVC, PVDF, Cast Iron*

*Voltages: 12VDC, 24VDC, 24/50, 110/250, 240/50, 415/50*

*Functions: 2/2, 3/2, 4/2, 5/2*

*Safe & Hazardous Area Duty: ATEX & FM*



## Modular Pneumatics

Burkert offer the complete solution for pneumatic solenoid valve systems, with modular designs for easy manifold mounting in multiple valve applications. These valve manifolds are designed to operate a number of varying valve functions all on the same manifold assembly with a common air supply. These systems are ideal for panel mounting or when variable/multiple signals are required.

With options for common wiring, safe & hazardous area classifications and Profibus applications, these pneumatic systems offer an excellent choice for the control of pneumatically actuated valves and systems.

To fully integrate your pneumatic valves with your PLC control system Burkert offers their unique Airline system which allows for the combination of valves & digital I/O modules to be added directly to the manifold blocks, for use in both safe and hazardous area applications. The Airline systems are designed to work directly with Siemens, Wago, Allen Bradley, Rockwell and Phoenix PLC systems and provide an easy to install and space saving solution.

*Functions 3/2-, 5/2- monostable-, 5/2- bistable-, 5/3-way*

*Digital I/O modules*

*Safe & Hazardous Area Duty: ATEX & FM*

*Pressure range from vacuum to 145 PS*



# Burkert Process Valves & Flow Sensors



## Process Valves

The process control valve and actuator range of products from Burkert are ideal for a varied scope of applications. With a wide choice in valve technologies offering Piston, Globe, Diaphragm, Butterfly & ball valves, in a selection of body & seat materials, with either on/off actuators or proportional control positioners.

Burkert's angle seat piston and globe valves have an excellent reputation for high quality and long service on applications with higher temperature and high flow rate demands. For Hygienic or aggressive applications Burkert offer an extensive range of diaphragm valves with piston actuators or manual operation in a choice of stainless steel or plastic bodies.

When precise flow control is required the Burkert proportional control globe valves can be accurately sized and fitted with the best seat size for your application. With a choice of Side or Top mount positioners and controllers with integral PID, for safe, Hazardous and hygienic applications.

To complement our range of process valves Burkert offer a complete range of actuators, switch boxes and electro-pneumatic positioners that are ideal for mounting to Burkert's or any other valve manufacturers products via a selection of adapter kits.

*Valve Technologies - Piston, Globe, Ball, Diaphragm & Butterfly  
Sizes - DN4 - DN100  
Body Materials - Bronze, Stainless steel, PCV, PVDF, PP  
Seal Materials- PTFE, ST/ST, EPDM & Viton  
Pressure - Vacuum - 200Bar*



## Instrumentation & Analytics

The Burkert range of instrumentation and analytical sensors are ideally suited for applications in medium to light industries where high accuracy and reliability are required, with Burkert offering a range of products that provide a compact, attractive and cost effective solution. This complete range of sensors and transmitters includes devices for measuring Flow, Pressure, Temperature, Level & Analytical Sensor PH, Redox & Conductivity, all using the latest technologies to provide fast and reliable measurements.

The Element range of sensors and valves from Burkert are specifically designed for hygienic/clean area and corrosive environment applications, with stainless steel enclosures and a high IP rating, making them suitable for use in applications where chemical wash down is required.

To complement this extensive range of sensors Burkert provide a range of multifunction controllers which allow multiple device inputs to be sent to a neat and cost effective solution which can be wall or panel mounted for used in water quality control, chemical dosing, batch control and a wide number of other application.



*Flow Transmitters & Switches: Turbine, Electromagnetic, Oval Gear & Thermal Mass  
Level: Ultra Sonic & Radar Transmitters  
Temperature Transmitters & Switches: PT100 Probes & Controllers  
Pressure: Switches & Transmitters & Controllers  
Analytical: PH, Redox, & Conductivity Transmitters and Controllers  
Controllers: Multifunction wall or panel mounted.*



# Siemens Flow, Temperature & Positioners

## Flow Solutions

Siemens offers a comprehensive selection of Electromagnetic, Coriolis, Ultrasonic, Vortex, VA and Differential Pressure Flow meters suitable for measuring a variety of Liquids and Gases.

**Electromagnetic** Flow meters suitable for measuring the flow of almost all electrically conducting liquids, pastes and slurries. Suitable for all media with a minimum conductivity of 5  $\mu\text{S}/\text{cm}$ . Sensor sizes from DN 2 to DN 2000, a choice of liner and electrode materials and transmitters for remote or compact mounting.

*Line Sizes: DN 2 - DN 2000*

*Process Connections: Weld In, Clamp On, Threaded, Flanged & Hygienic*

*Liner Materials: PFA, Ceramic, Neoprene, EPDM, PTFE, Linatex*

*Electrode Materials: Hastelloy, Platinum, Tantalum*



**Coriolis Mass** Flow meters are suitable for the measurement of liquids and gases. The measurement is independent of changes in process conditions/parameters such as temperature, flow profile, density, viscosity, pressure and conductivity. Siemens Coriolis meters are recognised for their versatility and high accuracy with a wide turn down range.

*Line Sizes: DN 1.5 - DN 150*

*Process Connections: Weld In, Hygienic, Threaded & Flanged*

*Pressure Ranges: PN 16 - PN 410*

*Sensor Pipe Materials: Hastelloy & Stainless Steel*



**Ultrasonic** Flow meters are offered in two variations, in-line and clamp-on. Both types of flowmeter measure the flow of electrically conductive and nonconductive liquids & gases.

*Line Sizes: DN50 - DN 4000*

*Flange Norms: EN 1092-1(PN10-40), ANSI B16.5 (Class 150 & 300), Weld-In Pipe & Flange Materials: Carbon Steel & Stainless Steel*

*Channels & Beams: Single channel, Dual channel/beam, Four channel/beam*

*Approvals: FM/CSA, ATEX & Special ATEX EEx m*



ATEX Ex



**Vortex** Flow meters product program consists of two types of flow meter, a flanged and a sandwich version. The FX300 vortex flowmeter is available in a compact or remote version.

*Nominal size flanged version DN15 to DN300. Sandwich version DN15 to DN100.*

*Sensor Material 1.4404/316L, Hastelloy C22 (on request)*

*Approval ATEX II 2G EEx d ia [ia] IIC T6 FM Class I, II, III Div. 1 & 2*



## Temperature Transmitters

Temperature Transmitters for DIN rail, in-head and field mounting are all available from Siemens. The SITRANS T product family offers solutions for high & low temperatures and hazardous areas, from simple to intelligent applications and devices with Fieldbus Communication. Both PT100 and Thermocouple temperature sensors are available for all process industries with a variety of process connections, thermowell and insert versions. Full material, Hydrostatic pressure testing, Helium leak testing, Comparative test, Dye penetration and as per EN 10204-3.2 Certification are all available.

*Input: PT100 or Thermocouple*

*Output: 4 - 20 mA*

*Sensor Temperatures: -196 - 1100°C*

*Communications: HART, PROFIBUS PA, FOUNDATION Fieldbus PA*

## Intelligent Positioners

The Siemens SIPART PS2 is the market leader in electro-pneumatic position controllers. Simple operation is guaranteed, either on-site with push buttons and display or with an optional additional communication program SIMATIC PDM via HART interface, PROFIBUS PA or a Foundation Fieldbus protocol.

Siemens' PS2 positioner is the most frequently used intelligent positioner for linear and rotary valves, double and single-acting actuators.

*Along with kits for mounting to most manufacturers valves, the PS2's features include:*

- Linear or Rotary actuators
- Single or double acting
- EEx ia, EEx ed or Safe Area Duty



ATEX Ex

# Siemens Pressure & Level

## Pressure Transmitters

The SITRANS P range comprises of a complete range of instruments for measuring gauge, differential and absolute pressure. In addition to high measuring precision, robustness and ease-of-use the Sitrans P comply with industry standards and international certifications.

**Transmitters for Gauge/Absolute Pressure.** The DS III series is designed for high accuracy or heavy duty industrial applications and offer a 100/1 turn down along with a host of other options. The P300 range is designed specifically for Food, Pharmaceutical and Biotechnology industries and satisfy EHEDG and 3A hygiene requirements.

*Pressure Ranges: 0-600 BAR*  
*Outputs: 4-20 mA, HART, PROFIBUS PA, FOUNDATION Fieldbus*  
*Wetted Materials: Brass, Stainless Steel, Hastelloy, Monel, Tantalum or Gold*  
*Temperatures: -30°C to +250°C*

The P200, P210 and P220 are compact single-range-transmitters for measurement of absolute and gauge pressure of liquid, gases and vapours. Available with two different kinds of pressure sensors: two stainless steel sensors and one ceramic sensor. Outputs 4...20-mA- or 0...10-V-signal.

*Measuring range: P200: 1 bar to 60 bar gauge 0,6 bar to 16 bar absolute*  
*P210: 100 mbar to 600 mbar gauge*  
*P220: 2,5 bar to 600 bar gauge*

When selecting a **Differential Pressure Transmitter** the Siemens DS III or P500 digital pressure transmitters are the ideal solution. Various versions of the DS III are available for measuring gauge, absolute, differential pressure, hydrostatic level, volume, level and flow. The P500 range are high performance transmitters offering high accuracy, long term stability and suitable for SIL 2 circuits. Programming can be performed by using control keys, over HART communication, PROFIBUS PA or FOUNDATION Fieldbus interface.

*Wetted Part Materials: Stainless Steel, Hastelloy, Tantalum, Monel & Gold*  
*Process Connections: Female thread 1/4 - 18" NPT with flange option*  
*Displays: Without indicator or Hidden or Visible digital indicator*

The SITRANS P250 is a compact single range transmitter for measuring differential pressure. The differential pressure will be detected with a ceramic sensor and transformed into an output signal of 4-20-mA- resp. 0-5-V- resp. 0-10-V.

*Measuring range: 0 - 100 mbar (0 - 40 inchH2O) to 0 - 25 bar (0 - 363 psi)*  
*Accuracy:  $\leq 1\%$*   
*Long-term stability:  $\leq 0.5\%$  / 12 months*



## Level Measurement

Siemens level measurement instruments provide a vast array of solutions from Point Level Detection to Continuous Level Measurement including Radar, GWR and Ultrasonic technologies.

The Siemens range of **Point Level Measurement** devices includes, tuning forks, capacitance, electro-mechanical and ultrasonic switches. Whether you require a unit for bulk solids, liquids or slurries, these switches are suitable for a variety of applications.

*Connections: 3/4" NPT - 1 1/2" NPT, R3/4" - R2", G3/4" - G/2"*  
*Flange Options: DN 50 - DN 125*  
*Probe Lengths: 40 mm - 25000 mm*  
*Approvals: ATEX, CSA/FM, EEx ia, EEx d*  
*Temperatures: Up to 350°C*  
*Power Supplies: 24 VDC, 24 VAC, 230 VAC, 115 VAC*

**Siemens Continuous Level Transmitters** including Radar, Guided Wave Radar, Ultrasonic and Capacitance cover applications for Liquids, Slurries or Bulk Solids. Siemens best-in-class level measurement devices set the standard in their respective disciplines for water, cement, mining, chemical, petrochemicals, food, beverage, pharmaceutical and other industries.

*Connections: 3/4" to 2" screwed, 1" to 6" flanged.*  
*Measuring Range: 0.3m -100m*  
*Wires: 2-wire or 4-wire*  
*Communication: 4-20mA HART, PROFIBUS PA or FOUNDATION Fieldbus*  
*Approvals: ATEX, CSA/FM, EEx ia, EEx d*  
*Temperature: -196°C - +450°C*



# Midland Stainless Steel Pneumatics

## Regulators, Filter Regulators & Lubricators

Midland's high quality stainless steel **Regulators** are suitable for the pressure control of gases, air, sweet and sour gases and compatible liquids. With a rolling diaphragm for precise control and high flow characteristics, the 3550 and 3500 series accept a 20bar inlet pressure with options for 40bar rated versions and have a wide choice of spring outlet ranges.

Ports: 1/4", 1/2", 3/4", 1"  
Gauge Ports: 1/8" & 1/4" NPT  
Relief/Vent Port: 1/8" NPT  
Maximum Inlet Pressure: 20 bar (290 psi)  
Regulated Pressure: 0.50 to 2 bar to 0.50 to 12 bar

The Midland-ACS range of **Filter Regulators** are manufactured to a high standard in 316 Stainless Steel and conform to NACE MR-0175, making this unit ideal for off shore oil & gas duties as well as being widely used through out the pharmaceutical and food & beverage industries.

Ports: 1/4", 1/2", 3/4"  
Gauge Ports: 1/8" NPT  
Relief/Vent Port: 1/8" NPT  
Working Temperature: -20°C to +80°C  
Maximum Inlet Pressure: Manual drain - 20 bar Automatic drain - 17 bar  
Regulated Pressure: 0.50 to 2 bar to 0.50 to 12 bar

To complement this extensive range of stainless steel air preparation devices, Midland offer a **Lubricator** for applications that require lubricated compressed air. The unit features a built in flow sensor to adjust oil supply to meet air flow demand and transparent acrylic sight glass to indicate oil levels.

Ports: 1/2" NPT  
Working Temperature: -20°C to +80°C  
Working Pressure: 17 bar  
Capacity: 380cc



## Spool & Poppet Valves

Designed for use in both safe and hazardous area applications our range of Spool & Poppet operated valves are manufactured in 316 Stainless Steel with fluoroelastomer seals making them suitable for use in gas and liquid applications and ideal for use in corrosive applications. Available in both 3/2 and 5/2 functions with a choice of solenoid, manual or air pilot operating signals.

Midland Pneumatics offers a wide selection of valves to NACE standards making them suitable for off shore applications. Built with a rugged and durable design these valves provide many years of trouble free service even under the most extreme conditions, making them ideal for critical applications, particularly in heavy industries.

This extensive range of Stainless Steel valves is manufactured in sizes from 1/4" to 1 1/2" with BSP or NPT connections. Designed for high flow applications and suitable for use on most gases including sweet gas (with sour gas option) and some liquids and with a choice of pilot operations and many options for manual operation, Midland provide a selection of valves that will complete your stainless steel pneumatic application requirements.

The solenoid operated valves can be supplied complete with hazardous area coils and EExed, EExm or EExia certification's in a choice of aluminium or stainless Steel enclosures with ATEX, FM or CSA approvals.

Ports: 1/4" - 1-1/2" NPT, 1/4" NPT pilot ports  
Working Pressure: 3 to 12 bar  
Working Temperature: Valve only version -20°C to +180°C Solenoid Version -20°C to +65°C  
Low temperature version: -50°C



# Midland Stainless Steel Pneumatics

## Midland Ancillaries

To complement the Midland Pneumatics range of products, Midland offers a choice of ancillary products to complete your stainless steel system design.

Midland offer thermal fuses manufactured in a selection of working temperatures up to 200°C and are designed to release at sensing beyond that temperature. Our Visual indicators can operate on gases or liquids and have choice of colour changes for your selection.

Designed in 316 stainless steel N.R.V breathers prevent the ingress of contaminants in to exhaust port or vents and standard silencers in stainless steel are manufactured up to 1" to protect the port from ingress and dampen the exhaust flow of air. We also offer stainless steel Bug Screens in 1/8" or 1/4".

Our stainless steel non-return valves are available in two max pressure ranges, 12bar or 25bar, and are suitable for use on gas or liquid applications. In sizes from 1/4" to 1" these NACE approved valves have a minimum operating pressure of 0.2bar and are designed for a temperature range of - 50°C up to +70°C.

Exhaust port flow regulators are manufactured to NACE MR-01-75 and are fitted with a tamperproof cap and built in silencer.

Our needle valve ranges offer a choice of 3mm or 6mm orifice for more precise control of your application.



## Midland ACS

### Hydraulic Solenoid Valves

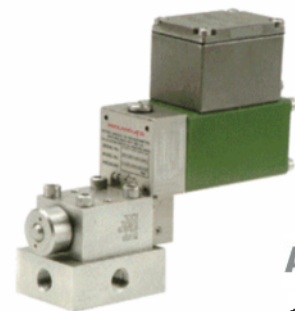
Midland-ACS Manufacture valves and manifold systems in 316 stainless Steel for hydraulic applications, predominantly in the Oil and gas service industries. These high pressure valves are designed for severe and hazardous area applications and have been in service for many years, proving their durability even in the harshest of environments.

Able to deal with pressures up to 1140 bar we offer a choice of valve orifices in sizes from DN2 – DN10, using ball seated, metal to metal or cartridge inserted valve technologies in single or manifold mounted valves. These options allow you to select the correct valve for your hydraulic stainless steel system.

Midland-ACS specialise in manufacturing bespoke manifold systems with size, weight, ease of installation and cost as key factors in the design of your bespoke system. The engineering team at Midland-ACS have many years experience in designing systems for the off-shore oil and gas industry and are able to use this experience to design the ideal system for your application.

As well as offering hydraulic valves and manifolds through Midland ACS we are able to provide a range of electro-hydraulic actuation equipment including hydraulic actuators, valve positioners, solenoid valves and hydraulic control cabinets.

Hydraulic valves: DN3 – DN10  
Pressures: Up to 1140 bar  
Hazardous Area Applications: ATEX, UL, CSA, GOST  
Body Materials: 316 Stainless steel



## Fire Protection Equipment

Landon Kingsway provides a full product portfolio of Fire Protection Equipment and Hazardous Gas Detection equipment. Manufactured in the UK since the 1960's, Landon Kingsway are based in the West Midlands and have an outstanding reputation in the Fire Protection Equipment and Hazardous Gas Detection Equipment markets around the Globe.

Landon Kingsway manufactures robust and durable equipment for boiler house and plant rooms and this UK based company has full compliance to all UK and European Standards. Priding it's self on providing innovative products for all industrial and commercial buildings, either in individual components or as a full operating system. Landon Kingsway offer an extensive range of products for applications including the prevention of oil tank overfill with the Filguard products, fire detection and isolation valves with the free fall fire valves and thermal fuses, and gas leak detection systems with their gas proving systems and gas leak detectors.

To complement the Landon Kingsway oil fill systems we offer a range of level sensors using hydrostatic level gauges and sensors, from which signals can be sent direct to a choice of control cabinets also manufactured by Landon Kingsway.

*Free Fall Fire Valves: 1/2" - 6" sizes*  
*Oil Fill Point Cabinets: Single, Dual or Triple*  
*Gas Leak Sensors: Natural Gas, LPG or Carbon Monoxide*  
*Dry Riser cabinets: Standard aluminum painted RED or Stainless Steel*  
*Thermal Fuses: Fusible links & Electro Thermal Links*



## Alcon Solenoid Valves

### Alcon Solenoid Valves



The British manufactured Alcon solenoid valves have been designed and manufactured for over 50 years from their offices in the West Midlands in the UK and predominantly specialise in valves for the building service industries. With a full and extensive range of gas valves approved to EN161, Water valves with WRAS approval and Fuel shut off and safety valves to EN264 Alcon are able to offer a complete solution to your heating and building service applications.

For Hazardous area applications Alcon offer a range of Exd, Exm & Exia Certified valves solenoid valves to ATEX, CSA & IECEX standards with Brass or Stainless steel bodies in Sizes from 1/8" to 3". The hazardous area valves are available with a full stainless steel design including the solenoid enclosure making them ideal for off shore and corrosive environments.

For safety systems Alcon offer the FACHL and ACHL range of valves with a manual reset operation and no voltage release safety function in sizes up to 10" for low pressure gas and fuel oil systems.



To complement the Alcon range of build services valves they also manufacture pilot solenoid valves for air operated actuators and cryogenic service valves for low temperature applications, all available for safe or hazardous area applications.

*Sizes: 1/8" to 10"*  
*Pressure range: Vacuum – 100 bar*  
*Approvals: EN161, EN264, WRAS, ATEX, CSA & IECEX*  
*Body Materials: Brass or Stainless Steel*  
*Seal Choices: Viton, Buna, PTFE or EPDM*



# Jordan Valve Control Valves & Pressure Regulators



## Control Valves

### Sliding Gate Control Valves

We offer Sliding Gate pneumatic and electric process control valves featuring very high turndown ratios, extremely long seat life, compact valve/actuator sizes, ease of maintenance and fast delivery.

### High Pressure Control Valves

Pressure up to 6000 psi (414 bar) for the most demanding applications. Constructions include angle pattern (to 1"), bellows sealed, cryogenic extensions, high temperature bonnets, double packing designs and more. Ideal for test benches, chemical injection skids, pilot plants, process control, high pressure.

### Low Flow Control Valves

Micro flow trim with Cv ratings from 0.00001 to 4.0. Available in 1/4" - 3/4" sizes in carbon steel, stainless steel, many alloy materials and plastics, our Low Flow valves are designed for precision control of steam, gases and chemicals in pilot plants, research facilities, (petro)chemical plants and OEM machines.

### Globe/Cage Guided Control Valves

Globe/cage style valves for ANSI Class VI shutoff up to 6" (DN150) in size. Jordan Valve manufactures globe and cage style control valves in a variety of materials from carbon and stainless steel to alloys and even PVC and PVDF.

## Pressure Regulators

With their unique Sliding Gate technology, Jordan Valve **Regulators** provide precision performance with minimal droop and excellent turndown. Direct acting, air loaded and piloted regulators are all available from Fine Controls. Greater accuracy, lower offset and larger diaphragms are all features that enhance the Jordan Valve range of pressure regulators. Robust and long lasting, these regulators are suitable for the harshest environments and aggressive media. A wide selection of CV choices ensures the best accuracy and lowest droop.

*Line Sizes: DN 8 - DN 150*

*End Connections: Threaded, ANSI & DIN Flanges*

*Body Materials: Ductile Iron, Bronze, Carbon Steel, Stainless Steel*

Used for gas or liquid services with setpoints up to 3000 psi (207 bar), Jordan Valve **High Pressure Regulators** are made from solid barstock materials and are installed in applications ranging from product sampling, test stands, clean filtered gases to high pressure compressors or pumps.

*Line Sizes: 1/4" to 3/4"*

*End Connections: Threaded*

*Body Materials: Brass or 316L Stainless Steel*

*Outlet Pressure Ranges: 0-10 psi up to 10-750 psi*

**Back Pressure Regulators** from Jordan Valve are perfect for applications where a regulated upstream pressure at a predetermined set point is required. Their fast response time, straight through flow, quiet operation and minimum maintenance requirements aid in making these units attain a longer service life.

*Line Sizes: DN 8 - DN 150*

*End Connections: Threaded, ANSI & DIN Flanges*

*Body Materials: Ductile Iron, Bronze, Carbon Steel, Stainless Steel*



## Baumer Group

The Baumer Group is a leading company at international level in the development and production of gauges, sensors & measuring instruments.

The Baumer range of **Pressure Gauges** offers high quality instruments for the measuring and monitoring of absolute, relative, vacuum & differential pressures. With gauge sizes from 40mm to 250mm and in a wide choice of materials we are able to offer the ideal unit for all your applications.

**Chemical Seals** are designed for industrial, food processing & pharmaceutical applications. Mounted directly or remotely to a pressure gauge or transmitter they enable pressure measurement in various tough conditions where aggressive, viscous or crystallizing medias are being used. Baumer offer a wide range of seals including overpressure limiting seals, probe chemical seals, hygienic seals etc.



# Status Instruments

## Status Instruments

Status Instruments, founded in 1982, has been designing and manufacturing products for the process industry over the last 3 decades.

Their product line includes:

- Signal Conditioners/Transmitters
- Temperature Probes
- RH/Dewpoint Transmitters
- Isolators
- Digital Indicators
- Alarms
- Power Supplies
- Data Loggers

**Temperature Probes** & sensors can be supplied in a variety of styles and configurations, utilising thermocouple or thermistor elements as an alternative to Pt100 elements. Probe types can have a head thread suitable for various connection heads. A wide choice of thermowells are also available.



# Global Presence

At Fine Controls we have a dedicated Export Department which is fully equipped to handle European and International enquiries and purchases. This division of our company has grown considerably, largely due to the service, pricing and commitment our customers receive. With substantial experience in inter-continental trading, we are confident in providing an effective, first class service to customers across the globe. We believe our continued involvement in overseas trade will facilitate growth in this department for years to come.

Fine Controls is the largest European stockist of the Fairchild product range and we carry a wide and varied selection of instruments on an Ex-Stock basis. With over 20 years of experience in dealing with foreign freight services and conditions we are confident in offering competitive carriage rates worldwide. After-sales and technical support is offered on all products to international customers.

If you have an export enquiry, please feel free to contact our sales office via the following methods:

Tel: + 44 (0) 151 343 9966

Fax: + 44 (0) 151 343 0062

Email: [exportsales@finecontrols.com](mailto:exportsales@finecontrols.com)

LiveChat is available through our website during office hours at [www.finecontrols.co.uk](http://www.finecontrols.co.uk)



## Our Trusted Suppliers







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