



**Application Solutions  
from Choice**

## About Us

KC Controls provides measurement and control instrumentation, along with fittings, filters, panels and a full range of accessories to fulfil a wide range of process applications.

Providing solutions for over a quarter of century, our wealth of application knowledge enables us to supply solutions to a variety of industries including Oil & Gas, Petrochemical, Water & Waste, Food, Brewing and Pharmaceuticals.

Founded in 1986, we pride ourselves on providing high quality products alongside great customer service and this ethos has allowed KC to become a significant part of our customers supply chain.

## Suppliers to:



Plus many more large and small companies

## Our Partners



Officially partnering ABB, KC Controls provides you with the best solutions from the greatest choice of instrumentation products brought to you by people with the finest knowledge. We combine our knowledge with ABB's power and automation technologies to enable utility and industry customers to improve their performance and lower their environmental impact.



Parker Hannifin is the world's leading diversified manufacturer of motion and control technologies, providing precision-engineered solutions for a wide variety of commercial, mobile, industrial and aerospace markets. KC Controls selects the best Parker has to offer and delivers it to you packaged with great application, precise engineering and excellent customer care.



KC Controls offers the best selection of products from Richards Industries six product lines: Jordan Valve, LowFlow Valve, Marwin Valve, Hex Valve, Bestobell Steam and Steriflow Valve. As a leading provider of industrial valves for the chemical, petrochemical, pharmaceutical and food processing industries, our selection of Richard Industries products is second to none.



Flexim provides process instrumentation solutions focused on non-intrusive flow measurement and inline process analysis. KC Control's offering of cutting edge engineering, high quality ultrasonic flowmeters and innovative process analysis ensures that the solutions provided are the best in the industry.



KC Controls and Micromod focus on customised, fast and accurate engineering. We offer the application solutions you need combined with expertise spanning many industries including industrial and institutional boilers, water and wastewater treatment, food processing and specialty chemicals.



KC Controls pools the performance and functionality of Mutec's innovative ideas and products to offer high quality, complex solutions that reflect our commitment to the maximum product quality. All of our product offering complies with the strictest criteria and has been optimised for performance and functionality.



Used in wastewater treatment facilities, biotech and pharmaceutical labs, medical applications, semiconductor facilities, refineries, power generation plants and many more; KC Controls selects Ashcroft products that are the benchmark in pressure and temperature measurement.



KC Controls and Hycontrol deliver a unique flexible design approach unequalled by many of our competitors. Hycontrol's extensive range of level technologies includes everything from a simple float to a dual output multi-interface level sonar detector and this variety enables KC Controls to offer a unique and extensive solution to your application problems.



Specialising in precision high pressure valves, fittings and fluid control devices, IPT and KC Controls offer a complete range of quality and reliable products to meet your application requirements. From raw material selection to engineering, IPT's precision machining offers the highest possible quality in the most efficient manner possible.

# Our products

## Analytical - Liquids

pH, Conductivity & Dissolved Oxygen  
Sensors & Transmitters  
Turbidity - In-line & On-line  
Dissolved Organics  
Combustion Gas Analysers  
Water Analysers  
Actuators & Positioners



## Controllers & Recorders

Electronic Recorders & Controllers  
Pneumatic Recorders & Controllers  
Field Mounted Controllers & Recorders  
Field & Panel Mounted Indicators



## Filtration Portfolio

Gas & Sample Filters  
Process Filters  
Instrumentation Filters



## Fittings Portfolio

A-Lok  
CPI  
MPI  
Phastite Tube Connectors  
Instrument Pipe & ISO Conversion  
UltraSeal  
VacuSeal Fittings  
Welded Fittings  
PFA Tube Fittings  
Cylinder Connections



## Flow

Primary Flow  
Integral Orifice  
Electromagnetic Series  
Vortex & Swirl  
Variable Area Flow Meters  
Coriolis, Thermal, Solids & Powder Mass  
Communication & Configuration Products  
Clamp-on Ultrasonic  
Flow Computers



## Analytical - Gas

CGA System Solutions  
Gas Analysers



## Hose, Tubing & Tube Accessories

ThermoPlastic Tubing  
Instrumentation Tubing  
Stainless Steel Tubing  
PFA & PTFE Tubing  
Heat Trace and Multitube  
Tube Clamps  
Tube Fabrication Equipment  
Push-Lok  
Quick Couplings



## Level

Radar  
Ultrasonic  
Capacitance  
Differential Pressure  
Displacer & Displacer Replacement  
Level Gauges  
Level Switches



## Pressure

Absolute Transmitters  
Differential Transmitters  
Gauge Transmitters  
Multivariable Transmitters  
Pneumatic Transmitters  
Measurement Accessories  
Remote Seals  
Safety-Critical Transmitters



## Temperature

Process Industry Head Thermometers  
Sanitary Application Thermometers  
Temperature Sensor Accessories  
Head Mounted Temperature Transmitters  
Rail Mounted Temperature Transmitters  
High Temperature Thermometers  
Cable Thermometers & Compact Thermometers  
Infra-Red Measurement Devices  
Field Mounted Temperature Transmitters  
Temperature Cable & Wires



## Valves Portfolio

Regulators  
Control Valves  
Globe & Cage Guided Control Valves  
Tank Blanketing Regulators  
Temperature Control Valves  
Globe Style Regulators  
Valve Positioners  
DBB - Probloc & MonoFlange



## Analytical - Liquids

KC Controls partners market leader ABB to offer a full range of in-line analysers for measurement of pH, redox, conductivity and a host of other application solutions. This partnership enables us to provide the best solutions from the greatest choice of products brought to you by people with the finest knowledge.

With this portfolio KC Controls assists in solving applications in many processes from brewing to chemical production and oil refining to effluent treatments.

- pH, Conductivity & Dissolved Oxygen
- Sensors & Transmitters
- Turbidity - In-line & On-line
- Dissolved Organics
- Combustion Gas Analysers
- Water Analysers
- Actuators & Positioners

**ABB**



## Controllers & Recorders

Our Controllers & Recorders portfolio has been carefully selected to encompass high quality products that meet a host of applications; from chart recorders to panel mounted indicators and controllers, we've selected the best range to suit your needs.

The range includes chart recorders, digital indicators, process recorders and process control products; all of which share the same high standards of reliability, flexibility and are capable of withstanding the harshest of process environments.

- Recorders & Data Loggers
- Controllers
- Indicators

**ABB**



**“Process Refinement  
by Analysis.”**

**“Measurements Coupled  
to your Process.”**

## Filtration

KC Control's extensive Filtration portfolio has been chosen to guarantee a high quality standard of products that solve a host of applications and answer a variety of problems.

Parker Hannifin offers more filter types, configurations and filter solutions than any other company. KC Controls and Parker collaborate with customers at the earliest stages of design to develop optimum filter system solutions.

The filter systems we offer are critical to almost every industry, on every continent, including life sciences, transportation and mobile equipment, industrial and plant equipment, food and beverage, marine and power generation and the process industries.

- Gas & Sample Filters
- Process Filters
- Instrumentation Filters



## Fittings

KC Controls offers Parker Hannifin's selection of instrumentation fittings to ensure our solutions are second to none.

Designed as leak-free connections for process, power and oil and gas instrumentation applications handling liquids, gasses and chemicals; KC Controls and Parker's fittings are manufactured to the highest quality standards and are available in a broad range of sizes, materials and configurations.

- A-Lok
- CPI
- MPI
- Phastite Tube Connectors
- Instrument Pipe & ISO Conversion
- UltraSeal
- VacuSeal Fittings
- Welded Fittings
- PFA Tube Fittings
- Cylinder Connections
- MP & HP Cone and Thread Fittings

For medium to high pressure fittings, KC Controls offers IPT's range for pressures of 20,000 to 60,000 psi. This high working pressure means IPT's range can be used for a variety of applications from process control systems to high pressure water blasting.



## Flow

Selecting ABB and Flexim's strongest offering, our Flow portfolio provides solutions to meet your flow problems. Our knowledge and product selection means KC Controls not only has an understanding of the process but also the technologies available and the features and benefits these technologies offer.

Application solutions include measurements in the water and waste, chemical and petrochemical, oil and gas, paper and food, power, pharmaceutical and beverage industries. We pride ourselves in understanding the instruments and the application know how of the flow devices we offer.



- Primary Flow
- Integral Orifice
- Electromagnetic Series
- Vortex & Swirl
- Variable Area Flow Meters
- Coriolis, Thermal, Solids & Powder Mass
- Flow Measurement Communication & Configuration Products
- Clamp-on Ultrasonic
- Flow Computers



## Hose, Tubing and Tube Accessories

KC Control's range of specialty, industrial, hybrid and hydraulic hose equipment includes low, medium and high pressure pneumatic and hydraulic hose that are resistant to heat, ozone and weather, chemical, oil, flame, UV and abrasion.

Our range of tubing comes in both single and bonded designs; providing the widest range of tubing products in the industry manufactured to meet or exceed industrial specification requirements of DOT, DIN, ISO, SAE and FDA standards.



- ThermoPlastic Tubing
- Instrumentation Tubing
- PFA & PTFE Tubing
- Heat Trace & Multitube
- Tube Clamps
- Tube Fabrication Equipment
- Push-Lok
- Metal Hoses
- Quick Coupling



“Flow Technology on the Move.”

## Level

The KC Controls Level portfolio offers a wide range of Level products to compliment the traditional differential pressure technologies in our Pressure portfolio. Our product selection includes radar, ultrasonic and other continuous level technologies along with vibrating fork and simple switch devices.

KC Control's expertise in inventory management of industrial and military fuel storage depots enables us to design, install and commission fuel, chemical storage and movement systems; from single tank systems to complete tank farms.

We have the capability to select the right measurement, instrumentation and control system for the application.

- Radar
- Ultrasonic
- Capacitance
- Differential Pressure
- Displacer & Displacer Replacement
- Level Gauges
- Level Switches



## Pressure

The KC Controls Pressure portfolio includes gauges, transducers, high level multivariable transmitters, diaphragm seal systems and manifolds; offering simple solutions to complex applications.

Partnering ABB, we provide a wide range of pressure and differential pressure transmitters which allow standardised transmitter installations plant-wide, making configuration easy and ensuring instrument integrity is maintained.

- Absolute Transmitters
- Differential Transmitters
- Gauge Transmitters
- Multivariable Transmitters
- Pneumatic Transmitters
- Measurement Accessories
- Remote Seals
- Safety-Critical Transmitters

KC Controls is also partnered with Ashcroft, known for their reliability and durability, to offer you products that solve the problems of vibration and pulsation in your applications.



**“Application Solutions  
at all Levels.”**

## Temperature

KC Control's Temperature portfolio offers not only standard elements but also provides bespoke sensors to meet challenging applications. Our sensors offer innovative, user-friendly, economic and reliable temperature measurement technology in both difficult environments and hazardous areas.

From simple elements to elements with mechanical protection, our selection can form full assemblies with thermowells, heads, extensions and displays.



- Process Industry Head Thermometers
- Sanitary Application Thermometers
- Temperature Sensor Accessories
- Head Mounted Temperature Transmitters
- Rail Mounted Temperature Transmitters
- High Temperature Thermometers
- Cable Thermometers & Compact Thermometers
- Infra-Red Measurement Devices
- Field Mounted Temperature Transmitters
- Temperature Cable & Wires



## Valves & Control Elements

Providing a wide range of valve products from Parker and Richards Industries, our portfolio offers valve types that can be manual, motor actuated or solenoid operated.

Mounting configurations can be sub-based, in-line or manifold. The valves offered in our portfolio can be used in chemical, petrochemical, pharmaceutical and food processing industries as well as in paper products, tyre and rubber, machinery and electrical equipment, transportation equipment and energy.

- Process
- Solenoid
- Check
- Relief
- Manifolds
- Actuators
- Regulators
- Control
- Tank Blanketing
- Positioners
- MP & HP Hydraulic Systems

Our portfolio delivers leading brands such as Parker, Jordan Valve, Marwin Valve, Steriflow Valve and Bestobell Steam.



“Elementary Control  
of the Process.”



## Analytical - Gas

KC Control's Analytical Gas portfolio offers innovative measurement technology, easy operation and simplified calibration for operation in hazardous locations and integration in digital networks.

Our product selection provides flexible system design from in-line laser to specialised process photometers as well as robust and reliable analysers for measuring gas concentrations in numerous applications. Our solutions leave no need for expensive test gas cylinders in most applications.

- CGA System Solutions
- FTIP System Solutions
- Gas Analysers
- Sample Handling



## KC Panels & Systems

From mounting a single chart recorder or multiple controllers into cabinets to designing, building and installing complete PLC based control systems; KC Control's in house panel team design, build and produce high quality panels and systems. In unison with KC E-Systems we offer full electrical capability; producing BEMS, PLC motor control panels alongside other cabinet based systems customised to your application needs.

Partnering StrongArm, we provide IP Rated Touch Screens as well as PC and Interface Enclosures utilising the Strongarm Mobility Work Station features. This package provides a panel and system solution that offers complete innovative control by design.



“Application Support  
of Choice.”





## KC E-Systems

KC E-Systems specialise in the installation and maintenance of Building Energy Management Systems. With over twenty years experience in the HVAC industry, we offer a wide range of tailor made products and services that cut energy usage and carbon emissions.

We offer BEMS and energy management systems, PC based supervisory software packages, motor control panels, distribution equipment, control systems, HVAC electrical installation and periodic inspections.

Our Trend Building Energy Management Systems can be used in almost any building including:

- Hotels, Hospitals, UK airports and Schools & Universities
- Industrial manufacturing
- Public, commercial & national buildings

As a Trend distributor, KC Controls offers the following services within HVAC industry for companies who require backup and/or assistance with the provision of:

- Trend BMS strategy design & documentation
- Commissioning of Trend BMS or conventional controls
- Control panel design / Drawings / Manufacture / Testing
- Control system & HVAC electrical installations (LV & ELV)
- Electrical testing & certification of LV electrical installations
- Modifications to existing control panels
- Replacement of existing control systems



## KC Service

Utilising our partners' network of service engineers based throughout the United Kingdom alongside our own service team of instrumentation and electrical engineers, KC Service is positioned to offer assistance and support in all aspects of measurement and control.

We offer both service and support for products in need of care and attention, whether they have been supplied by KC Controls divisions or already installed on your plant by others. Ask about our commissioning packages, installation packages for new products and what else we can assist you with.

**“Facilitate Control of  
your Energy.”**





For a full range of products and services on offer log on to: [www.kccontrols.co.uk](http://www.kccontrols.co.uk)

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