

# 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.



#### --- Flow & Concentration

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.



- Medium & High Pressure Valves and Fittings

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.

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

#### **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**

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

### A-Lok







#### **Analytical - Gas** CGA System Solutions Gas Analysers

ThermoPlastic Tubing

Instrumentation Tubina

Stainless Steel Tubing

Heat Trace and Multitube

Tube Fabrication Equipment

PFA & PTFE Tubing

Tube Clamps

Push-Lok Quick Couplings

Level Radar

Ultrasonic

Capacitance

Level Gauges Level Switches

Pressure

Absolute Transmitters

**Gauge Transmitters** 

**Temperature** 

Process Industry Head Thermometers

Head Mounted Temperature Transmitters

Cable Thermometers & Compact Thermometers

Rail Mounted Temperature Transmitters

Field Mounted Temperature Transmitters

Globe & Cage Guided Control Valves Tank Blanketing Regulators

Sanitary Application Thermometers

Temperature Sensor Accessories

High Temperature Thermometers

Infra-Red Measurement Devices

Temperature Cable & Wires

Temperature Control Valves

DBB - Probloc & Monoflange

**Globe Style Regulators** 

**Valves Portfolio** 

**Differential Transmitters** 

Multivariable Transmitters Pneumatic Transmitters **Measurement Accessories Remote Seals** Safety-Critical Transmitters

Differential Pressure

**Displacer & Displacer Replacement** 

Hose, Tubing & Tube Accessories































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Valve Positioners

Regulators Control Valves

www.kccontrols.co.uk



### **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.
- ABB

- Turbidity In-line & On-line
  Dissolved Organics • Combustion Ğas Analysers
  - Water Analysers

Sensors & Transmitters

• pH, Conductivity & Dissolved Oxygen

Actuators & Positioners



### **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.

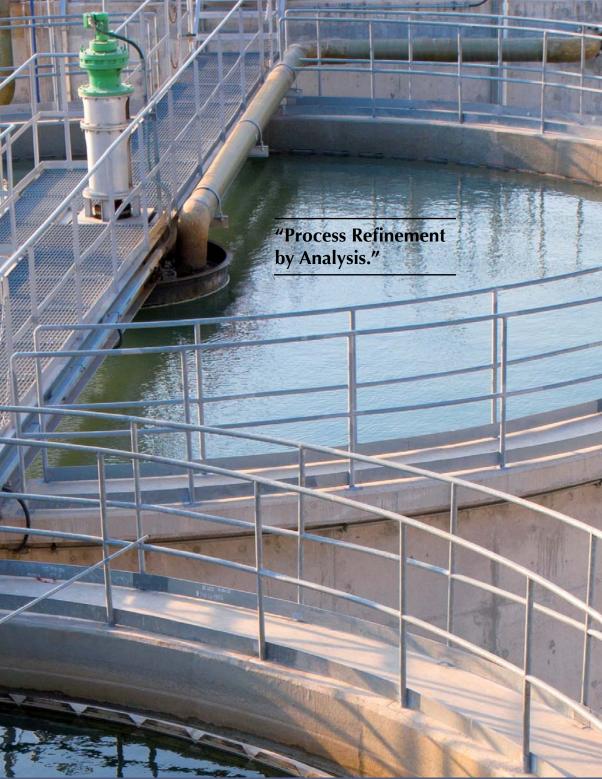
- The range includes chart recorders, digital indicators, process recorders and process control products; all of which share the same high standards of reliability, flexibility and are capable of withstanding the harshest of process environments.
- Recorders & Data Loggers Controllers Indicators















#### **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



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**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.

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.

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





#### 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
- Hear Trace & Multitu
  Tube Clamps
- Tube Fabrication Equipment
- Push-Lok
- Metal Hoses
- Quick Coupling







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#### 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.



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

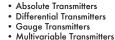


#### Pressure

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.

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.



- Pneumatic Transmitters
- Measurement Accessories
- Remote Seals
- Safety-Critical Transmitters









#### **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.

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



Innovative Pressure

Process

• Check

• Relief

Solenoid

Manifolds

Actuators

Control

Regulators

Positioners

Tank Blanketina

• MP & HP Hydraulic Systems





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#### **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





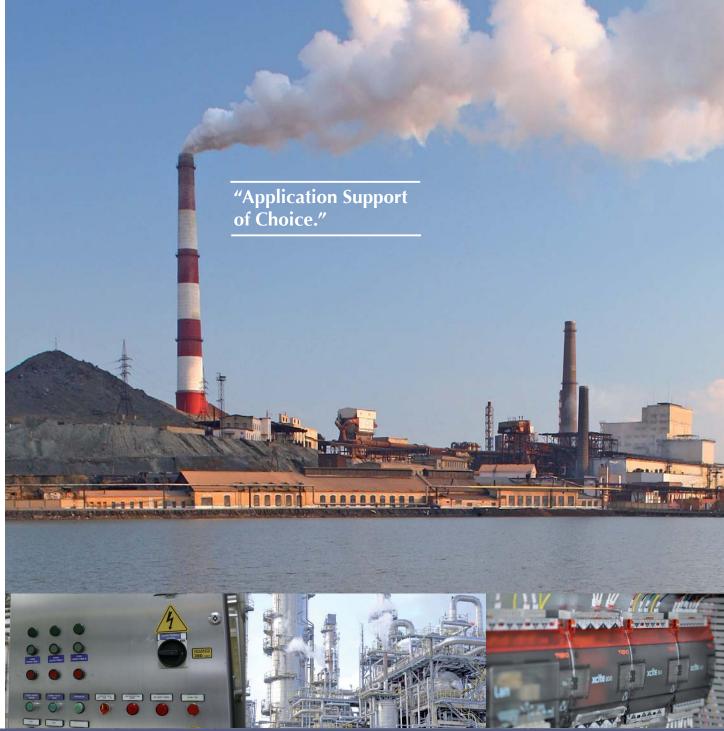


### **KC Panels & Systems**

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.





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## **KC E-Systems**

### **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 manufacturina
- 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

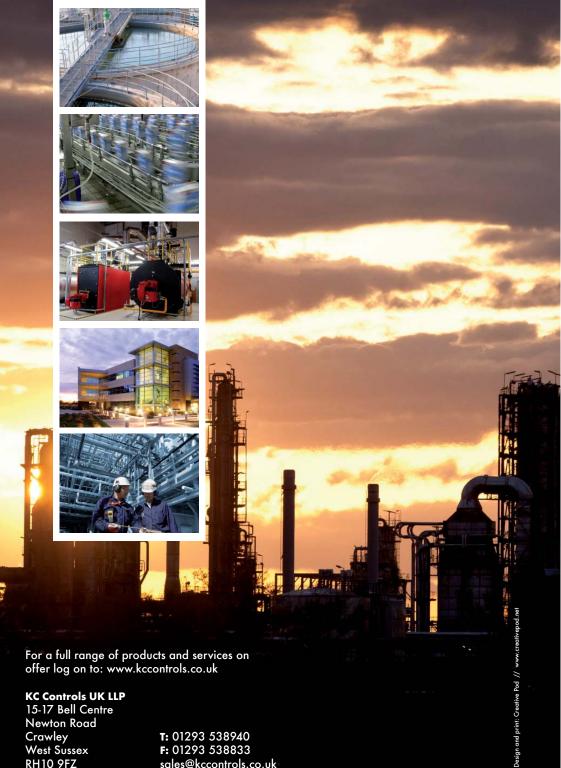


#### **KC Service**

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

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