



Selected suppliers of plant components



We supply a wide range of leading-brand components that are ideally suited to processing applications within the food industry, such as the dairy, beverage, prepared food, cheese and ice cream categories.

You can discuss your needs with us and we can recommend the plant components best suited to your requirements; no matter if you need expansion, upgrading, modifying, or replacing. The common characteristic is our seal of quality provided by our selection process with major global suppliers.

Since uptime is crucial, thanks to the selection of each and every plant component, we offer you a superior portfolio with warranty for best performance. Furthermore, our knowledge about technologies, requirements and materials are updated and aligned for any country so our portfolio is always updated ensuring the best solution matching your needs.

By choosing selected plant components you will get a perfect long-term partner for your daily operations. We offer

you a wide variety of plant components in the following categories:

- Valves
- Pumps
- Measuring instruments
- Integration components
- Automation and electrical components

This document includes short presentations of some of our most important sub-suppliers. All these companies have a worldwide coverage. They are among the leading companies in their respective area and their components are ideally suited to fit and work in the demanding environment that is the reality for today's food industry.

These companies also have a high degree of investment in research and development. All the chosen companies provide dedicated co-operation on a day-to-day basis. Last but not least they are environmentally conscious and many of them hold a front position in this area.



Alfa Laval

Alfa Laval has developed products since 1883, with the vision of creating better everyday conditions for people. Today, Alfa Laval's products are highly topical since the world is increasingly focusing on saving energy and protecting the environment. This involves treating water, reducing carbon emissions and minimizing water and energy consumption, as well as heating, cooling, separating and transporting food. These areas, which impact us all in various ways, represent the core of Alfa Laval's expertise.

Technologies Alfa Laval's operations are built on three key technologies – heat transfer, separation and fluid handling – all of which are of decisive importance for many industrial processes.

Industries and products Alfa Laval's products are used in a wide range of industries worldwide. These include the production of chemicals, starch, paper, metals, sugar and ethanol. They are also used onboard vessels and in the engineering sector, mining industry and refinery sector, as well as for treating wastewater and creating a comfortable indoor climate. The products are both efficient and environmentally friendly and can thus reduce energy consumption, thereby minimizing carbon emissions, and treat water and other liquids, which helps to limit the negative environmental effects of customers' processes.

Hygienic production Another key factor, particularly in the dairy, beverage, food, pharma and personal care industries, is Alfa Laval's range of safe and hygienic products and solutions.

Alfa Laval products are designed to secure hygiene and optimize production. Alfa Laval has deep application expertise and work actively to drive development in line with the trends and developments affecting the dairy, beverage, pharma and personal care industries. And Alfa Laval have the offering to support them.

For the food industry, for whatever product, Alfa Laval components are an ideal recipe for food safety, performance and economy.

Complete product portfolio For the hygienic industries, such as dairy, beverage, food, pharma and personal care, Alfa Laval offers a complete line of fluid handling products, heat exchangers and separators including the milk separator. The fluid handling portfolio consists of a broad range of pumps, valves, automation components, installation material and tank equipment.

Global presence Alfa Laval has a strong global presence with customers in approximately 100 countries. The company's early expansion into international markets began with the USA in 1885, closely followed by others, such as Russia (1903), France and Germany (1907), Australia (1926), India (1937), Brazil (1959) and China (1984). Today Alfa Laval has a strong position on the emerging markets where Central and Eastern Europe, Latin America and Asia together accounted for half of Alfa Laval's order intake during 2011. The company has 16,000 employees.

Innovation The corporate culture at Alfa Laval has always been characterized by a significant focus on innovation. Every year, the company invests in research and development in order to strengthen and advance its already leading global position in heat transfer, separation and fluid handling, resulting in the launch of between 35 and 40 new products each year. Alfa Laval currently holds more than 400 patents.





Bürkert

A story of success Bürkert was founded in Germany in 1946 by Christian Bürkert, who began by developing and manufacturing innovative products such as foot warmers, oven controls and thermal control systems for incubators. While these products met the needs of the time, over the years the company increasingly focused on valve technology and soon became an international benchmark for industrial solenoid valves.

With his combination of vision, innovation and enormous energy, Christian Bürkert succeeded in building an enterprise that is today a global leader in Fluid Control Systems, offering everything from simple valves to high-tech sensors, all manufactured to the highest quality and applying state-of-the-art technology.

Fascinated by Fluids Today, Bürkert is one of the leading manufacturers of control and measuring systems for fluids and gases. The products have a wide variety of applications and are used in dairies and laboratories as well as in medical engineering and space technology. With a portfolio of more than 30,000 products Bürkert covers the complete control loop: from solenoid valves through process and analytical valves to pneumatic actuators, controllers and sensors.

The company with its headquarters in Ingelfingen, Germany has a wide-ranging network of subsidiaries in 35 countries and employs over 2,400 people world-wide. In the five Systemhaus facilities in Germany, China and the USA and four R&D centres Bürkert continuously develops customer-specific system solutions and innovative products.



Danfoss

Danfoss is one of the global leaders in energy-efficient solutions that save energy and costs, and reduce carbon emissions. Danfoss' wide range of products and services are used in areas such as cooling food, air conditioning, heating buildings, controlling electric motors, solar and wind power and powering mobile machinery.

Danfoss was founded by Mads Clausen in 1933 in Nordborg, Denmark where the headquarter remains. It is a privately held, family-owned company that has more than 23,000 employees globally and is represented in 55 countries with own sales companies in 47 countries and 58 factories in 18 countries.

With focus on Climate and Energy the Danfoss Global Group have built strong competencies within energy efficient solutions and Danfoss' simple philosophy is that, money saved today through reduced energy consumption is money that can be invested in green technology in the long run.

Being a responsible world citizen is deeply rooted in the company's history and culture and it is being reflected in the way they carry out their daily business. Danfoss is playing an active role in a sustainable global development where social responsibility and environmental and climate considerations go hand-in-hand with sound business development.

Danfoss has a climate strategy based on the 3x25 objective, with which the company aims to reduce the absolute emission of CO₂ by 25% and increase the share of renewable energy by 25% before 2025.



Endress+Hauser

Endress+Hauser is a global leader in measurement instrumentation, services and solutions for industrial process engineering. In 2012 the Group employed around 10,000 personnel across the globe.

Structure Dedicated centres and a strong network of partners, Endress+Hauser guarantees competent worldwide support. Our production centres in 11 countries meet customers' needs and requirements quickly and effectively. The Group is managed and coordinated by a holding company in Reinach, Switzerland. As a successful family-owned business, Endress+Hauser is set for continued independence and self-reliance.

Products Endress+Hauser provides sensors, instruments, systems and services for level, flow, pressure and temperature measurement as well as analytics and data acquisition. Our products set standards in quality and technology.

Industries The company works closely with the chemical, petrochemical, food & beverage, oil & gas, water & wastewater, power & energy, life science, primaries & metal, renewable energies, pulp & paper and shipbuilding industries. Endress+Hauser supports its customers in optimizing their processes in terms of reliability, safety, economic efficiency and environmental impact.

History Founded in 1953 by Georg H Endress and Ludwig Hauser, Endress+Hauser has been solely owned by the Endress family since 1975. Led by Klaus Endress since 1995, the Group has developed from a specialist in level measurement to a provider of complete solutions for industrial measuring technology and automation, with constant expansion into new territories and markets.



Grundfos

Grundfos was founded in 1945 by Poul Due Jensen. The Grundfos Group, with HQ in Bjerringbro in Denmark, is represented by more than 80 companies in more than 55 countries. In addition, Grundfos products are sold in a large number of countries by local distributors.

An annual production of more than 16 million pump units and 17,481 employees makes Grundfos one of the world's leading pump manufacturers. Circulator pumps for heating and air conditioning as well as other centrifugal pumps for the industry, water supply, sewage and dosing are the main products. Today Grundfos is one of the world's largest manufacturers of circulators, covering app. 50% of the world market of these pumps. In addition to pumps Grundfos produces standard and submersible motors as well as state-of-the-art electronics for monitoring and controlling pumps.

Grundfos supplies many different kinds of centrifugal pumps for boilers, pressure boosting and other industrial purposes to be integrated by Original Equipment Manufacturers (OEM).

Grundfos continuously aims to strengthen its position within energy and environmental friendly solutions. To maintain a leading position Grundfos attaches great importance to research and development. In 2011 the investment in development of new products totalled 5.8% of the turnover.

Grundfos attaches great importance to the quality concept as an integral part of the entire organization and considers quality assurance a decisive parameter for continued growth of the Group. Quality management in production shall be directed towards zero-defect manufacture based on high process capability and full employee responsibility for their own work.



LESER

LESER was founded in 1818 as a brazery in Hamburg-Neustadt by Georg Wittmann. LESER is now represented in more than 80 countries.

LESER safety valves protect people and the environment in the chemical, petrochemical, technical gases, oil and gas production, and engineering branches as well as in the food and pharmaceutical industries.

With more than 600 employees, LESER is one of the largest manufacturers of safety valves in Europe and a leader in its market worldwide. LESER safety valves are developed and tested for the international market in a certified test lab at the headquarters in Hamburg, Germany. Valve production, with a capacity of over 130,000 valves per year, takes place at a modern factory in Hohenwestedt, Germany.

Eight subsidiaries in Europe, America, the Middle East, and Asia as well as trained contact partners in over 80 countries ensure competent customer consulting services for all industrial applications.

NETZSCH

NETZSCH

For 60 years, NETZSCH Pumps & Systems has manufactured positive displacement pumps worldwide. Designed specifically for difficult pumping situations, NETZSCH pumps range in size from the smallest metering pumps to high volume pumps for applications in the different industries.

In 1951, the NETZSCH Group acquired the Progressing Cavity Pump license to manufacture and distribute NEMO[®] progressing cavity pumps according to the Moineau pump system. NEMO[®] received its name from this system invented by Professor René Moineau: NETzsch + MOineau = NEMO[®].

Product range For six decades NETZSCH has been supplying worldwide NEMO[®] progressing cavity pumps. Within the Business Unit Pumps & Systems, Food & Pharmaceutical holds a crucial position all over the world with regard to uncompromising hygiene and most demanding process requirements in all manufacturing areas.

Strategy The development and sales activities are focused on trend-setting technologies and applications, to expand market and technology leadership. Hereby NETZSCH doesn't see itself only as a developer and manufacturer, but more as a partner.

Quality Worldwide implementation of common standards in accordance with DIN EN ISO 9001 in development and research guarantees high quality at each production site.



Phoenix Contact

Phoenix Contact, founded over 90 years ago, is a leading manufacturer of electric connection and industrial automation technology, and has 12,800 employees, 45 sales companies and 30 sales partners worldwide. Phoenix Contact is dedicated to the creation of progress with inspiring, innovative solutions and to a trusting partnership towards customers and partners with common benefits.

Innovative products and technology Products and solutions for all aspects of electrical engineering and automation.

A strong partner Phoenix Contact is one of the global market leaders and an innovator in the field of electrical engineering. It is a family owned company working responsibly to shape the future. Phoenix Contact and Tetra Pak has established a trusted partnership, and today machines and processing equipment from Tetra Pak use a wide range of components from Phoenix Contact.

Solutions for the future Sustainability defines the way of thinking and doing business. Phoenix Contact serves customers in sectors where future-oriented solutions are in demand. For example Food & Beverage industry



Rockwell Automation

Rockwell Automation, one of the world's largest companies dedicated to industrial automation, makes its customers more productive and the world more sustainable. Throughout the world, the flagship Allen-Bradley® and Rockwell Software® product brands are recognized for innovation and excellence.

Rockwell Automation dates its history back to 1903 when Lynde Bradley and Dr. Stanton Allen began the cooperation of what would turn into a global provider of Automation. With the first sales office in New York in 1914 the company expanded to Europe in 1969 and is today located in more than 80 countries worldwide. Today Rockwell Automation has its headquarter in Milwaukee, USA and has 22,000 employees worldwide. Products are software and services which carry brands recognized globally for quality, innovation and performance.

Within the segment **Architecture and Software** Integrated Architecture™ is the key elements of the Rockwell Automation control and information platforms, software applications and automation components. The system is a production, control and information system that combines the Logix control platform with the FactoryTalk® software suite to provide a seamless flow of information.

The segment **Control Products & Solutions** consists of motor control products, solutions and services. The solutions businesses include a broad array of engineered systems.



SAMSON

SAMSON has been successful in instrumentation and controls for over 100 years and is one of Europe's largest valve manufacturers. Numerous inventions and innovative solutions guarantee the constant growth and on-going success.

SAMSON control valves are not only being used in steam applications but everywhere where a flow needs to be controlled. The product range covers self-operated valves, aseptic and hygienic valves, micro flow valves, control valves and also complete skid solutions. Common focus is high quality and high control accuracy.

The modular valve design reduces costs for spare parts, installation and maintenance. This leads to significant savings in total cost of ownership.

Since 1916, SAMSON has been headquartered in Frankfurt am Main, Germany. This is mainly where R&D, manufacturing, administration and warehousing take place. SAMSON GROUP has over 50 subsidiaries and more than 100 engineering and sales offices with over 3,600 highly skilled and committed staff all across the world.

SIEMENS

Siemens

Siemens is a global powerhouse in electronics and electrical engineering, operating in the fields of industry, energy and healthcare as well as providing infrastructure solutions, primarily for cities and metropolitan areas.

For over 165 years, Siemens has stood for technological excellence, innovation, quality, reliability and internationality. The company is one of the world's largest providers of environmental technologies. Around 40 percent of its total revenue stems from green products and solutions. Siemens has business in more than 190 countries and has around 370,000 employees worldwide.

Siemens is one of the world's leading suppliers of innovative and environmentally friendly products and solutions for amongst others industrial customers. With end-to-end automation technology and industrial software, solid vertical-market expertise, and technology-based services, Siemens enables productivity, efficiency, and flexibility.

In 2012, Siemens was ranked as Supersector Leader in the Dow Jones Sustainability Index (DJSI) for the first time, leading the category "Industrial Goods and Services". Siemens was also ranked the Sector Leader for the fifth year in a row, currently in the "Diversified Industrials" sector.



Spirax Sarco

Established over 100 years ago, Spirax Sarco has 51 operating companies around the world, with major manufacturing plants strategically located in all key regions.

Spirax Sarco is a multi-national industrial engineering group headquartered in UK, comprising of two niche businesses: Spirax Sarco for steam specialties and Watson-Marlow for peristaltic and niche pumps.

The Spirax Sarco steam specialties business is one of the global leaders in the supply of engineered solutions for the design, maintenance and operation of efficient industrial and commercial steam systems. Spirax Sarco focus on increasing process efficiency, generating meaningful energy and water savings, improving end-use product quality and enhancing the ability to comply with increasingly stringent regulatory requirements.

The food and beverage industry forms a major part of the customer base. Spirax Sarco has a global team of 1,300 sales and service engineers and an intimate knowledge of food and beverage applications.

Committed to new product development, Spirax Sarco constantly strives to provide innovative products and solutions to improve process efficiency and reliability to food and beverage customers.



Sterling SIHI

For more than 90 years SIHI has been one of the world's leaders in pumping liquids and gases, using liquid, vacuum and compressor pumps and systems of the highest quality. SIHI designs and manufactures liquid pumps, vacuum pumps, compressors and engineered systems for many applications in the chemical, pharmaceutical, power, water/waste water, food/beverage, plastic, steel, paper and machinery manufacturing industries.

SIHI was founded in 1920 in St. Margarethen (Germany) at the Elbe River by Mr. Siemen and Mr. Hinsch, the inventors of the famous side channel pump. Today SIHI achieves with more than 1,600 employees worldwide a turnover of more than 290 million EUR and operates manufacturing and assembly facilities in Germany, France, Spain, UK, Canada, Colombia and China.

SIHI aims to provide unrivalled customer service by being industry focused. Primarily the industry segments are divided into the three divisions, which are chemical, industrial and energy & environmental. Extensive application knowledge combined with the respected and established product ranges, SIHI ensures confidence throughout a wide range of markets and manufacturing processes.

The understanding of the customers' application and process requirements enables SIHI to provide a cost effective solution that is tailor-made to the customers' needs.