



# Tetra Pak® Plant Components

Always available. Always approved.

# One supplier 40 000 advantages.

Get access to plant components from multiple leading brands, without having to contact multiple companies.

Choose Tetra Pak, and you can enjoy all the convenience and cost savings of dealing with a single, reliable and familiar partner.

Thanks to our many longstanding partnerships, we've built a comprehensive portfolio of over 40 000 plant components. Each and every one is suitable for food and beverage production, and especially for our core categories: dairy, beverage, prepared foods, ice cream, cheese, and powder production.

Since our portfolio contains the widest product range of plant components in the business, you're sure to find exactly what you need – from a single item to a complete, plant-wide solution.



# Small things that make a big difference.

Quality plant components keep your production line working at its best while reducing your total cost of ownership (TCO). They provide the many vital links that make packaging equipment, processing modules, lines, and even whole plants work together smoothly throughout the production chain.

Our portfolio includes both sanitary and non-sanitary components, spanning valves, pumps, tank equipment and measuring instruments, plus integration, automation, electrical components. Each item has a clearly defined function and is correctly dimensioned to deliver the product quality and safety you need.

## Pumps

### Sanitary

- Centrifugal pumps
- Self priming pumps
- Rotary lobe pumps
- Circumferential piston pumps
- Eccentric screw pumps
- Peristaltic pumps
- Diaphragm air-driven pumps
- Twin screw pumps

### Non-Sanitary

- Centrifugal pumps
- Vacuum pumps
- Diaphragm air-driven pumps
- Dosing pumps

## Tank Equipment

### Agitators & Mixers

- Agitators
- Magnetic mixers
- Rotary jet mixers

### Cleaning Devices

- Static spray ball
- Rotary spray head
- Rotary jet head

### Tank Covers

- Circular
- Oval
- Rectangular

## Integration Components

### Installation Material

- Hoses
- Pipes
- Fittings

### Pneumatics

- Valves
- Air Control
- Fittings & Hoses

### Various Integration Components

- Sight glass
- Inline housings
- Strainers/filters
- Steam separators
- Steam traps
- Vacuum breakers
- Brazed heat exchangers

## Measuring Instruments

### Sanitary flow meters

- Magnetic low meters
- Mass flow meters

### Utility flow meters

- Vortex steam flow meters
- Thermal flow meters
- Ultrasonic flow meters
- Magnetic flow meters
- Variable flow meters

### Pressure

- Pressure transmitters
- Differential pressure transmitters
- Pressure gauges
- Hydrostatic pressure transmitters

### Level

- Conductive level meter
- Capacity level meter
- Radar level meter
- Level switch

### Temperature

- Indicator
- Transmitter

### Analysis

- Conductivity
- pH
- O<sub>2</sub>
- Turbidity meter
- Refractometers

### Weighing

- Pancake load cells
- Hygienic compression load cells

## Automation & Electrical

### Control Systems

- I/O modules
- Processors
- IO-Link master

### Operator Panels

- Graphical operator panels

### Low Voltage

- Motor protection
- Circuit breakers
- Contactors
- Buttons & Lamps

### Communication

- Switches
- Routers
- Field bus
- Interfaces

### Auxiliary Equipment

- General power supply
- Uninterrupted power supply (UPS)
- Buffer units
- Light towers

### Motor Drive Systems

- Frequency converters
- Soft starters

## Valves

### Sanitary

- Seat valves
- Constant pressure valves
- Mixproof valves
- Non return valves
- Regulating valves
- Sampling valves
- Butterfly valves
- Ball valves
- Safety valves
- Diaphragm valves
- Accessories
- Control/indication

### Non-Sanitary

- Seat valves
- Constant flow valves
- Non return valves
- Reducing valves
- Regulating valves
- Safety valves
- Solenoid valves
- Ball valves
- Accessories
- Control/indication



# Smart sourcing from global leaders.

All the plant components you buy from us have been pre-selected from globally proven, world-class suppliers and validated for their quality, sustainability and product safety.



**Alfa Laval**  
Alfa Laval is one of the market leaders in hygienic fluid handling products, plate heat exchangers, high speed separators and decanters.



**Endress+Hauser**  
Endress+Hauser is a global leader in measurement and automation technology for process and laboratory applications.



**Bürkert**  
Bürkert specialises in valve technology and sets the international benchmark for industrial solenoid valves.



**SPIRAX SARCO**  
Spirax Sarco is the world leader in steam technology, offering the industry's most extensive range of products, services and solutions for steam users to improve productivity, save energy and reduce waste.



SAMSON's modular valve design reduces costs for spare parts, installation, and maintenance, leading to significant savings in total cost of ownership.  
**SMART IN FLOW CONTROL**

**SAMSON**  
SAMSON's modular valve design reduces costs for spare parts, installation, and maintenance, leading to significant savings in total cost of ownership.

ENGINEERING  
TOMORROW



**Danfoss**  
Danfoss is a global leader in energy-efficient solutions that reduce both costs and carbon emissions. Danfoss' products and services are used in diverse industries and applications, such as electric motor controls, refrigeration, air conditioning, and renewable power.



**IFM**  
Measuring, controlling and evaluating - When it comes to pioneering automation and digitalisation technology, IFM is the ideal partner. Ensuring process reliability and plant uptime.



**SMC**  
SMC provides high quality services throughout the world, with its products, technologies and experienced staff.

A few of our main suppliers are listed above, but please note that this is by no means an exhaustive list.

# Get solutions not just components.

When you buy plant components from Tetra Pak, you get so much more than the physical product. You get an easy buying process, rapid deliveries, performance guarantees and the best possible TCO – all accompanied by sound advice based on over six decades of food and beverage industry experience.

## Convenience



**389 Supplier Agreements**

**One supplier**  
Save time and effort by reducing the number of suppliers you deal with.



**e-Business Platform**

**Easy to buy**  
Streamline your purchasing process by using our e-Business portal.



**24/7 Order System**

**Any size of order**  
Order whatever you need – no more, no less – from a single replacement item to a complete package of plant components.

## Reliability



**24/7 Express Delivery**

**Fast deliveries**  
You get rapid delivery since we hold stock at our Regional Distribution Centres.



**170 Supported Countries**

**After sales**  
We support you throughout the equipment's lifecycle and manage improvements as well as obsolescence – in partnership with our suppliers.



**8 Distribution Centers Worldwide**

**Global coverage**  
No matter where you're based, Tetra Pak can supply you with the products you need.

## Guidance



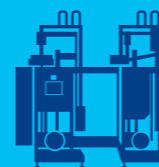
**2500 Field Service Engineers**

**Technical service**  
With locally based experts around the world, we can provide world-class technical support wherever you are.



**500 Account Managers & Specialists**

**Advice on tap**  
If you're not sure what you need, don't hesitate to ask for our advice.



**40 000 + Components For Everyone**

**Brand neutral**  
You don't have to run a Tetra Pak line to buy plant components from us. Our offer applies to any brand of food processing and packaging equipment.

# Meet some of our star performers.

All the plant components we sell are chosen with criteria like running times, utilities consumption and waste reduction in mind.

That means they not only deliver economic, but also environmental savings. This makes your production more sustainable as well as helping you meet the increasingly strict regulations for e.g. water usage and effluent discharge.

On the next few pages, we highlight a few of our star performers to give you a taste of our portfolio. To see the full range, please go to our e-Business platform or ask your local Tetra Pak representative for more information.





# Pumps

Reduce energy consumption by up to 40%.

The efficiency and versatility of the **LKH Prime Pump** makes it one of our star performers. Thanks to a combination of advanced air-screw technology, optimized impeller and casing geometry, this self-priming pump gives you quiet, efficient operation and very low energy consumption – while at the same time meeting the most stringent hygiene standards in the food, dairy and beverage industries. It can be used to pump product as well as for CIP duties.

Since pumps account for a massive 10% of global electricity consumption – and as much as 50% of the total electricity consumption in some applications – this is a good place to look for savings. Let our experts help you find the best size and type of pump to optimize efficiency in your specific application/s.

## Pumps available

### Sanitary

- Centrifugal pumps
- Self priming pumps
- Rotary lobe pumps
- Circumferential piston pumps
- Eccentric screw pumps
- Peristaltic pumps
- Diaphragm air-driven pumps
- Twin screw pumps

### Non-sanitary

- Centrifugal pumps
- Vacuum pumps
- Diaphragm air-driven pumps
- Dosing pumps

# Sanitary valves

Reduce water consumption by up to 90%.

We chose the **Unique Mixproof valve with ThinkTop** and burst clean as our star performer in this category because it has been proven to save up to 90% of CIP liquid, significantly lowering your operating costs compared to the traditional (PLC) timer-controlled seat lift.

Two products or fluids can safely flow through the same valve which means one Unique Mixproof valve can often be used to replace two or more of other types. Thanks to a state-of-the-art double-seat design, you get long-lasting, spillage-free operation, with minimal risk of product contamination. Safe, hygienic operation is further assured by the use of double lip seals, and the top-loaded design makes maintenance quick and easy.

All the sanitary valves in our portfolio have been chosen for their smart yet simple design, corrosion-free materials and ease of cleaning. So, if you're looking for valves that enable smooth, flexible operation, high hygiene and a long reliable lifetime, talk to us.



## Sanitary valves

- Seat valves
- Constant pressure valves
- Mixproof valves
- Non return valves
- Regulating valves
- Sampling valves
- Butterfly valves
- Ball valves
- Safety valves
- Diaphragm valves
- Accessories
- Control/indication

# Non-sanitary valves

Precise control and 35% higher flows.

We awarded this **Bürkert 8802 non-sanitary control valve** star status because it is tough yet flexible, has an unparalleled cycle life and comes with a broad choice of communications platforms. It's also wash-down safe and the parabolic trim gives an approximately 35% higher flow than conventional control valves.

Choose from a combination of different valve types (angle, globe, diaphragm) and different control heads, from basic to full PID. Communication platforms include analogue 4-20mA, AS-I, IO-Link as well as advanced PROFIBUS DP-V1, DeviceNet, EtherNet/IP, PROFINET, Modbus TCP, bÜS - Bürkert System Bus (based on CANopen). Integrated control-air routing with spring chamber aeration saves energy and you can look forward to long life cycles thanks to the double-packed stem and oscillating self-centering seat.



## Non-sanitary valves

- Seat valves
- Constant flow valves
- Non return valves
- Reducing valves
- Regulating valves
- Safety valves
- Solenoid valves
- Ball valves
- Accessories
- Control/indication

# Tank equipment

Save energy and other utilities.

We offer several types of equipment to optimize your tank, including cutting-edge options for agitating and mixing, covers and cleaning solutions. Within this category, we have chosen to highlight the Rotary Spray Head Sani SB, an outstanding cleaning device that delivers efficient cleaning for high food safety, along with low environmental impact and low maintenance requirements.

Compared to a static spray ball, the rotating spray head produces a variable falling film with higher heat and mass transfer coefficients. This leads to significant savings on water, energy and cleaning agents.

The product is designed according to EHEDG and GMP guidelines and is 3A certified to assure food safety. In addition, the Rotary Spray Head Sani SB is so reliable that a routine inspection is often the only maintenance required.



Alfa Laval SaniMega  
121 mm



Alfa Laval SaniMagnum  
118 mm



Alfa Laval SaniMidget  
84,8 mm



## Tank equipment

- ### Agitators & Mixers
- Agitators
  - Magnetic mixers
  - Rotary jet mixers

- ### Cleaning Devices
- Static spray ball
  - Rotary spray head
  - Rotary jet head

- ### Tank Covers
- Circular
  - Oval
  - Rectangular



# Measuring instruments

Enhance food safety.

**The Proline Promag H 100 Electromagnetic Flow Meter** is specifically designed for hygienic applications, making it our star performer in the Measuring Instruments category.

Featuring an ultra-compact, space-saving transmitter with robust housing, this flow meter gives you full functionality on a minimal footprint. It delivers energy-saving flow measurement, as well as multivariable temperature and

conductivity measurements. It's adapted for a range of hygienic process connections, with Heartbeat Technology to ensure compliance and process safety at all times.

Discuss your process monitoring needs in depth with our experts and be sure to get the best instruments for your installation. And why not take advantage of our complete solution for on-site calibration of critical instruments?



## Measuring instruments

### Sanitary flow meters

Magnetic low meters  
Mass flow meters

### Utility flow meters

Vortex steam flow meters  
Thermal flow meters  
Ultrasonic flow meters  
Magnetic flow meters  
Variable flow meters

### Pressure

Pressure transmitters  
Differential pressure transmitters  
Pressure gauges  
Hydrostatic pressure transmitters

### Level

Conductive level meter  
Capacity level meter  
Radar level meter  
Level switch

### Temperature

Indicator  
Transmitter

### Analysis

Conductivity  
pH  
O<sub>2</sub>  
Turbidity meter  
Refractometers

### Weighing

Pancake load cells  
Hygienic compression load cells

# Automation & Electrical Components

Accelerate your digitalisation.

Providing the gateway for connection of up to 8 IO-Link devices, such as sensors, valves or binary input/output modules, the **IO-Link master with PROFINET or EtherNet/IP interface** helps accelerate your progress towards Industry 4.0.

It offers excellent electromagnetic stability, a wide temperature range, a high protection rating and a robust housing – qualifying it for use in the food industry and making it a star performer among Automation & Electrical Components.

The master transmits machine data, process parameters and diagnostic data to the controller. It features a separate IoT Ethernet socket separating IT and automation network, allowing important sensor information to be sent safely to the IT and ERP system. Meanwhile, intuitive software finds all IO-Link masters in the network and creates an overview of the whole plant, with sensors and parameters visible from a central point.

Talk to our experts about customizing automation solutions to give you better control of your processing, packaging and plant logistics.



## Automation & Electrical Components

### Control Systems

I/O modules  
Processors  
IO-Link master

### Operator Panels

Graphical operator panels

### Low Voltage

Motor protection  
Circuit breakers  
Contactors  
Buttons & Lamps

### Communication

Switches  
Routers  
Field bus  
Interfaces

### Auxiliary Equipment

General power supply  
Uninterrupted power supply (UPS)  
Buffer units  
Light towers

### Motor Drive Systems

Frequency converters  
Soft starters

# Integration Components

Total peace of mind.

Since this category covers all the small components needed to successfully integrate your production line, it was hard for us to choose a single star performer. So, we picked our whole sanitary fittings range! What's special about these components is that they give producers total peace of mind.

Each fitting meets the highest standards of safety, reliability and efficiency required for

use in the food, dairy and beverage industry. Each one complies with food contact requirements to ensure consistent quality in your production, and each offers full traceability to enable swift troubleshooting, if needed.

The range covers various different global dimensions standards including EN 10357-A ("DIN" sizes), ISO 2037 ("SMS" sizes) and ASME ("US inch" sizes).



## Integration components

### Installation material

Hoses  
Pipes  
Fittings

### Pneumatics

Valves  
Air control  
Fitting & hoses

### Various Integration Components

Sight glass  
Inline housings  
Strainers/filters  
Steam separators  
Steam traps  
Vacuum breakers  
Brazed heat exchangers

# Our knowledge. Your peace of mind.

Customers who source their plant components from Tetra Pak know they can relax.

With a wealth of process and application knowledge to draw on, our experts can always provide you with the best plant components for the job. Whether you're looking to expand, upgrade, modify, replace, or simply sharpen your competitive edge, you can trust their advice.

What's more, Tetra Pak leads innovation in plant components by tracking and responding to global consumer trends and technological developments. So, you can be confident that our offer is evolving continuously in anticipation of your needs.



