

THE MODULAR PIPEWORK SYSTEM



JACOB – THE NUMBER 1 FOR MODULAR PIPEWORK SYSTEMS



- More than 8,500 different standard products
- Diameter 60 to 1600 mm
- Wall thicknesses from 1 to 3 mm
- Stainless steel, shotblasted
- Mild steel: powder-coated or hot-dip galvanised



Pipework systems are the lifelines of modern production plants. They transport raw materials and products, convey exhaust air and extract dust. The applications are as diverse as the spatial requirements. This means that each pipework system is unique. The modular system developed by JACOB combines easy assembly with numerous options for creating customised designs. This is how we achieve the right solution for every challenge.

The idea originated around 100 years ago. As an alternative to manufacturing pipe systems individually and welding them together, our technicians and engineers developed a modular system made up of standard parts. With seals and pull-rings, the pipe components can be quickly assembled and disassembled. For the user this means: calculable project costs, outstanding product quality, quick installation, and short downtimes for maintenance work.

With more than 8,500 different standard products, our range covers practically all requirements. Customer-specific solutions are created by our experts in the customised production department. In combination with our advisory expertise, this makes us your one-stop shop for your complete pipework system.

And on an international level too: with our subsidiaries in Europe and North America, 40 offices worldwide and eight warehouses around the globe, we are always close to hand.



AT HOME IN MANY FIELDS

With our pipes we have the optimum solution concept for every sector: exceptional hygiene and safety, durability and robustness, and a reliably tight seal.



BULK GOODS HANDLING

JACOB's conveying pipe system is used in a wide variety of industries for handling bulk goods or conveying products via gravity pipe systems.

All types of grain

- Cereals
- Concentrated feed
- Seeds

Food, beverages and tobacco

- Spices
- Coffee
- Baked goods/ pasta products
- Sugar
- Animal feed
- Rice

Chemicals, pharmaceuticals, plastics

- Polyamides
- Intermediate products
- Pharmaceuticals
- Polystyrene
- Granulate



DUST EXTRACTION AND EXHAUST AIR

JACOB pipework systems are used for dust extraction (aspiration) and the extraction, for example, of oil mist or dust from production lines in many different industries.

Metalworking

- Degreasing systems
- Solvent recovery
- Welding fumes
- Oil mist
- Grinding dusts

Chemicals, pharmaceuticals, plastics

- Dusts
- Vapours
- Varnishes

Food, beverages and tobacco

- Dusts
- Vapours



LOW PRESSURE SYSTEMS

The JACOB pipework system for conveying and extracting products, or as a low-pressure ventilation system.

Air conditioning

- Printing companies
- Cereal cooling
- Sealing air lines
- Cleanroom systems

Recycling

- Electronics
- Plastics
- Glass
- Paper

Wood and paper

- Paper
- Wood
- Wood shavings
- Cellulose
- Biomass
- Pellets

Chemicals

- Polystyrene
- PU foam



OUR QUALITY MANAGEMENT – SIMPLY BETTER

When it comes to quality, we never compromise. And this is not just because better quality is synonymous with better safety in our industry. At JACOB, we simply believe that only the best is good enough for our customers.

- Machines developed in-house for optimal production
- Continuous further development of the modular system
- The best possible seal thanks to the JACOB pull-ring connections
- Explosion pressure resistant versions upon request
- Certification in accordance with ISO 9001
- Highly developed system for quality assurance
- Expertise based on almost 100 years of market presence

INNOVATIONS FROM JACOB



**QUICK
CONNECT**



FAST AND FLEXIBLE ASSEMBLY

In order for a system to pay for itself as quickly as possible, it must ensure ready availability. JACOB makes an important contribution here with its QUICK CONNECT technology. Intelligent pull-rings and perfectly matched U-shaped seals reduce assembly time when installing, cleaning or disassembling your system.



**FOOD
GRADE**
EG/EC 1935/2004 plus FDA

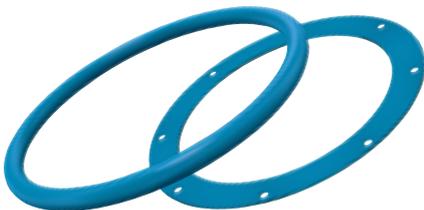


HIGHEST STANDARDS FOR SENSITIVE APPLICATIONS

When it comes to foodstuffs, pharmaceutical products and other sensitive goods, the highest standards of safety and purity apply. JACOB meets this challenge with its JACOB FOOD GRADE line. The JACOB FOOD GRADE line is the first modular system to meet both the EC 1935/2004 and FDA requirements.



**DETECTABLE
DESIGN**



BETTER SAFETY

Our sealing materials meet the highest standards. Nevertheless, parts of the materials could still find their way into the production system by accident, for example during assembly. JACOB has succeeded in incorporating minuscule metal particles in the seal materials. This means that even tiny pieces of material can be identified by metal detectors and removed accordingly. Some call this a quantum leap – we call it DETECTABLE DESIGN.



**DURABLE
DESIGN**



TOUGH PERFORMERS

JACOB's new wear protection range extends the service life and in addition the cost-effectiveness of your industrial plants. Various polyurethane linings make the inside of the pipes resistant to hard and abrasive matter. Since they are bonded or screw-fixed in standard pipe components, they still offer all the flexibility of the JACOB modular system.

INVESTMENT IN THE FUTURE

GREATER SPEED: THE NEW LOGISTICS CENTRE

Punctual deliveries are essential in plant construction. This is why we have invested 15 million euros in an ultra-modern logistics centre. At the company's headquarters in Porta Westfalica, the software-supported warehouse system makes quick and reliable delivery possible:

- 1,000,000 parts are stored in an area of 9,000 m², ready for delivery. This enables us to process your orders, whether large or small, at short notice.
- Standard modular components with diameters up to 400 mm are always in stock in our logistics centre. This gives you design reliability.
- Up to 25,000 components per day can be shipped. This enables us to offer short delivery times.
- Same day: with the express delivery option, components leave the logistics centre on the day the order is placed.
- Quick and efficient: normal orders are shipped within two days of the order being placed.

With our eight warehouses around the globe, we also offer reliable international shipping.



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