

THE MODULAR PIPEWORK SYSTEM



JACOB – YOUR NO.1 FOR MODULAR PIPEWORK SYSTEMS

Pipework systems are the lifeline of modern production systems. They transport raw materials and products, direct exhaust and extract dust. Their applications are as diverse as the spatial requirements, making each pipework system unique.

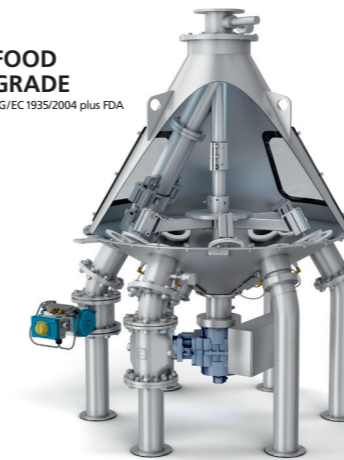
The modular system developed by JACOB features over 7,000 standard articles alone and combines versatile options for custom design with simple assembly. The result is a tailored solution for any challenge.

With its subsidiaries in Europe and North America, as well as over 40 representatives worldwide, the JACOB Group is just as global as its customers. A modern warehouse featuring 7,000 m² at the headquarters in Porta Westfalica, in Germany, as well as additional local warehouses outside of Germany, ensure immediate availability of our products. State-of-the-art production technology allows for both efficient series and custom production. All this, together with our uncompromising pursuit of premium materials and technologies, results in innovative, high-quality products, made in Germany.



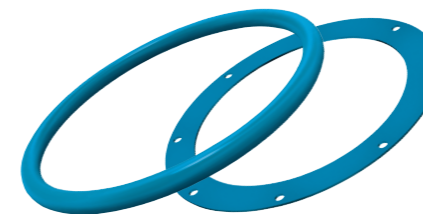
QUICK, FLEXIBLE ASSEMBLY

For a system to be profitable as quickly as possible, it has to ensure high availability. JACOB has the perfect solution: QUICK CONNECT technology. Intelligent pull rings and perfectly matched U-shaped seals significantly reduce the time it takes to assemble, clean, or disassemble your system.



HIGHEST STANDARDS FOR SENSITIVE INDUSTRIES

When it comes to food, pharmaceutical products and other sensitive goods, the highest standards for safety and cleanliness must be met. JACOB meets this challenge with its JACOB FOOD GRADE line. The JACOB FOOD GRADE line is the first modular pipework system to comply with both the requirements of EC 1935/2004 and FDA regulations. Only products that are ideal for transporting hygiene-sensitive products carry our FOOD GRADE label.



INCREASED SAFETY

Our seal materials meet the highest of standards. Even so, parts of them may accidentally find their way into your production process, for example during assembly. JACOB has managed to incorporate miniscule metallic particles into its seal materials, allowing metal detectors to detect and remove even the tiniest of pieces. Some term this a quantum leap – we call it DETECTABLE DESIGN.

A PERFECT FIT IN MANY INDUSTRIES

We have developed an optimal solution for using our pipework systems in bulk material transport, dust extraction and exhaust technology, as well as low-pressure conveying: extraordinary purity and safety for hygiene-sensitive products, resistance and robustness for conveying abrasive materials, as well as a reliable seal. As specialised as the surfaces and materials are, they are all united by a common principle: modularity.

DUST EXTRACTION & EXHAUST AIR

ENVIRONMENTAL ENGINEERING



JACOB pipework systems can be used for dust aspiration and extraction, for example of oil mist or welding gases in production systems in a wide variety of industries.

Metal-working

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

Chemicals, pharmaceuticals, plastics

- Dusts
- Fumes
- Paints

Food and tobacco

- Dusts
- Fumes

Earth and stones

- Dusts

BULK MATERIAL HANDLING

CONVEYING PIPE SYSTEMS



JACOB conveying pipe systems are used in a wide variety of industries for handling bulk materials or conveying products in downpipe systems.

Grain

- Cereals
- Animal feed
- Seeds

Food and tobacco

- Spices, coffee
- Tobacco
- Chocolate
- Bakery products, pasta
- Sugar
- Rice
- Pet food

Chemicals, pharmaceuticals, plastics

- Polyamides
- Intermediate products
- Pharmaceuticals
- Polystyrene

LOW-PRESSURE SYSTEMS

PRODUCT AND AIR CONVEYING



JACOB pipework systems can also be used to convey and extract products in low-pressure applications.

- Conveyor lines or extraction, for example of polystyrene, tobacco, wood shavings, plastics as powder or granulate, as well as plastic or electronic waste in recycling facilities
- Air conveying for air-conditioning, cooling and exhaust

Air conveying

- Printing companies
- Cereal cooling
- Air seal pipe lines
- Cleanroom technology

Recycling

- Electronics
- Plastics
- Glass
- Paper

Wood and paper

- Paper
- Wood
- Wood shavings
- Cellulose
- Biomass

Chemicals

- Polystyrene
- PU foam

OUR MODULAR PIPEWORK SYSTEM – FLEXIBLE, EFFICIENT, RELIABLE



- Modular pipework system with over 7,000 standard parts
- Welded, lipped pipes and moulded components
- Steel: powder-coated, galvanised or stainless
- 60–1600 mm diameter in the standard range
- 1 to 3 mm wall thickness
- Connection: pull ring, loose flange or welded-on flange
- Shock-explosion proof piping available
- FOOD GRADE line
- DETECTABLE DESIGN line
- Up to 400 mm diameter usually available directly from stock

7,000 m² of products available directly from our warehouse in Porta Westfalica – the largest of its type in Europe. Over a million parts valued at approximately 10 million euros are available for you – all in premium, consistent JACOB series quality thanks to state-of-the-art precision tools developed in-house, such as robot-controlled welders. This allows us to respond to your requests flexibly and generally offer immediate delivery. For individual requirements, we are also happy to produce small series runs or a unique model based on your specifications. Outside of Germany, we also support you with local warehouses at our subsidiaries and selected representatives.

You can find our complete range in our product catalogue (www.pipe-systems.eu) or in our online shop at <http://shop.jacob-rohre.de>

Connecting components	 QUICK CONNECT pull ring	 Two-part pull rings	 U-shaped seals/gaskets	 Loose flanges and welded-on flanges	 Earthing bridges
Pipes	 Pipes	 Welding ends	 Push-in pipes	 Ring seals	 Special pipes
Segments and bends	 Segments	 Bends	 Wear protection	 Cast-iron piping	 Adjustable elbows
Branch pieces	 T-pieces	 Forks	 Conical forks	 Symmetrical forks	 Conical symmetrical forks
Transition pieces/adapters	 Cone pieces	 Connecting flanges	 Spouts	 Jet caps	 Rain caps
Inspection components	 Inspection pipes	 Cleaning pipes	 Inspection T-pieces	 Rubber covers	 Cover locks
Regulators & shut-off valves	 Throttle/shut-off valves	 Pipe regulators	 Air flow control gates	 Non-return valves	 Bulk goods slide valves
Two-way distributors	 Two-way valves with collar	 Two-way valves with seal	 Two-way distributors 60°	 Two-way distributors 45°	 Actuators for distributors and shut-off valves
Multi-way distributors	 Turn-head distributors	 Twin-pipe turn-head distributors	 Turn-head distributors, dust tight	 Swivel pipe switches	 JACOB FOOD GRADE turn-head distributors
Fixing components and accessories	 Flanges	 Flanging tools	 Earthing wires/lugs	 Pipe clamps	 Hoses
	 Compensators	 Pipe ball joints	 Plexiglass pipes	 Bagging spouts	 Bag clamps

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