



WITZENMANN BENELUX

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THE GROUP

With 24 Companies in 19 countries
Witzenmann is the worldwide Number 1 in our industry.



World Leader

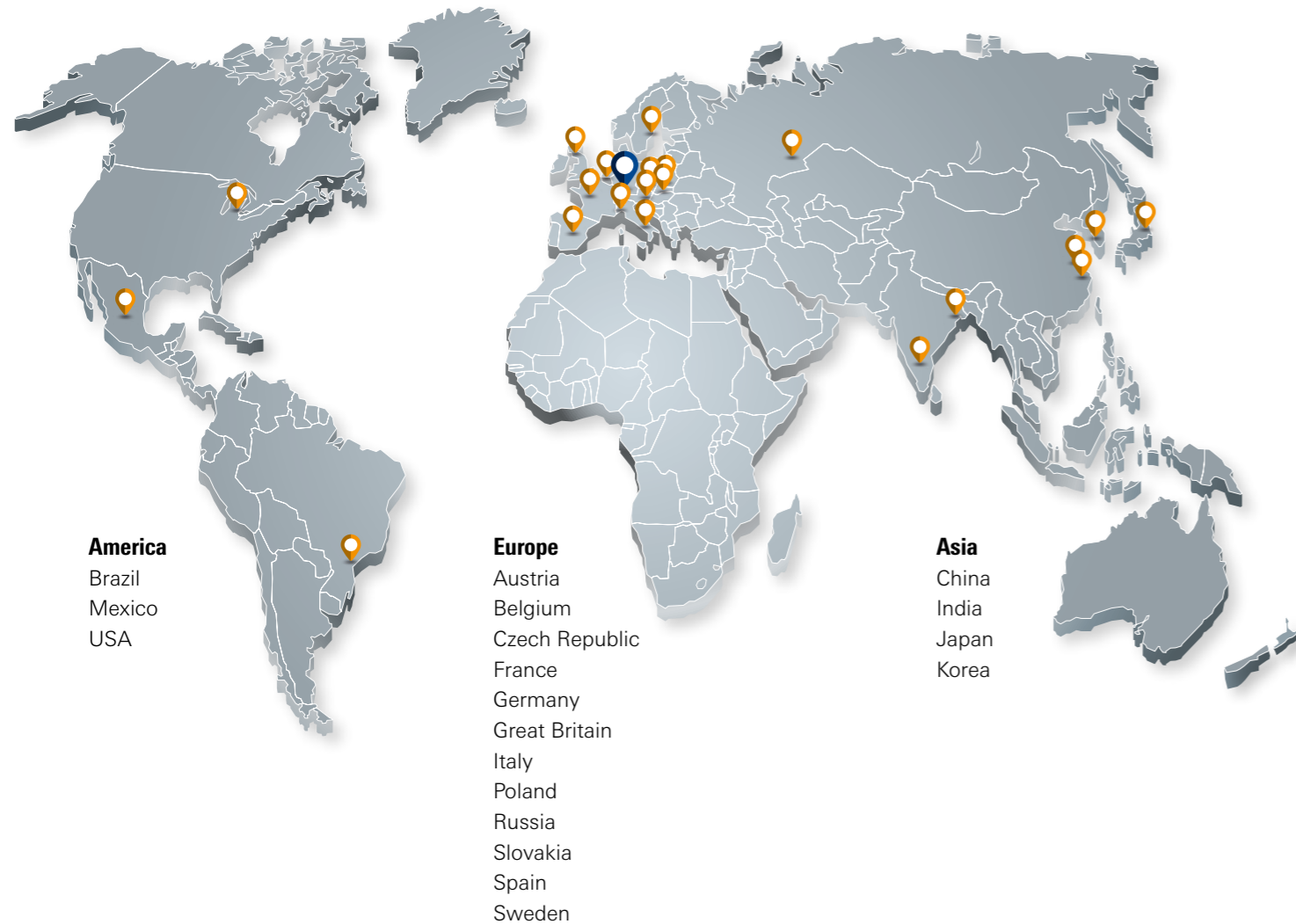
Witzenmann is a global group specialising in the design and manufacture of flexible metal elements. Guided by our vision of “managing flexibility”, our company has become renowned as a reliable manufacturer and as the innovative development partner of choice within the industry. Today Witzenmann offers the widest range of products available, enabling us to provide optimised solutions time and time again.

Assuming Responsibility

As a signatory to the Declaration of Accession, the Witzenmann Group is committed to the 10 principles of the United Nations Global Compact. This initiative by former UN Secretary General Kofi Annan is based on internationally agreed conventions and treaties on human rights, labour standards, environmental protection and anti-corruption. The Global Compact aims to make the 10 principles an integral part of business strategy and operation.



OUR FLEXIBLE NETWORK



The group's international technology network in Europe, Asia and America generates advantages in terms of operating efficiency and innovative strength.

Always close to the customer

One of our corporate principles is to manufacture products close to our markets. In practice, this means establishing extensive local knowledge in terms of both production and engineering. We ensure this through comprehensive qualification measures at our competence centre in Pforzheim and by ensuring the respective subsidiaries are equipped with Witzemann technology. The strong technology network within the group enables us to address global trends and develop the corresponding solutions. This has made us an innovative leader in our industry.

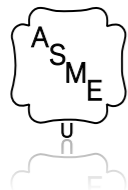
Fast service, economical production

The close proximity to our customers means we are able to respond quickly and competently to new demands. We utilise extensive testing facilities, which enable products to be developed and optimised in a quick and reliable manner before they go into production. Our flexible network provides each company in the group with direct access to additional engineering capacities, as well as the testing and development resources of the head office in Germany. Of course, it's not just the "internal" processes which are kept extremely short, as this concept also enables economical and quick logistics between us and the customer.



QUALITY BY WITZENMANN

Converting our prominent development expertise perfectly into customised product solutions that fulfil the highest requirements – this is our standard.



Durability and absolute reliability are a must for a company that strives for quality leadership. It's not only DIN ISO 9001/ IATF 16949 certification, but also a wide variety of national and international approvals and certifications that constitute "HYDRA – Quality by Witzenmann". Our customers include major manufacturers involved in petrochemistry, industry and plant engineering and construction, power plant operators and suppliers in the energy sector. This is reason enough for us to consistently enhance the qualitative development of our product solutions.

Spin-off effects from other markets

Witzenmann is involved in many highly specialised markets. These include, for example, the astronautics sector, nuclear power and even medical technology. These are all fields in which maximum functional reliability is required under demanding operating conditions. This is one of the factors which, thanks to our multi-faceted expertise, makes us an in-demand development partner around the world.



WITZENMANN BENELUX



Local specialists – where it matters.
The expertise of a world market leader and our
long-standing experience make us your preferred partner.



Success in specialised applications

In 1970 Vadeb NV, which was founded by André Van den Bogaert, became the Witzemann representative for the Belgian region, where it markets the company's entire range of flexible metallic elements. The company's portfolio also includes the packaging of flexible metal hoses and specialised procedures for material refinement, surface treatment and pipe forming. In 1998 the company became part of the Witzemann group, which expanded its sales area in 2001 to incorporate the Netherlands. Since 2011 the company has been trading as Witzemann Benelux and has approximately 200 employees at the plant in Oelegem near Antwerpen. In-house production and on-site packaging ensures the quick availability of products.

Local expertise – valued around the world

Witzemann Benelux produces complete piping systems "on site" equipped with flexible elements. Customised design for a high degree of functionality and quick and easy installation. Our product range covers everything associated with the pipe for industrial and plant engineering and construction. This includes expansion joints up to 1,000 mm in diameter, high-performance bellows for valves, flexible metal hoses, spring and constant hangers, right up to pipeline bearings. Witzemann Benelux caters for safety-critical applications by producing high-performance hoses for high pressure and cryogenic applications, as well as special diaphragm and valve bellows. Our subsidiaries naturally also have access to the entire product range of the Witzemann group, which includes products for customers in the medical technology sector and the astronautics industry.

HYDRA® BENT PIPES AND FITTINGS

Crease-free bending of large nominal diameters and material thicknesses

Installation



Brought into shape

Witzenmann Benelux is the specialist for producing individual, pre-finished pipes according to customer requirements and drawings. Pipes manufactured from steel, stainless steel, copper, brass, aluminium and exotic alloys are perfectly formed on special machines in accordance with their intended purpose.

Numerous procedures and techniques are available for further processing, surface treatment and refinement. All components can be configured according to the individual customer's requirements and equipped with the necessary connections such as flanges, nipples, sockets or couplings so that they are ready for installation. Witzenmann Benelux bends pipes between DN 4 and DN 150 up to a radius of 1 D.

Processing techniques

- Bending, cutting, crimping, drilling, punching, welding, threading and stamping, to name but a few

Refinement techniques

- Nickel plating, electro and thermal galvanisation, chrome plating, pickling, passivation, powder coating
- Further processes available upon request

Areas of use

- As oil and exhaust gas recirculation lines
- Large engines and shipbuilding
- Petrochemical industry
- LNG storage tanks and transfer points
- Industry



HYDRA® COMBINED RIGID/FLEXIBLE COMPONENTS

Delivered complete and pre-finished

Installation



Precisely fitted

Production and packaging of rigid/flexible modules and special components for specific customer requirements. Flexible Witzenmann components can be combined with customised supply parts to create precisely fitting, ready to install end products which fulfil the highest quality requirements.

This individual service allows us at Witzenmann Benelux to cover a wide variety of high-grade, specific applications and special cases. These components compensate engine oscillations, structure-borne noise and thermal expansions, for example, in motor vehicles and commercial vehicles.

Areas of use

- Motor vehicle engine technology
- Large engines and commercial vehicles
- Construction of special purpose machinery
- Industrial plant construction
- Technical building equipment
- Shipbuilding
- Block heating stations



HYDRA® FLEXIBLE METAL HOSES

Stripwound hoses



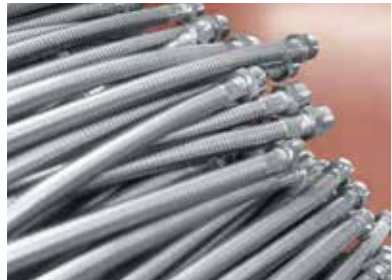
Stripwound hoses

Stripwound hoses from Witzemann are wound from strips of material in various profiles, depending on the respective application and specifications. The industry's broadest product programme ranges from the highly flexible metal hose with engaged profile through to the sturdy interlocked protective hose. The flexible metal elements are used as heat and ageing-resistant components in exhaust gas technology, for example, as protective conduits and conveying hoses.

Applications

- Protective hoses for electric cables and fibreglass strands in medical technology
- Extraction and conveying hoses for dust, chippings and pellets
- For ventilation and exhaust gas routing

Corrugated hoses



Corrugated hoses

Corrugated hoses are mechanically formed from seamless or longitudinally welded hoses and are available in a variety of wall thicknesses, material types and packagings. These are used to convey pressurised fluids and fluids in a vacuum in an absolutely leak-tight manner. The hoses compensate movement, expansion and vibration within the piping systems.

Applications

- Pressurised or vacuum-sealed gas, water, hydraulic or refrigerant lines in technical building equipment
- As pressurised hoses in the chemical industry and vacuum technology or as a noise and vibration-damping equalising piece
- As a conveying hose in heat exchangers and stratified storage systems
- Oil, fuel and exhaust gas lines in the automotive industry

Installation of corrugated hoses



HYDRA® PTFE HOSES

Design work



Broad product range

Witzemann Benelux offers a wide range of corrugated hoses equipped with PTFE liners. The special pressure-resistant hoses are flexible, resistant to aggressive media and highly resilient to dynamic loads. The hoses are configured in a wide variety of designs according to customer requirements and are equipped with stainless steel, Kevlar, Nomex or polypropylene braiding.

All products are characterised by a high degree of flexibility and, thanks to their smooth internal surface, they also exhibit excellent, turbulence-free flow rates and outstanding hygienic characteristics. As a material, PTFE is also highly resistant to chemicals.

Example of use



Areas of use

- Chemical, pharmaceutical and foodstuff industries
- As components in medical devices
- For applications with high thermal loads

Characteristics

- Bacteriologically safe
- Easy to clean smooth surfaces
- Odourless and tasteless
- Highly resistant, even against aggressive media
- Able to withstand a broad temperature spectrum (max. -70 °C to 260 °C).



HYDRA® EXPANSION JOINTS AND METAL BELLOWS

Production



Reliable, safe and at the forefront of technology

The expansion joints and metal bellows support axial, angular and lateral movements within piping systems. Equipped with single or multi-layer bellows, HYDRA expansion joints exhibit an enormous compressive strength while simultaneously maintaining a high degree of flexibility. Witzemann's broad product range incorporates standard expansion joints in nominal diameters from DN 15 - 3000.

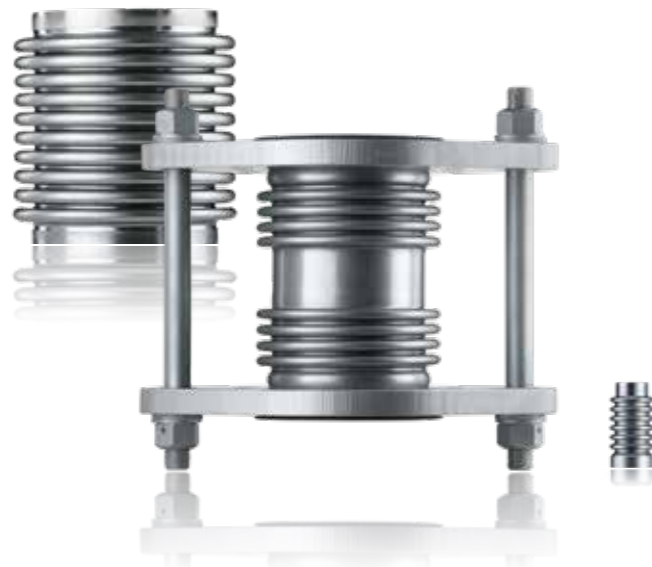
Custom products measuring up to 12 metres in diameter and the diverse standard programme that includes various corrugations, wall thicknesses and connections are examples of the scope of the technologically advanced product range.

Product examples



Versions

- Non-anchored expansion joints, with single or gimbal joint
- Equipped with fixed flanges, swivel lap-joint flanges or weld ends
- Domestic engineering expansion joints for steel, stainless steel, copper and plastic pipelines
- Available in a single or multi-walled configuration in materials such as Inconel, Hastelloy, titanium and tantalum



HYDRA® HANGERS AND SUPPORTS

Constant hangers



Technological expertise

Long-standing project experience and intensive development work make Witzemann one of the leading providers of hangers, supports, roller and slide bearings, as well as dynamic components for creating complex piping systems.

Hangers and supports with constant or travel-dependent structural behaviour, as well as fixed, floating and guide bearings ensure a completely safe, reliable and virtually maintenance-free mounting for piping systems in continuous assemblies – individually designed for the respective application.

Witzemann hangers and supports fulfil the highest requirements for pipes that are subjected to high service temperatures, high pressure steam pipes and steam boilers alike. The maintenance-free and consistently reliable components absorb enormous weights and prevent undue deformations, thereby making a vital contribution to the safety of the system.

Spring hangers



Versions (hangers)

- Load bearing capacity up to 500 kN
- Nominal travel up to 200 mm (spring hangers) or 500 mm (constant hangers)
- Maintenance-free and MOT-approved as a coordinated range of hangers and bearings

Areas of use

- Industrial plants and refineries
- In power plants (suitability test in accordance with KTA 3205.3 and VDA guidelines)
- Ambient temperature up to 80 °C
- Also applicable for ships and oil rigs when provided with suitable corrosion protection

