

»You can expect high-performance valves and fittings from Gerhard Götze KG which are designed to exactly meet your specific requirements. Based on over 50 years of experience and profound know-how we are able to offer services as a competent advisor and partner for technical solutions. We design tailor-made safety valves and fittings for a host of applications and manufacture these products from high quality materials. Because there can be no compromises made when it comes to the safety of your plant.«

Detlef Weimann, Managing Partner of Gerhard Götze KG



STAINLESS STEEL

RED BRASS
BRASS

Individuality for more safety
High-performance valves and fittings



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All-metal
Choice of material: high-quality, acid-resistant stainless steel for aggressive media or in food processing, corrosion-resistant red brass in the potable water sector, brass for standard applications. Upon request the surfaces can be finish treated. And another thing: you will search in vain for plastic caps or other inferior components in fittings from Gerhard Götze KG.

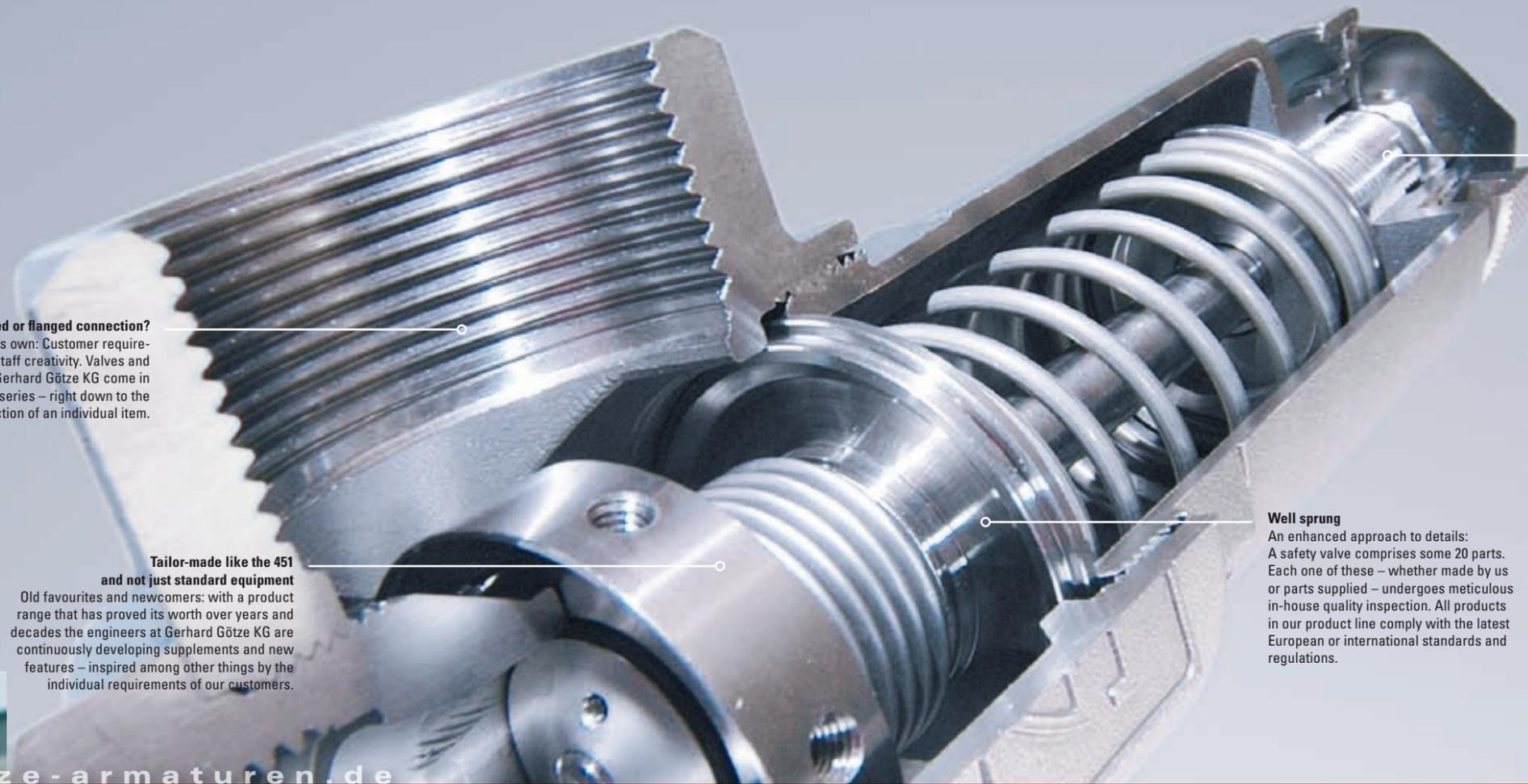
- Top-class, certified high-performance valves and fittings
- Exquisite practice-proven product programme
- Robust high-precision components of highest operating reliability
- Well-proven serial products to call off
- Individual, innovative solutions on request
- Consistent solid metal design of all valves and fittings
- Every item undergoes extensive testing prior to delivery

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Cost awareness in the customer's interest.
We are, of course, always aware of the thriftiness our homeland, Swabia, is famous for: wherever permissible we use economical alternatives in the form of fittings which do not require TÜV test certificates. – There is naturally no compromise made in terms of production quality.

An inconspicuous part – nevertheless a brand product bearing great responsibility for the safety of the entire production process. The metal embossing on an overflow valve, control valve or safety valve, on a pressure reducer or other accessory part relays an immediate signal to customers of Gerhard Götze KG: This is something you can rely on!



Threaded or flanged connection?
To each man his own: Customer requirements enhance staff creativity. Valves and fittings from Gerhard Götze KG come in large and small series – right down to the production of an individual item.

Tailor-made like the 451 and not just standard equipment
Old favourites and newcomers: with a product range that has proved its worth over years and decades the engineers at Gerhard Götze KG are continuously developing supplements and new features – inspired among other things by the individual requirements of our customers.

Well sprung
An enhanced approach to details: A safety valve comprises some 20 parts. Each one of these – whether made by us or parts supplied – undergoes meticulous in-house quality inspection. All products in our product line comply with the latest European or international standards and regulations.

Precision and perfection for tailor-made solutions

Highest quality standards for over 50 years

Concrete benefits for satisfied customers:
You can download design documents of the products or the entire catalogue under www.goetze-armaturen.de. 3D models of all fittings are available online for the planning of your plant. Also »offline« our consulting engineers and sales partners look forward to paying your company a visit!

Flexible structures: The path to tailor-made products is by no means a lengthy one. We are able to realise new and advanced developments within the shortest time – from your first inquiry, to planning and design, the making of a prototype with on-site testing, up to the manufacturing of the component and prompt delivery.

A visit to the factory's »pressure reducer island« reveals a sustained sense of responsibility in the organisation of the valve manufacturing process. This is no anonymous assembly line, but clearly laid out units with short tooling times and a workforce boasting know-how, profound skills and experience. We are proud that Gerhard Götze KG is still referred to as a »Manufaktur« or factory of craftsmanship.

In quality assurance Gerhard Götze KG leaves nothing to others. From the incoming components inspection, ISO-certified in-house quality inspection, up to the final inspection. Each and every item is inspected for its correct functioning and performance. It's no surprise that »complaint« is a foreign word in the company.

Emergencies! – The red emergency folder indicates highest priority. Somewhere in the world a plant has shut down and is waiting for a key component. If the inquiry reaches us before 12 noon, the fittings are delivered on the same day – that's a record breaking achievement! But even without the »Emergency Folder« Gerhard Götze KG stands out for its spectacular fast service.

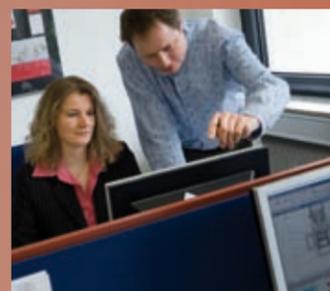
Safety valves represent the highest level in complex plants. If these fittings fail, even the largest plants are brought to a standstill. They have to be reliable. Shortcomings cannot be compensated by other components in most cases. Gerhard Götze KG has been committed to this momentous responsibility with its products for over 50 years. And successfully so. This responsibility for perfect functioning is the guiding principle of the company. For the staff. For the production. For every single fittings item, every valve, every control unit or pressure reducer that leaves the factory.

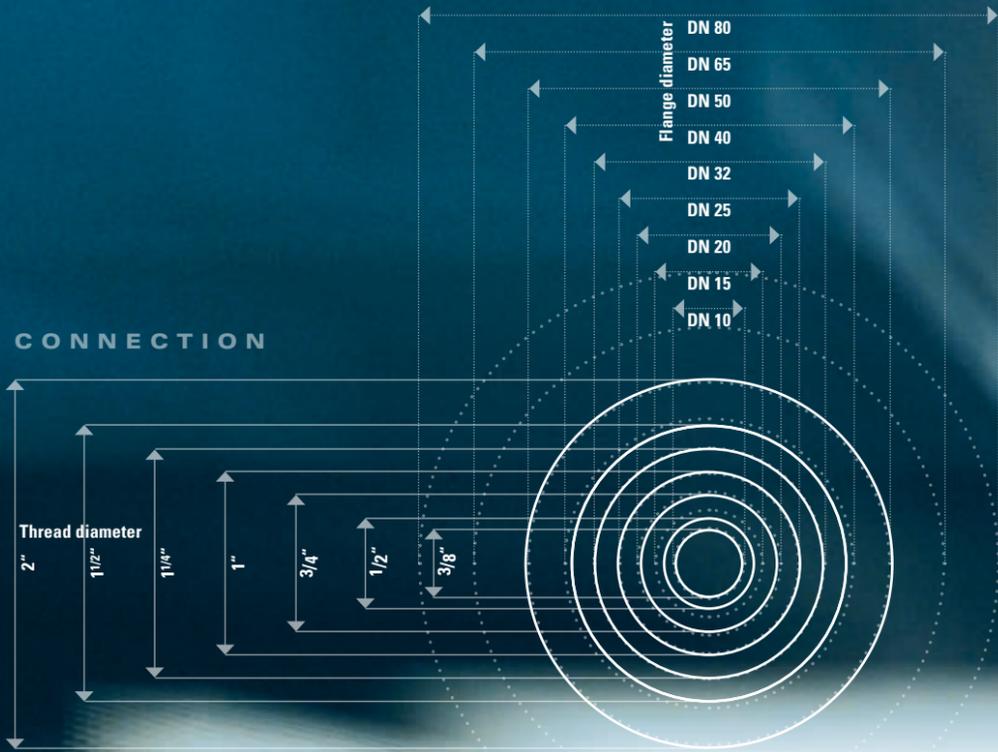
Clever minds and busy hands are one of our key assets – but there is nothing that can outdo the computer-aided precision in the work carried out at Gerhard Götze KG. State-of-the-art CNC machines are fitted with the component parts and take over the milling and thread cutting or tapping.

For final inspection of the fittings it is again the sure and confident glance and delicate touch of our highly skilled and experienced staff that are required. The compressed air test stand is used to carry out the factory adjustment of the safety fittings, in addition to the function test.

Perfection: This is the yardstick for success at Gerhard Götze KG, and nothing less will do. The set goal is high and is underpinned on a daily basis. In the consultation sessions with our customers. In the product planning and design, the meticulous, virtually manual execution of work and in the fast, prompt delivery. Perfection is also reflected through the quality inspection of each individual product. And in the development of new products. Because innovation is something you can expect from Gerhard Götze KG at all times. But no hasty decisions. The safety of your plants is far too precious.

Final check for assuring top quality and maximum safety: although shortest delivery times have to be observed, our staff take their time when carrying out inspection for completeness. Götze valves and fittings cannot be shipped all over the world until every item on the list has been ticked off.





Assess Gerhard Götze KG using your specific requirements! Which medium has to be monitored? Under what pressure and temperature conditions are the fittings required? What are the specified standards, connections and materials? Put the know-how of Gerhard Götze KG to the test!

The valves of Gerhard Götze KG are uncompromising. They do not respond to external influences. They are operated only mechanically by the medium in the pipe. This medium can be extremely hot, aggressive, toxic or combustible, and also be under high pressure. Fittings from Gerhard Götze KG are geared to face any medium – be it gas, steam, acid or foodstuff. This is because only pure metal is used, even at places where plastics would be permissible. Every purchased component is tested. And not just by means of

sampling. Each individual item undergoes ISO-certified quality inspection before being shipped to the customer. These provide optimum conditions for the reliable operation of tanks and compressors, pumps and pipelines, sterilizers, solar plants and silo vehicles. More than 50 years of experience in safety and quality: This is the sound foundation on which products from Gerhard Götze KG are based, providing smooth and trouble-free plant operation today and in the future – and also satisfied customers.

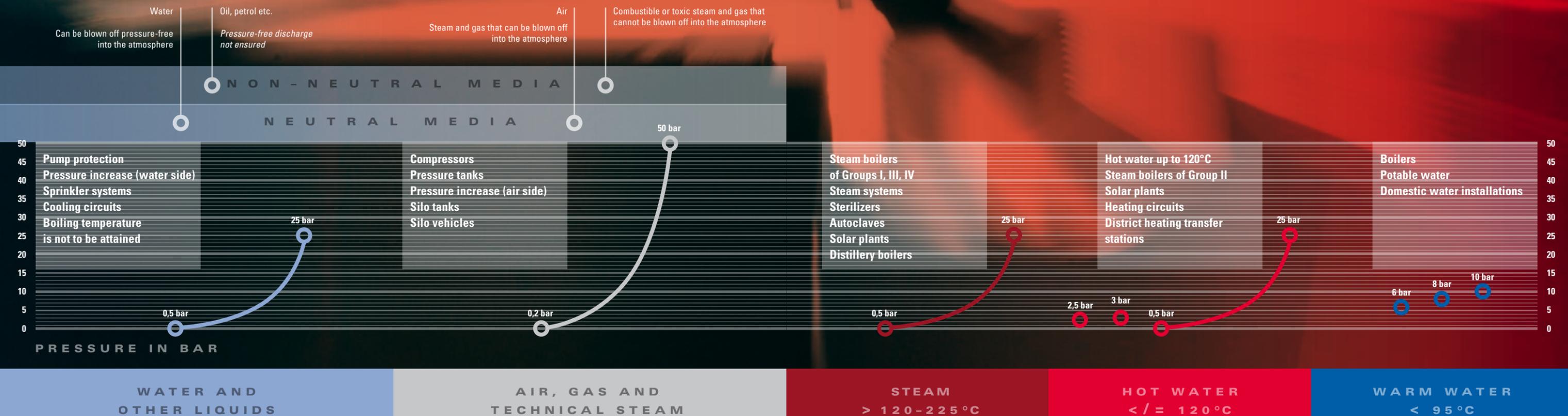
Flange connections from DN10 to DN80

Threaded connections from 3/8" to 2"

www.goetze-armaturen.de

Measurable success with all media

Long-lasting and reliable also when exposed to heat, high pressure and aggressive liquids or gasses



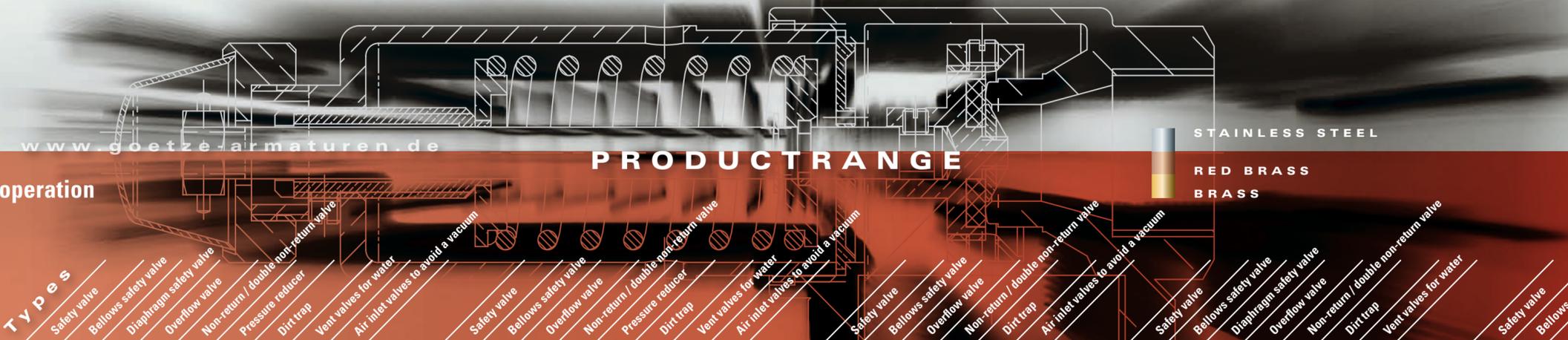


Overflow valves and pressure reducing valves

A carefully thought out, mature product family with regular additions: this is the valve product range presented by Gerhard Götze KG. For use in many different applications in industry or in heating systems these safety, overflow, pressure reducing or control valves as well as an extensive range of accessories are always geared for the situation. Stainless steel, for example, for applications in the food processing sector. Or red brass when stability is required for varying degrees of hardness in potable water. And with brass as a reliable partner for uncomplicated media. Also available upon request with nickel or chrome finish, to match the application. Also the »intrinsic values« of the Gerhard Götze KG complete product range relay confidence: Where compliance with the Pressure Equipment Directive or all other European and international regulations is a matter of course, the other quality criteria are indeed special: all-metal design, incoming control, in-house quality, function and performance inspection. – Being accepted in the family circle at Gerhard Götze KG is no easy achievement for valves and fittings.



Safety valves for industrial use Safety valves for heating systems



Categories	Types															Types											
	Safety valve	Bellows safety valve	Diaphragm safety valve	Overflow valve	Non-return / double non-return valve	Pressure reducer	Dirt trap	Vent valves for water	Air inlet valves to avoid a vacuum	Safety valve	Bellows safety valve	Overflow valve	Non-return / double non-return valve	Dirt trap	Air inlet valves to avoid a vacuum		Safety valve	Bellows safety valve	Diaphragm safety valve	Overflow safety valve	Pressure reducer	Dirt trap	Air inlet valves to avoid a vacuum				
TÜV / CE tested fittings for industrial applications	○	○	○							○	○					○	○	○						○	○	○	
Fittings for industrial applications without component test	○	○								○	○					○	○	○							○	○	○
Overflow valves and control fittings			○									○						○									
TÜV/CE tested fittings for heating systems and water heating																		○	○	○					○	○	○
Fittings for heating systems and water heating without component test																		○	○	○					○	○	○
Pressure reducing fittings					○						○								○						○	○	
Supplementary components				○	○	○	○									○	○	○							○	○	

Media	WATER AND OTHER LIQUIDS	AIR, GAS AND TECHNICAL STEAM	STEAM > 120-225 °C	HOT WATER < / = 120 °C	WARM WATER < 95 °C	Media
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New features



Pressure behaviour, throughput quantity and spring force are individually adjusted for each valve or fittings item. In the case of TÜV-certified components this setting is not to be changed afterwards. We naturally also supply fittings that the customer can adjust himself.

First choice: The right fittings for safe and reliable operation

Three steps to the right valve fitting:

- ① Within the listed **Categories** you must first select the requirement profile to suit your specific application.
 - ② Then follow the line until you reach the area with the right pipe **Medium**.
 - ③ Now define the desired valve **Type**.
- If the desired valve is not listed, please contact us by phone. Together we will quickly find the right product for you. This is based on the fact that the fittings listed here are just an excerpt taken from our complete programme.

Tested. Conforming to standards. Certified. – Guaranteed!

Mark that confirms reliability: The CE mark according to the Pressure Equipment Directive is compulsory for many products and supply areas. There are, however, additional certificates which underline individual quality standards: TÜV, DVGW, Germanischer Lloyd, GÖST, SINTEF, ACS. The DIN ISO 9001 certifies the in-house quality management system with its comprehensive functional and performance inspections.



Categories



Many of the fittings at Gerhard Götze KG are specially designed for use in heating and sanitary systems. Pressure reducers, for example, make sure that in the potable water supply the desired pressure is maintained throughout – whether in the detached family home or in large residential and office facilities.

And where do we find fittings of Gerhard Götze KG on a drilling rig? That's no easy question. They are all over the place. Wherever pressures have to be secured, in compressors, for example, which drive the large drills pneumatically. In places where people rely on heating and hot water. Where maximum safety has to be guaranteed. And on a drilling rigs that's just about everywhere.

Pressure, temperature, fermentation gasses: the processes in a biogas plant demand high safety requirements in several respects. This is where standard valve versions are inappropriate. Operators of biogas plants can rest assured that they are on the safe side with Götze fittings of high quality, gas-tight housing and gasket materials.

In sprinkler plants large quantities of water have to be distributed under high pressure through thick pipe strings. This is where three types of Götze valve fittings are applied, ensuring a perfect functioning: Pressure reducers regulate the water distribution. Safety valves let off excessive pressure. And overflow valves ensure a smooth pump operation.

Plants of the pharmaceuticals industry frequently require safety valves made of stainless steel. In addition to this, these valves also ideally complement the sleek and shining looks of the equipment. Gerhard Götze KG therefore recommends: top quality for top safety and an immaculate first class appearance.

Whereas heating systems are limited to max. 120 degrees, solar heating plants reach temperatures of up to 180 degrees – too hot for plastic components. Besides this, there is the frost-proof water-glycol mixture with its specific requirements regarding the sealing material. Gerhard Götze KG offers the right fittings for these applications, and can rely on its extensive experience from industrial applications.



The high-performance fittings from Gerhard Götze KG

Individuality for more safety: this has been the guiding principle behind the success of Gerhard Götze KG for over 50 years. The staff and products of Gerhard Götze KG demonstrate their reliable performance and innovation dynamics to every customer – whether concerning a small firm or a multinational group. Our qualified sales partners in Germany and abroad advise you and give you support in the design and project planning of your specific application. The result is tailor-made products developed in dialogue with you – offering maximum

advantages for both sides. You benefit from the measurable product and plant safety, from highest quality standards, standardised processing and modern design. And the engineers at Gerhard Götze KG benefit from the proximity to market activities. Here they are in constant contact with state-of-the-art developments and always open to new and advanced developments. Ask for the competence of Gerhard Götze KG – your dialogue partners, advisors, problem solvers and ingenious craftsmen addressing all issues relating to long-lasting operational and plant safety.

Air conditioning is playing a more and more significant role in heating systems. Valves suitable for heating systems frequently fail in cooling circuits where there are temperatures of below ten degrees. This often concerns glycol and different safety requirements apply. To this end, Gerhard Götze KG is able to offer tailor-made products.

Hops, malt and water: the ingredients of beer are very straightforward. This also applies to the materials used by Gerhard Götze KG in its safety fittings – and not just in the foods processing sector. The all-metal design that we have abided to for over 50 years is no different to an own voluntary »purity law«.

Applied all over the world for the operational safety of industrial plants, heating and ventilation systems

In fuel stations overflow valves are used to secure the large underground fuel tanks. In this process, it is not only the liquid media, oil and petrol, that have to be monitored, but also the developing fumes and vapours. All-metal valve fittings from Götze, equipped with high quality Viton gaskets, ensure maximum safety for the millions of customers who frequent fuel stations every day.

The higher the building, the greater the pressure in the heating pipes. And the higher the heating capacity, the larger the nominal diameters of the installations. The high quality valve fittings of Gerhard Götze KG are cut out for the safeguarding and pressure control of large heating plants in industry and house building. For this purpose we are able to offer the appropriate large nominal widths and flange connections.

Fittings from Götze are used as standard in shipbuilding, for the heating system and potable water supply, for example. There is, however, another very specific application in shipbuilding. Ships are controlled using compressed air and therefore require a reliable pressure control. Our product programme features the appropriate fittings for these applications, which come with the Germanischer Lloyd certificate for ships.

Refineries are complex and highly specialised industrial plants. This is where work is carried out under high pressure – and in more ways than one – where the handling of high temperatures and aggressive media is common practice. The wide product range at Gerhard Götze KG offers tailor-made safety, overflow and pressure reducing valves for virtually all industrial processes.



What are the prevailing pressure conditions and temperatures? Which flow rates have to be managed, which types of media are to be taken into account? And also which testing specifications have to be observed? Questions of this kind belong to the product planning at Gerhard Götze KG. For over 50 years we have been designing and manufacturing safety valves and fittings for many different fields of application. We are sure that we have the right answers for your specific needs.

Wine cellars and beverage filling plants are supplied with approved drinking water fittings from Gerhard Götze KG. In almost all cases stainless steel is used. There can be no compromises made when it comes to consumer protection!

Silo vehicles transport substances in liquid, granular or dust form. The safety valve »813« of Gerhard Götze KG is resistant to soiling, water tight and combines long-lasting safety with an unbeatable blowing-off performance.

