

Niezkodka GmbH

Valves for food and
pharmacy industries





Niezgodka GmbH

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Niezgodka GmbH was founded in 1967 in Hamburg and has remained a family firm to the present day.

Our special field is the development, production and sales of stainless steel valves for the widest variety of industrial areas.

An implemented quality management system guarantees the state of the art taking into account the standards for valves.

We rely on the latest technologies, high quality materials and the efficient handling of resources. The result of that is the high quality of our products.

Our actions are orientated to the requirements of our customers, who we care for with technical know-how and an enormous degree of flexibility.

Our strengths are your advantages!

You receive competent support from our company, from problem solving, allowing for widely varying specifications, to the selection of products and service.



Our range of products

- Safety valves
- Pressure reducing valves
- Initial pressure controllers
- Vacuum and pressure relief valves
- Pressure relief valves
- Custom valves

Our customers come from the following fields

- Food industry
- Pharmacy industry
- Industrial mechanical engineering
- Natural gas and oil production
- Maritime engineering
- Transport container construction

Food / pharmacy



Source: Procter-Gamble



Source: Glatt GmbH

We offer individual and made-to-measure solutions for the food, drink, chemical and pharmaceutical industries.

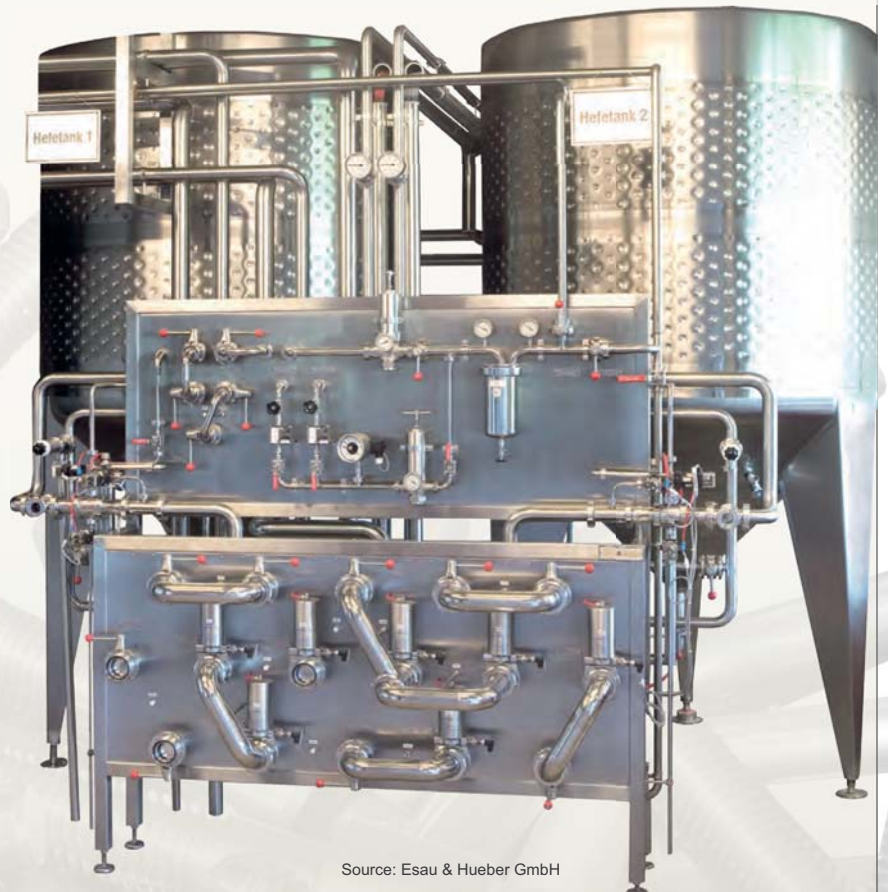
We do not just supply stainless steel valves for all areas of the process sequence, we also supply components for pressure vessel pressure regulation to match your process.

All of the materials that we use are subjected to the most stringent quality checks and conform to the common standards and requirements.

Hygienic and aseptic requirements are fulfilled. Our range includes all types of connections common to the industry and a selection of seals according to customer-specific criteria, including the requisite approvals.

We also offer:

- In-house production of special versions according to customer request
- Processing possibilities for all desired surface qualities
- Surface roughness measurements
- Delta-ferrite measurements incl. certificates
- Pneumatic drives



Source: Esau & Hueber GmbH

Pressure reducing valves for food and pharmacy industries



Valves for the reduction of high primary pressures to low reduced pressures for use in the food and pharmacy sectors. To be used in conjunction with initial pressure controllers for maintaining a constant pressure in the pressure vessel.

- Materials: 1.4301 / 1.4571
1.4435 / 1.4404
- Process connections: All aseptic connections
- Nominal widths: DN 10 - DN 100
- Control: Piston / membrane-controlled

Initial pressure controller for food and pharmacy industries



Valves for the control of a constant initial pressure in a plant, for use in the food and pharmacy sectors. To be used in conjunction with pressure reducing valves for maintaining a constant pressure in the pressure vessel.

- Materials: 1.4301 / 1.4571
1.4435 / 1.4404
- Process connections: All aseptic connections
- Nominal widths: DN 10 - DN 100
- Control: Piston / membrane-controlled

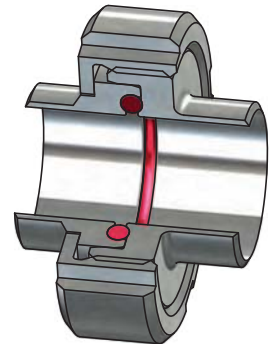
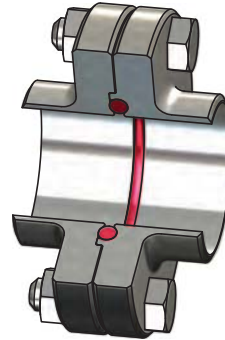
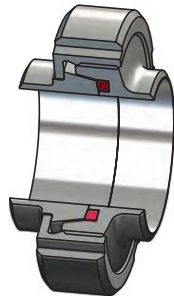
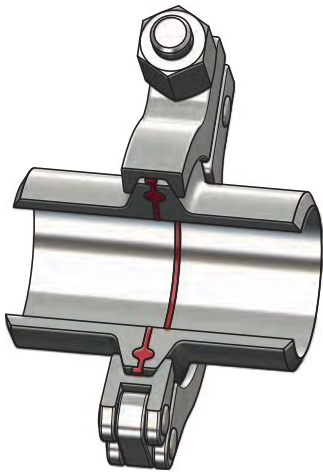
Safety and pressure relief valves for food and pharmacy industries



Valves for safeguarding pressure vessels and pipelines in the food and pharmacy sectors.

- Materials: 1.4571, 1.4435, 1.4404
- Process connections: All aseptic connections
- Nominal widths: DN 10 - DN 100
- Control: Spring-loaded / pneumatic

Connection types (selection of possible process connections)



Clamp connection: e.g.
DIN 32676
ISO 2852
ASME BPE
SMS 3017

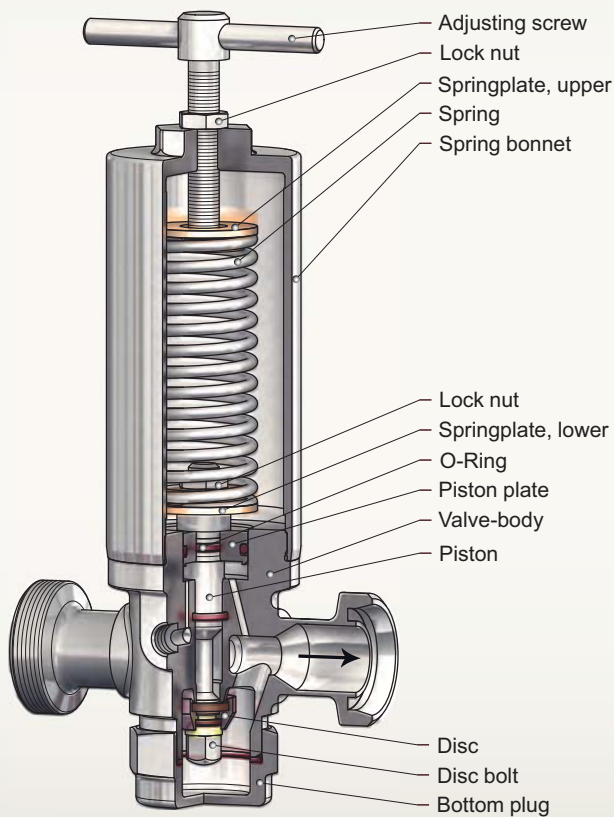
Screwed
pipe joint: e.g.
DIN 11851
for pipes
conforming to DIN

Aseptic flange
connection: e.g.
DIN 11864-2
for pipes conforming
to DIN, ISO and BS

Aseptic screwed
pipe joint: e.g.
DIN 11864-1
for pipes conforming
to DIN, ISO and BS



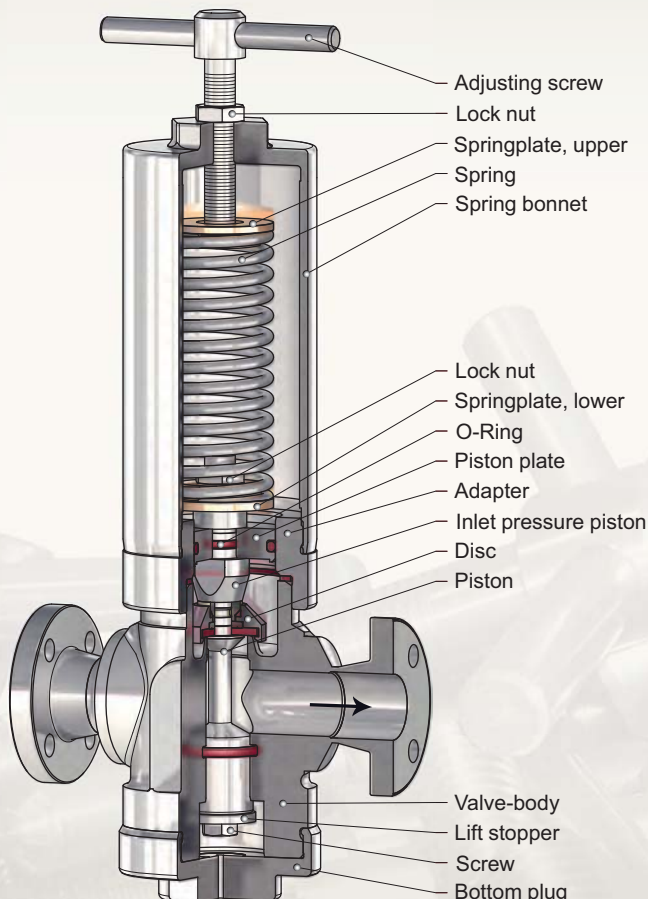
Pressure reducing valves



Stainless steel pressure reducing valves from the **SK.. and SM.. series** are independent of the primary pressure and, depending on the pressure range, are either piston or membrane controlled, spring-loaded proportional regulators. They are used to maintain the reduced pressure at a constant, adjustable set value.

If the pipeline is depressurised and the spring is pre-tensioned, the piston plate (membrane) is pushed into the open position with the piston and the disc. The medium flows between the seat and the disc and is throttled. The reduced pressure to be regulated acts via the impulse bore on the piston plate (membrane) and generates a closing force that is compared to the adjustable spring force (set value). If the reduced pressure increases, the piston plate (membrane) with the disc moves in the closing direction and if the reduced pressure decreases it moves in the opening direction. When the reduced pressure reaches the set value for the existing flow rate, the forces are balanced. If the reduced pressure increases further, the disc moves in the closing direction and seals the valve.

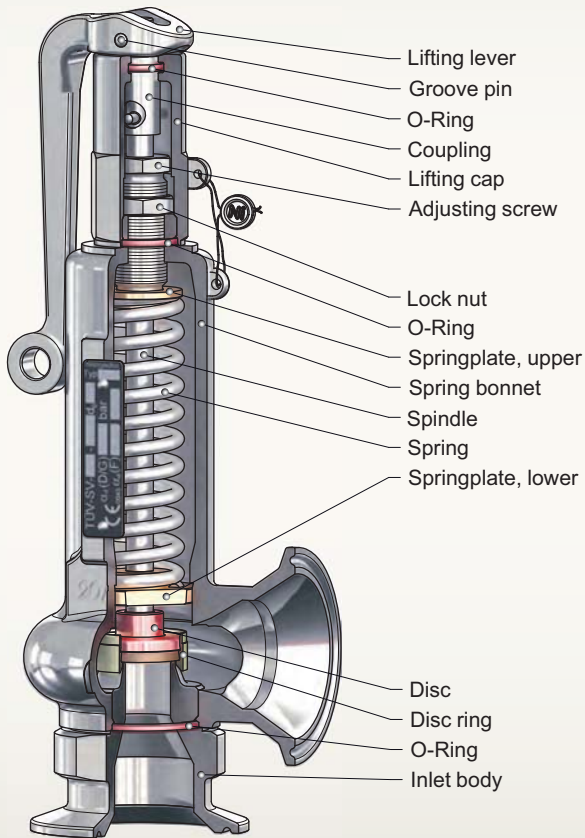
Initial pressure controllers



Stainless steel initial pressure controllers from the **SK.. and SM.. series** are independent of the after-pressure and, depending on the pressure range, are either piston or membrane controlled, spring-loaded proportional controller. They are used to maintain the initial pressure at a constant, adjustable set value and for the discharge of the excess in the reduced pressure pipe or to the outside.

If the pipeline or the pressure vessel is depressurised and the spring is pre-tensioned, the membrane is pushed with the piston plate and disc against the seat; the controller is closed in this position. The initial pressure to be regulated acts on the membrane and generates an opening force that is compared to the adjustable spring force (set value) above the membrane. When the initial pressure reaches the set value, the forces are balanced and the initial pressure controller begins to open. If the initial pressure increases further, the opening force dominates and the disc lifts up from the seat. The medium flows between the seat and the disc and is discharged. The initial pressure controllers remains open as long as the initial pressure is above the set value. If the initial pressure decreases to the set value due to the discharged flow rate amount, the initial pressure controllers closes again.

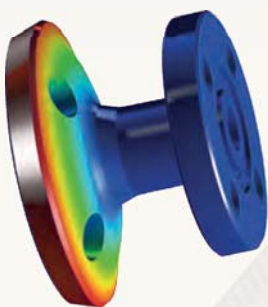
Safety valves



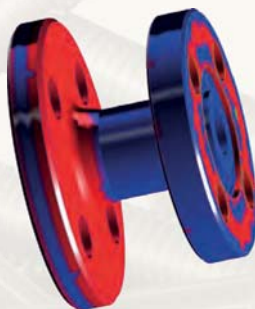
Spring-loaded stainless steel safety valves can be used as fittings with a safety function in pipelines and on pressure vessels.

If the pressure before the safety valve reaches the set opening pressure, the valve reacts. Depending on the pressure increase, a small amount of the medium will be discharged initially. If the pressure increases further, the valve opens and discharges more medium. Different pressure increase curves are permissible, depending on the medium (compressible or incompressible) and the type of valve (normal or full-stroke safety valve). If the pressure before the valve sinks below the opening pressure, the valve begins to close. Different pressure decrease curves (closing pressures) are permissible, depending on the medium.

Design



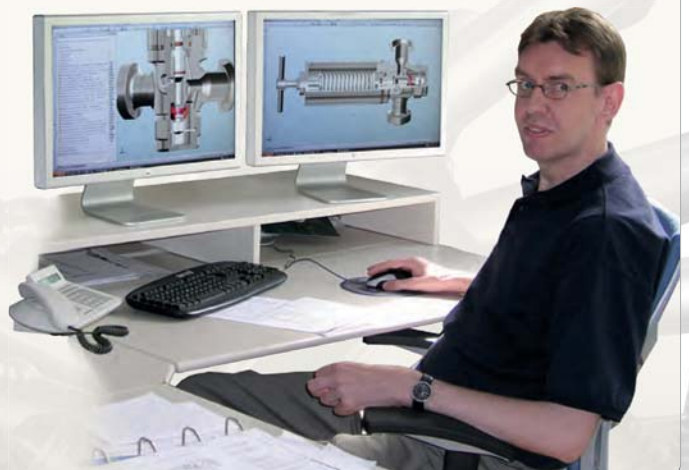
Static shift



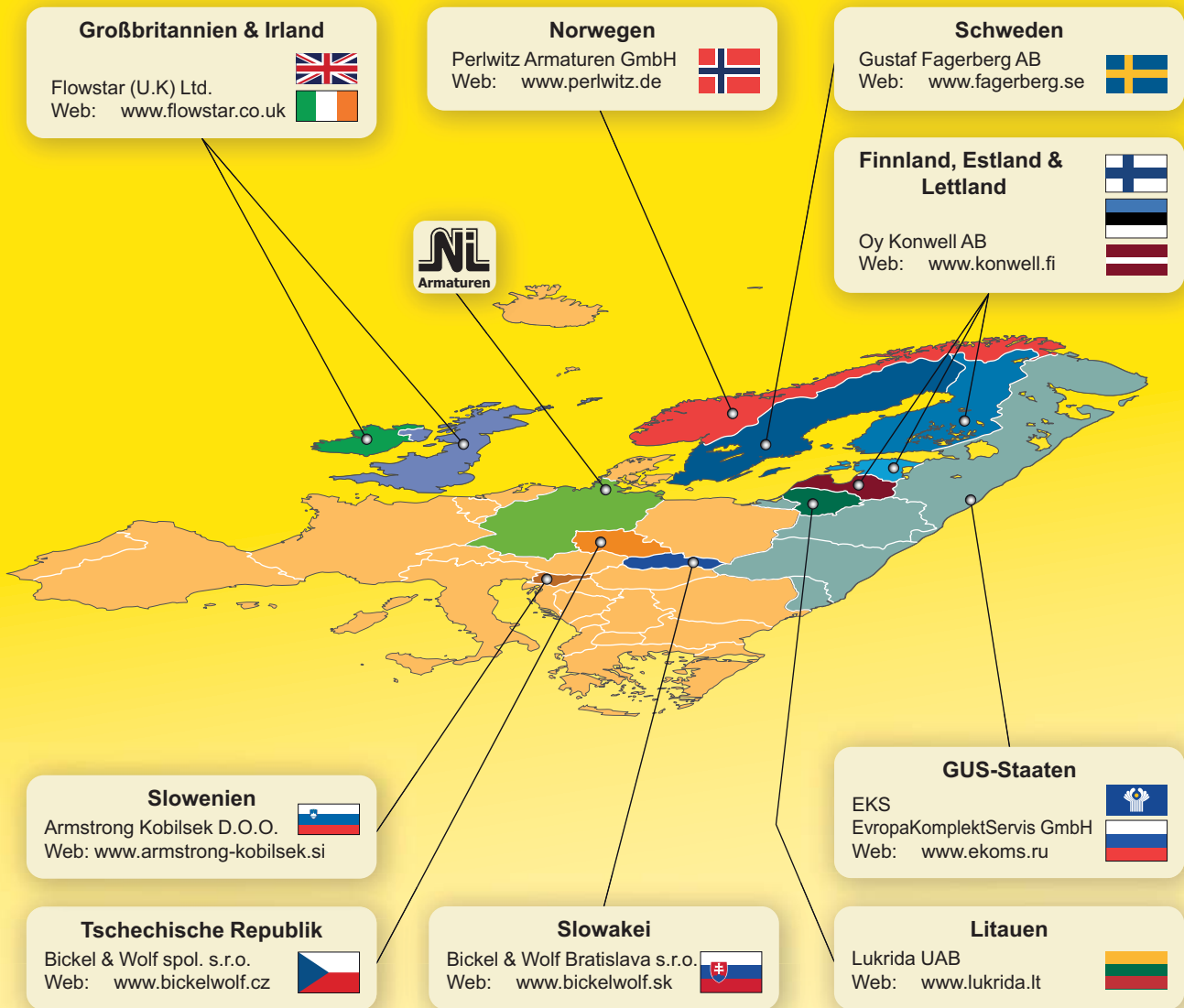
Design check

Thanks to a continuous, in-house development process within our own design department, we are also able to react immediately to special customer requests.

Today it is possible for us to illustrate models of individual parts and complete valves three-dimensionally and to carry out collision checks, movement simulations and 3D visualisations and to prepare bills of quantities on the computer system. To this end we are constantly adapting our equipment to the rapid developments in this field.



Representatives



Geographical coordinates 53° 37' 29,76" N (northern latitude)
10° 09' 33,67" E (eastern longitude)

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