

Tubes

Components

Valves

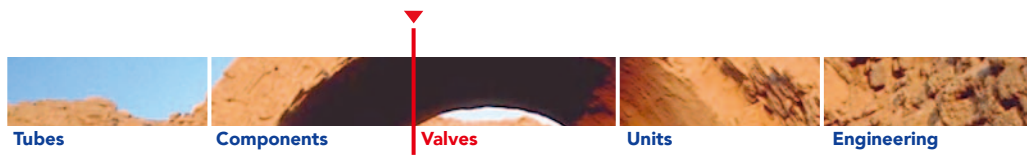
Units

Engineering

SO EVERYTHING KEEPS FLOWING

## Single Seat Valves





## Reliable shut-off valves in a modular system

Thanks to their sturdy, reliable function, single-seat valves used as shut-off valves have become an integral component of modern systems; they are an inexpensive alternative especially in production systems and as valve manifolds.

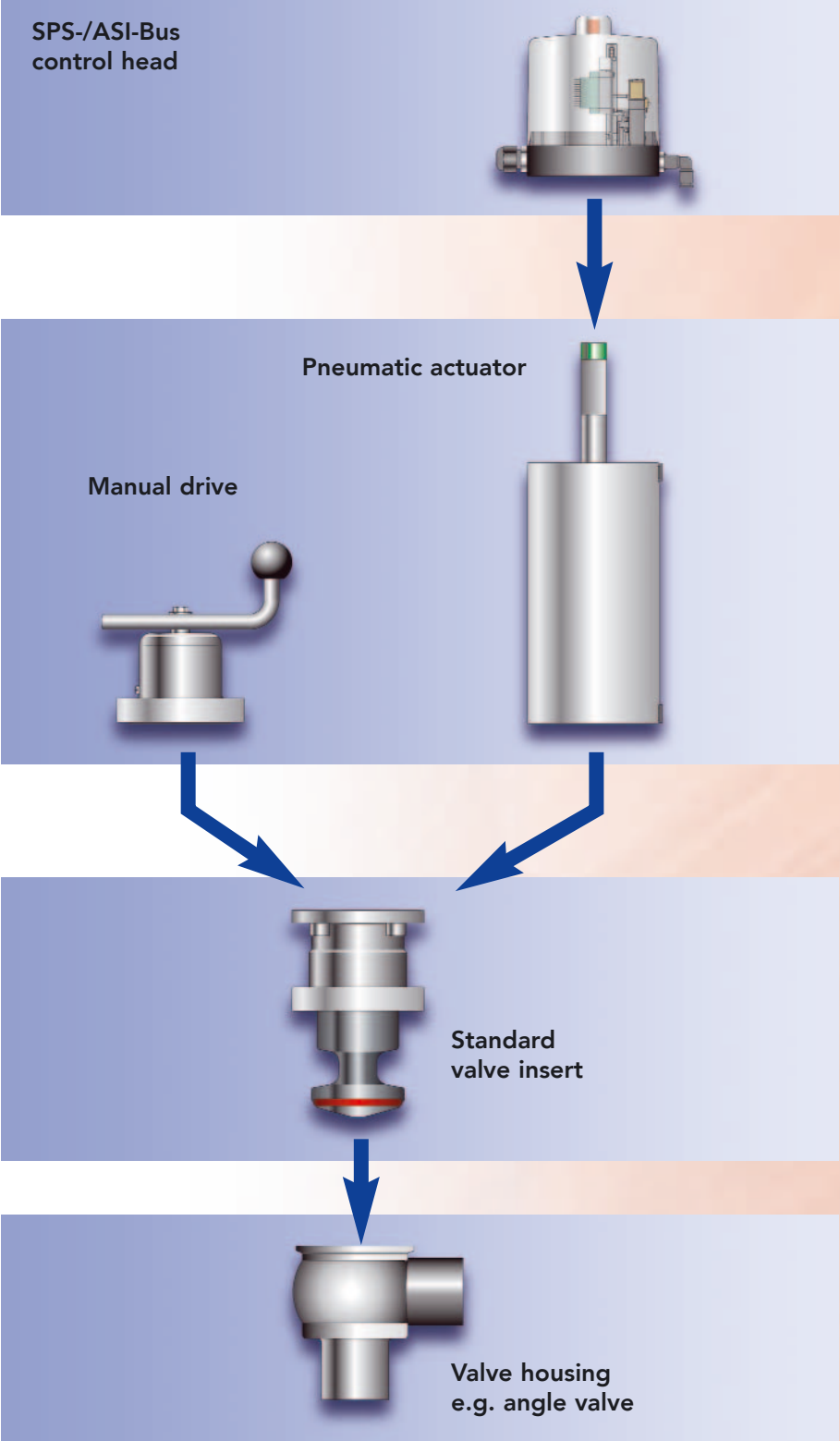
The KIESELMANN product development team has applied its years of experience to develop and optimize single seat valves to satisfy the requirement profile demanded by state-of-the-art process systems. Reliability and longer maintenance intervals, thanks to the use of a universally applicable sealing material, as well as service-

friendly models are the results. The actuator and the valve disk can be removed in one piece for servicing simply by releasing the clamp lock. The clearance volume-free interior design with a surface quality  $\leq 0.8 \mu\text{m}$  means that even the standard version guarantees safe hygienic production. The modular system also facilitates subsequent adjustments with regard to operation and control.

There are numerous different types available for a variety of applications.



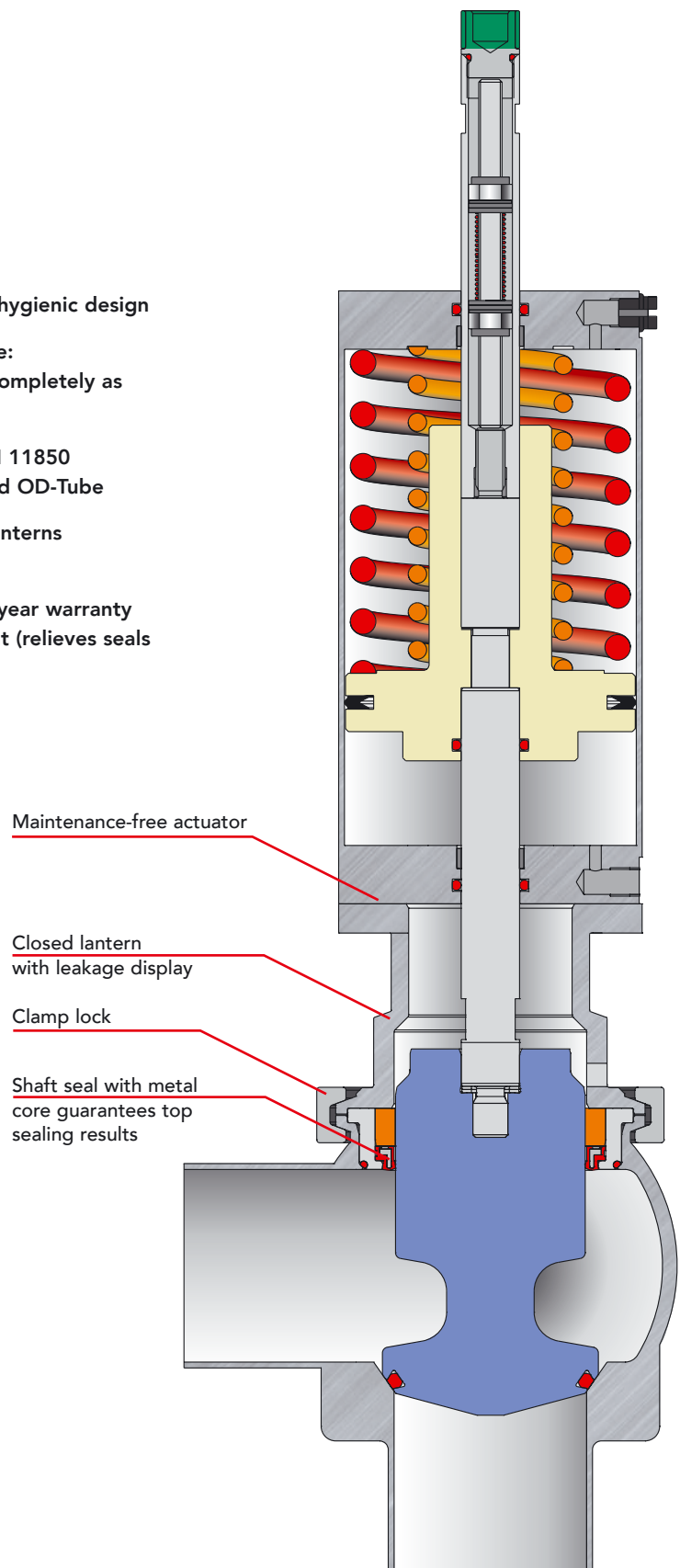
**Flexible  
combinations**



## Single Seat Valve

### Top quality basic version

- ▶ Clearance volume-free housing in hygienic design
- ▶ Clamp lock for simple maintenance:  
The valve insert can be removed completely as one unit
- ▶ Weld ends in accordance with DIN 11850 Series 2, and DIN EN ISO 1127 and OD-Tube
- ▶ Hygiene safety thanks to closed lanterns with leakage outlet
- ▶ Maintenance-free actuator with 5-year warranty and torsion-free upward movement (relieves seals of the valve disk)
- ▶ Modular system



## Automatic Control

- ▶ Easy, modular retrofitting of the manual and pneumatic valves possible
- ▶ Plug-on control circuit board, cast in a slide-in frame for protection
- ▶ Transparent, splashproof plastic housing
- ▶ Easy maintenance, easy assembly/dismount with 2 screws
- ▶ SPS, ASI bus and further systems
- ▶ Control head type ASI-BUS-ES with emergency switch-off of the solenoid valves



ASI-BUS-ES control head with selective emergency cut-off and 2 freely assignable control inputs



Angle valve with pneumatic actuator and control head



Changeover valve with pneumatic actuator and control head



Tank outlet valve with pneumatic actuator and control head



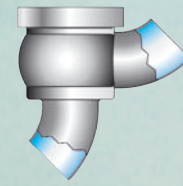


## Numerous types

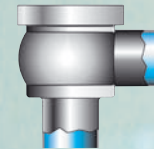
The large number of types allows you to find the right valve for your particular application. All valves are compatible with the modular system and can be converted from manual to pneumatic at a later date. And of course, they can also be fitted with a bus-capable control head for automated processes.

### Technical Data

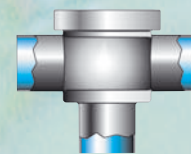
Installation sizes:	DN 25 – 150 OD 1" – 6"
Operating pressure	6 bar
Vacuum	1,5 x 10 <sup>-6</sup> mbar x L/S
Material in product-contact	AISI 316L (1.4404)
Surface in product-contact	RA ≤ 0,8 µm
Exterior surface	bright polished
Sealing material	EPDM, HNBR, <i>k-flex</i>
Drive	manual oder pneumatic air open - spring close air close - spring open air close - air open
Control air pressure	5,5 - 8 bar 6 bar (Changeover valve)
Connection weld end	DIN 11850, R2 OD / Zoll



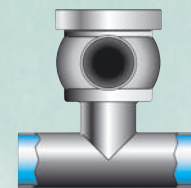
Inclined seat valve



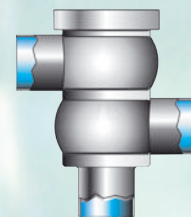
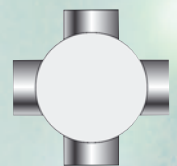
Angle valve



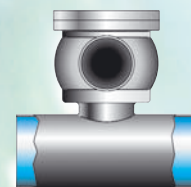
T-valve



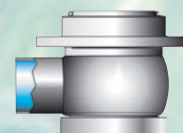
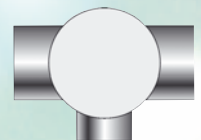
Cross valve



Changeover valve



Loop valve



Outlet valve



Tubes



Components



Valves



Units

Engineering

**Quality and  
responsibility  
secure  
the result**

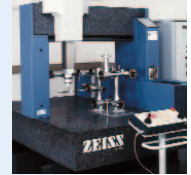
After more than 70 years experience, KIESELMANN has achieved a leading position in the production of processing components in stainless steel for the food-, chemical- and pharmaceutical industry. Our success is based mainly on the high quality awareness of employees, combined with a constantly growing performance demand.

Due to continuous product development and constant improvement of the organization, KIESELMANN is today prepared for the tasks of the future.

At the parent plant in Knittlingen as well as in numerous national and international representatives, highly motivated and trained employees are at your disposal.

We look forward to a successful cooperation with your company.

Certified according to DIN EN ISO 9001



Quality control with program controlled machines



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# KIESELMANN

**TECHNOLOGY AND KNOW-HOW IN STAINLESS STEEL**

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