

SO EVERYTHING KEEPS FLOWING

**Butterfly valves**  
**Leakage butterfly valves**  
**Ball valves**





**Quality down to the smallest detail**

Butterfly valves and ball valves are the most used shutoff devices in process engineering. Demand the best from your plant! Kieselmann stainless steel valves ensure top quality in dimensional stability and surface finish. All the sealing elements used, naturally have the approvals required for the food industry, e.g. FDA and the Weihenstephan EHEDG Hygiene Certificate. The modular system enables quick and easy changeover from manual to pneumatic or electropneumatic actuator at any time.



Option: Multi-direction butterfly valve with switching rod

## Butterfly valves, Leakage butterfly valves and Ball valves – Manual operation

### Butterfly valves

DN 15 – 150

- ▶ Thermally stable handle in ergonomic design with 360° actuation, 90° locking or optionally switching limitation
- ▶ Standard or short handle design, Material: stainless steel or plastic, optionally in colours of your choice
- ▶ Sealing materials: silicone, EPDM, Viton, HNBR, *k-flex*
- ▶ Suitable for vacuum use

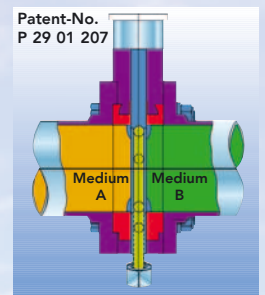


Version with proximity switches

### Leakage butterfly valves

DN 50 – 125

- ▶ Cost effective leakage protection
- ▶ Sealing materials: EPDM, HNBR
- ▶ Hygienic by clean possibility of the leakage chamber
- ▶ Easy maintenance construction with only one sealing element for easy seal exchange



Functional principle of the leakage butterfly valve

### Ball valve / 3-way ball valve

DN 25 – 100

- ▶ Robust, easy-to-install design
- ▶ Spring preloaded shaft seal
- ▶ Gap-free housing seal based on the aseptic union principle
- ▶ Pressure shock resistant
- ▶ Piggable

Optionally:

- ▶ PTFE cavity fillers
- ▶ Cleaning connections for external cleaning of the cavities
- ▶ Heatable



Ball valve cross-section model





## Switch to automatic

Kieselmann supplies its whole range of shutoff devices with pneumatic multiturn actuator for automatic operation. All shutoff devices can also be easily retrofitted without intervention in the pipe system. What distinguishes Kieselmann multi-turn actuators is their particularly high torque and the resulting reserve capacities.

The closed design in a stainless steel housing is absolutely maintenance-free. A standard position indicator also enables to recognize clearly the respective valve status. The practical proximity switch holding device ensures lastingly reliable feedback without annoying readjustment of the proximity switch.

The actuators are available in the following designs:

- ▶ Air open - air close
- ▶ Air open - spring close
- ▶ Spring open - air close

## Butterfly valves, Leakage butterfly valves and Ball valves with pneumatic actuator

- ▶ High torque
- ▶ Maintenance free
- ▶ Three actuator sizes: PDA 75 / 100 / 125 compatible connection
- ▶ Precise placement of the position indicator, no adjustment required
- ▶ Clearly visible position indicator
- ▶ Easy assembly/dismount
- ▶ 5 year operative guarantee



Clearly visible position indicator with holder for two proximity switches



Closed connection between multiturn actuator and ball valve / leakage butterfly valve



### Butterfly valves with pneumatic multiturn actuator (PDA)

DN 15 - 20	(PDA 75)
DN 25 - 100	(PDA 100)
DN 125 / 150	(PDA 125)

### Leakage butterfly valves with pneumatic multiturn actuator (PDA)

DN 50 - 100	(PDA 100)
DN 125	(PDA 125)

### Ball valve with pneumatic multiturn actuator (PDA)

DN 25 - 80	(PDA 100)
DN 100	(PDA 125)

### 3-way ball valve with pneumatic multiturn actuator (PDA)

DN 25 - 65	(PDA 100)
DN 80 - 100	(PDA 125)



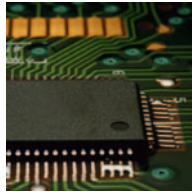
Tubes

Components

Valves

Units

Engineering



### Clever controls



The high level of automation of modern plants requires intelligent systems. Bus systems enable specific control with feedback and low cabling requirements. Kieselmann offers all its shutoff devices with a control head with bus capability. The printed circuit board with flange-mounted solenoid valves, placed in a transparent housing, is the same for all Kieselmann valves. It can be adjusted to the various valve functions by means of a rotary switch. In addition to a mechanical indication, the integrated LEDs enable reliable identification of the valve position on site. With the new ASI-BUS-ES control head it is even possible to switch-off individual valves in case of emergency, whereby the bus remains fully functional and controllable.

## Shutoff valves with control head

- ▶ Easy, modular retrofitting of the manual and pneumatic valves possible
- ▶ Plug-on bus 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

Butterfly valve with pneumatic multiturn actuator and control head



Leakage butterfly valve with pneumatic multiturn actuator and control head



Ball valve with pneumatic multiturn actuator and control head



3-way ball valve with pneumatic multiturn actuator and control head





**Quality and  
responsibility  
secure  
the result**

After more than 65 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.



Quality control with program controlled machines



Most modern equipment for construction and production



Particular test center for new developments and product control

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

Kieselmann GmbH · Paul-Kieselmann-Str. 4 -10 · 75438 Knittlingen-Germany  
Phone +49 (0)7043 371-0 · Fax +49 (0)7043 371-125

Kieselmann Anlagenbau GmbH · Paul-Kieselmann-Str. 6 · 75438 Knittlingen-Germany · Phone +49 (0)7043 371-0 · Fax +49 (0)7043 371-289