





an "iconic product". Other colours are available on request. A stainless steel handle is also available.



Content

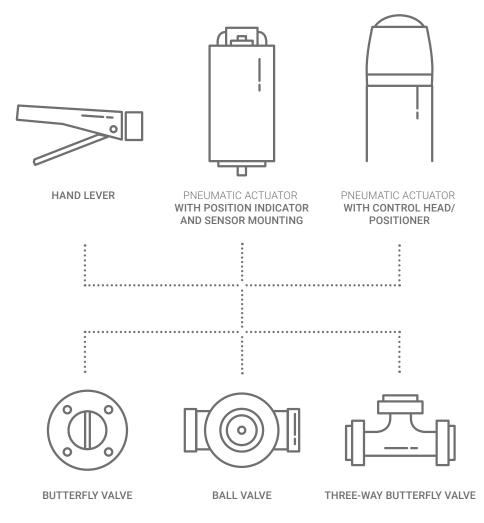
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KIESEL MANN stainless steel valves:

Highest quality in dimensional accuracy and surface finish. All sealing elements used have the necessary approvals for the food industry. The modular design of our valves allows quick and easy switching from a manual lever to a pneumatic actuator with sensors or control head.





BUTTERFLY VALVES

The space-saving solution

KIESELMANN butterfly valves are the space-saving solution for shutting off product flows in process systems such as on panels and tanks in a hygienic and inexpensive way. They are also available as intermediate flange butterfly valves as well as numerous other connection variants, such as welding and threaded ends. We manufacture all valves at our headquarters in Knittlingen.



The sealing elements used all have suitability certifications for use in the food industry.

The ergonomic thermal protection handle of our butterfly valves is available with a 90° lock and optionally with shift limit. Alternatively, these valves are also available with a stainless steel handle.

Automatically cost-effective

Automation is also possible with this cost-effective valve solution. Our modular system makes it possible to quickly and inexpensively convert the manual lever to a pneumatic actuator without disconnecting any pipeline connections to the pipeline. The actuators are available with sensors or control head KI-TOP.

PDF

DOCUMENTATION

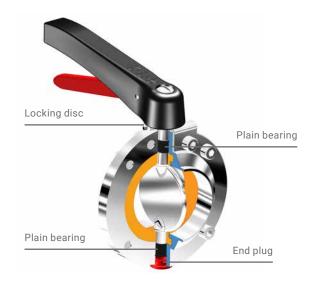
You can download all important data, information and certificates about our products at www.kieselmann.com/downloads

TECHNICAL DATA	
Sizes	DN 15 - 200 / 1"- 4"
Materials in product contact	1.4301 / AISI 304 1.4307 / AISI 304L 1.4404 / AISI 316L
Seals	EPDM (SIP 140° C, 30 min) HNBR (SIP 110° C, 30 min) Silicone (SIP 100° C, 30 min) FKM (SIP 90° C, 30 min)
Surfaces in product contact	Ra ≤ 0.8 µm
Operating pressure: DN 15 - 65 / 1" - 2½" DN 80 - 100 / 3" - 4" DN 125 DN 150 DN 200*	16 bar 10 bar 6 bar 6 bar 6 bar
Operating temperature	95° C
Control air	5.5 – 8 bar Lower control air pressures on request
Connection variant	Welded, threaded, flange, clamp and conical socket/ nut connection

^{*} Nominal size only available as intermediate flange butterfly valves

ADVANTAGES

- > Ergonomic thermal protection handle, 90° lock or optional shift limit
- Standard or shortened handle design, fiberglass reinforced plastic material, available in your choice of colours or stainless steel
- > Sealing materials Silicone, EPDM, FKM, HNBR
- > Vacuum insert suitable
- > Easy installation, many connection options
- > Three-way butterfly valves with switching combinations
- > Service-friendly intermediate flange design
- > Tailor-made and long-term spare parts supply





LEAKAGE BUTTERFLY VALVES

Secure and adaptive

KIESELMANN leakage butterfly valves provide increased process security. Mix-proof separation of different media is ensured via the dual-sealing, one-piece valve disc. Runoff-drains allow direct detection of any leaks. Identified, eliminated: Thanks to our maintenance-friendly valve design. The drains can also function as rinse connections, ideal for Cleaning-in-Place (CIP) processes.

KIESELMANN leakage butterfly valves are generally available in intermediate flange version.

This design and the split housing allow the seals to be easily and quickly replaced.

Functional principle

When closed, the butterfly valve with a tandem seal ensures that different media remain separated without leaking.

Any leaks at the butterfly valve seal flow without pressure through the leakage drain port at the leakage outlets.

The leakage chamber can be integrated into a CIP circuit via the rinsing connections. For demanding products, we generally recommend cleaning the leakage chamber.



TECHNICAL DATA	
Sizes	DN 50 -150 / 2" - 4"
Materials in product contact	1.4404 / AISI 316L
Seals	EPDM (SIP 140° C, 30 min) HNBR (SIP 110° C, 30 min)
Surfaces in product contact	Ra ≤ 0.8 µm
Operating pressure: DN 50 -100 / 2"- 4" DN 125 -150	10 bar 6 bar
Operating temperature	95° C
Control air	5.5 – 8 bar Lower control air pressures on request



ADVANTAGES

- > Cost-effective leakage protection
- > Sealing materials EPDM, HNBR
- > Hygienically safe due to easy cleaning of the leakage chamber, CIP appropriate
- > Easy-to-maintain design with just one sealing element





PRODUCT VIDEO

Visit us on YouTube. Get to know the functions of our leakage butterfly valves. In the search box, enter: KIESELMANN Leakage Butterfly Valve Functions



BALL VALVES

A nice piece of work

KIESELMANN straight-way ball valves provide pipe-level, piggable passages for liquid, viscous and particulate media. Your solution for almost all applications in the beverage and food industry.







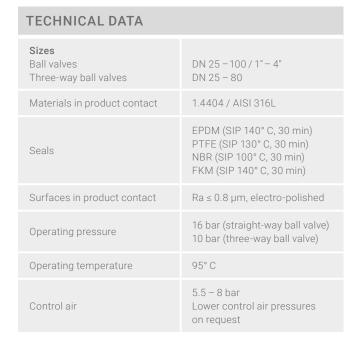
Safe, robust and flexible: Three-way ball valves from KIESELMANN offer additional options for process control.

The best solution for every requirement

KIESELMANN three-way ball valves have been used successfully in the beverage and food industry for many years.

KIESELMANN ball valves are easily adaptable: Our intelligent modular system makes it easy to switch from a manual lever to an automated, pneumatic actuator at any time. The actuators of the ball valves can be equipped with a sensor or control head.







ADVANTAGES

- > Robust, designed to be easy to install
- > Spring preloaded shaft seal
- > Piggable

Optional:

- > Full PTFE cavity fillers with minimal clearance volume
- > Rinsing connections for cleaning
- > Heating jacket



Automate valves easily. The modular design of the KIESELMANN valves makes it possible to convert from a manual lever to a pneumatic actuator at any time. Our actuators are equipped with mechanical position indicator, sensor mounting and compressed air connection.

Power & brains: Actuators with KI-TOP control heads.

Our control heads already contain control electronics and pilot valves. They can be connected to the bus system via various systems, such as cable entry or M12 connectors. KIESELMANN control heads support all common bus systems, such as PLC, AS-i and IO-Link. The connection to the supply air is made by compressed air quick connector on the control head.

The control board can be fitted with an LED all-round display. The colours of the display are freely configurable and can each be assigned to a valve position. For optimal visual control.

Also with ATEX explosion protection

In production areas with highly flammable and explosive substances, such as in whisky distilleries, our tested control heads ensure maximum safety. They comply with the ATEX Operating Directive 1999/92/EC for use in explosive, hazardous dust and gas atmospheres. As group II category 3 or category 2 devices, they are suitable for zones 1 and 21 as well as 2 and 22.



OPERATION

Manual lever

The handy way.

The KIESELMANN thermal protection handles fit well in your hand and are easy and safe to operate. The handles are available with a 90° lock and with optional shift limit.





ADVANTAGES

- > Ergonomic thermal protection handle (also in colour of choice)
- > Different sizes depending on nominal diameter

PNEUMATIC ACTUATOR

in three sizes

The actuators PDA 75, PDA 100 and PDA 125

provide the perfect performance for your processes. The flexibility of our modular valves is also continued with our actuators. They are compatible with all KIESELMANN rotary valves and can be exchanged in a few simple steps.

PNEUMATIC ACTUATOR

with position indicator and sensor mounting

The actuator has the position indicator with sensor mounting. The installation of inductive sensors with M12x1 thread can be used to query the "open" and "closed" positions. By screwing the sensor to the limit position the required switching gap for the signal transmission is established.





When the valve is closed, the position indicator is at 90° angle from the valve passage, and when the valve is open it is even to the valve passage.

ADVANTAGES

- > Three actuator sizes PDA 75/100/125
- > Five year warranty
- > Three functions can be chosen
 - · air-opening air closing
 - · air-opening spring closing
 - spring opening air closing

ADVANTAGES

- > Standard delivery: Actuator with position indicator and sensor mounting
- > Precise positioning of the sensors, no adjustment required
- > Clearly visible optical position indicator



NEW PERSPECTIVES

The KIESELMANN 3-D Brewery Experience of the Doppelleu Brauwerkstatt is something special. The three-dimensional YouTube video gives you a vivid impression of our know-how and expertise: www.kieselmann.com/3D

PNEUMATIC ACTUATOR

with control head KI-TOP

PNEUMATIC ACTUATOR with positioner

The alternative to the central control cabinet: The digital control head KI-TOP with automation components. The integrated electronics controls the solenoid valve, detects status and returns it. The control heads consist of a bottom part with bayonet lock and a plastic or stainless steel cover (protection class IP 65). Positioners offer the highest flexibility in metering and flow reduction. They are the intelligent solution for cost-effectively implementing simple control tasks with butterfly valves. For high control accuracy, the KI-DS control valve series is the right choice.





Electro-pneumatical positioner 8615

ADVANTAGES

- > Optional with PLC, AS-i, IO-Link and ATEX versions
- > Fully automatic
- > Freely configurable colour LED display







ADVANTAGES

- > Regulation of volume flows
- > Space-saving
- > Cost-effective
- > Can be used for simple regulation

Available brochures:

> Tubing







- > Butterfly valves and ball valves
- > Single seat and double seat valves
- > Aseptic valves
- > Safety valves
- > Cleaning technology
- > Automation technology



NEW: Our online product catalogueQuick access to food-grade tubes,
stainless steel valves and fluid process
technology equipment.

The KIESELMANN catalogue with more than 8,000 articles: www.kieselmann.com/catalogue

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