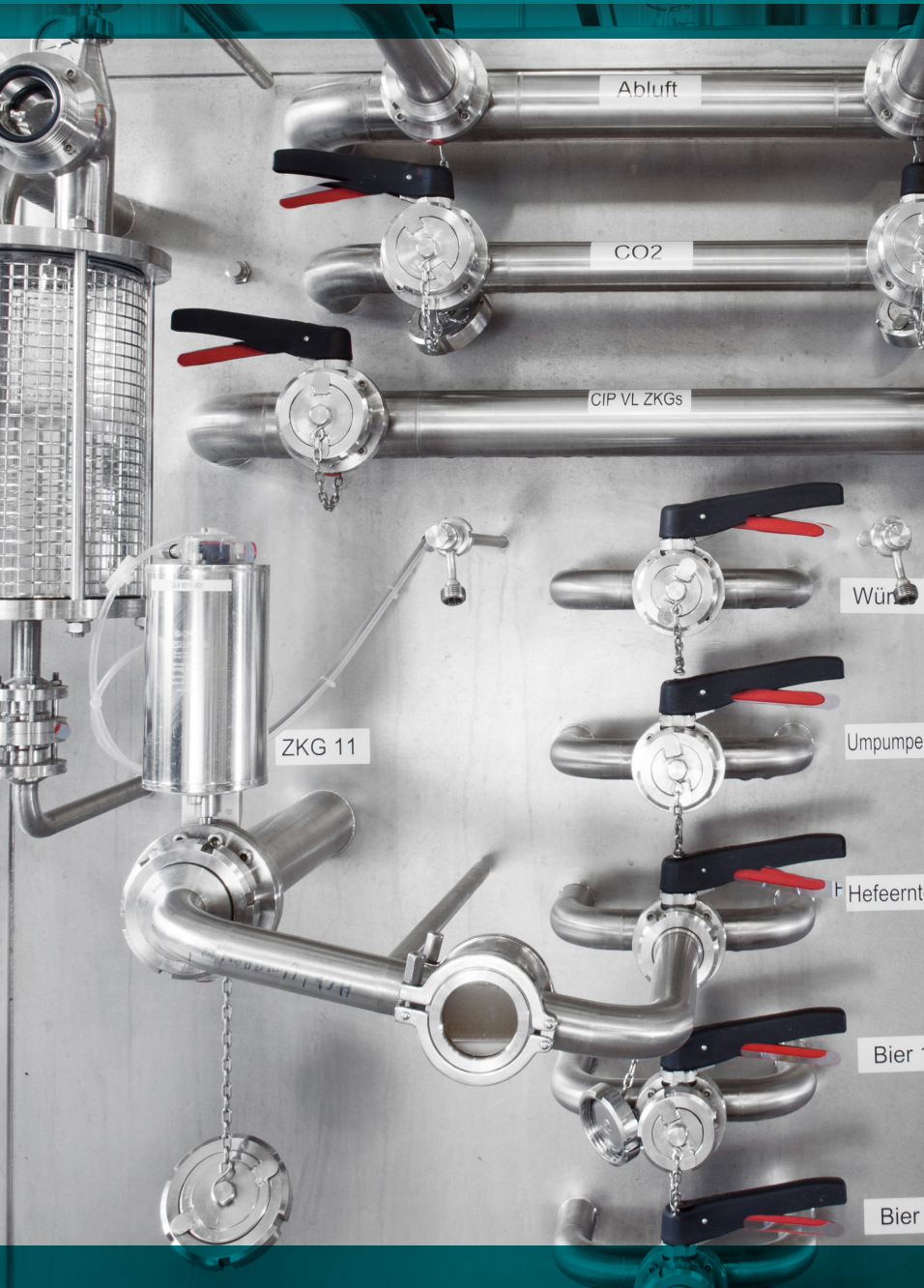
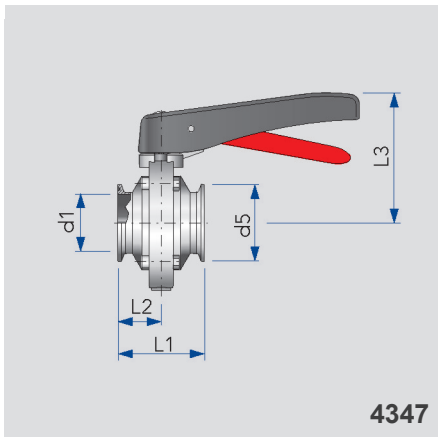


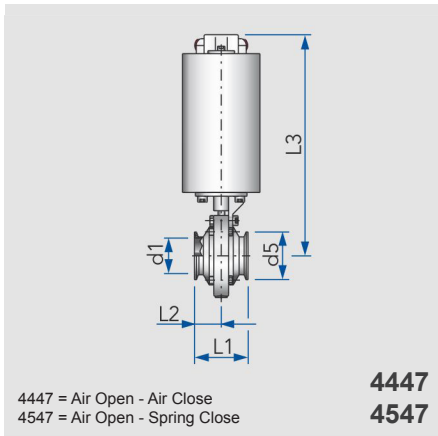
Butterfly valves

Leakage butterfly valves





Size	D1	D5	L1	L2	L3	Weight (kg)
	(Metric millimeters)					
1"	22.9	50.5	68	34	95	1,21
1.5"	35.1	50.5	68	34	101	1.29
2"	47.8	64	72	36	109	1.75
2.5"	60.5	77.5	76	38	121	2.55
3"	72.1	91	88	44	129	3.41
4"	97.6	119	88	44	139	3.94



Size	D1	D5	L1	L2	L3	Weight (kg)
	(Metric millimeters)					
1"	22.9	50.5	68	34	285	5.94
1.5"	35.1	50.5	68	34	291	6.02
2"	47.8	64.0	72	36	300	6.48
2.5"	60.5	77.5	76	38	385	7.23
3"	72.1	91.0	88	44	316	8.80
4"	97.6	119.0	88	44	329	9.40



Butterfly 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 EHEDG Hygiene Certificate. The modular system enables quick and easy changeover from manual to pneumatic or electropneumatic actuator with proximity switch or KI-TOP control head at any time.



Butterfly valves

1" – 4"

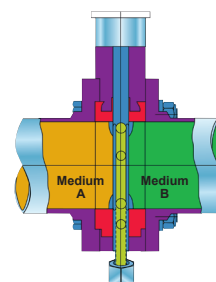
- Thermally stable handle in ergonomic design with 360° actuation, 90° locking or optionally switching limitation.
- Standard or short handle design (available on request), Material: plastic, optionally in colours black/red or black/blue.
- Sealing materials: silicone, EPDM, Viton, HNBR.
- Suitable for vacuum use.



Leakage butterfly valves*

2" – 4"

- Cost effective leakage protection.
- Sealing materials: EPDM, HNBR.
- Hygienic design with external connections for cleaning of the leakage chamber.
- Simple design benefits from single seal element making servicing easy.



Functional principle of the leakage butterfly valve

* For further information on leakage butterfly valves please contact our office.

We provide security for your process by automatic control



Switch to automatic

KIESELMANN supplies its whole range of butterfly valves with pneumatic 90 degree rotation actuators for automatic operation. All valves can also be easily retro-fitted without intervention in the pipe system. What distinguishes KIESELMANN 90 degree rotation 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.

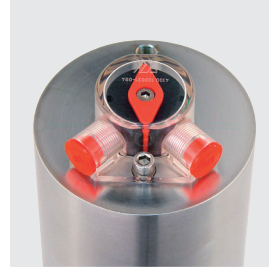
The actuators are available in the following designs:

- Air open - air close – (LO - LS)
- Air open - spring close – (LO - FS)
- Spring open - air close – (FS - LO)



Butterfly valves and leakage butterfly valves with pneumatic actuator

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



Clearly visible position indicator with holder for two proximity switches



Closed connection between multiturn actuator and leakage butterfly valve

Butterfly valves with pneumatic 90 degree rotation actuators (PDA)

1" - 1.5" (PDA 75)
1.5" - 4" (PDA 100)

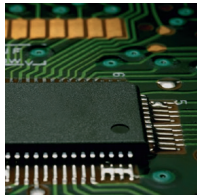


Leakage butterfly valves with pneumatic 90 degree rotation actuators (PDA)

2" - 3" (PDA 100)
4" (PDA 125)



Electronic Control Heads with valve position feedbacks



Clever controls

The high level of automation of modern plants requires intelligent systems. KIESELMANN offers all its butterfly valves with a control head with bus capability. Bus systems enable specific control with feedback and low cabling requirements. 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 ASI-BUS-ES control head KI-TOP it is even possible to switch-off individual valves in the plant in case of emergency, whereby the bus remains fully functional and controllable.



Shutoff valves with control head

- Easy, modular retrofitting of the pneumatic valves possible
- Plug-in circuit board with moulded mounting frame for protection
- Transparent, splashproof plastic or stainless steel housing
- Easy maintenance, easy assembly/dismount with 2 screws
- SPS and ASI bus
- Control head KI-TOP ASI-BUS-ES with emergency switch-off of the solenoid valves



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



Perfect visible indication of valve position (green = open, red = closed, flashing = intermediate positions)



Butterfly valve with pneumatic 90 degree rotation actuators and control head KI-TOP



Leakage butterfly valve with pneumatic 90 degree rotation actuators and control head KI-TOP



KI-TOP

KI-TOP is a control head system in modular design for the control and inspection of process valves. It has many possible applications – and many variants. The boards which are fitted with plug-type connections, are available as a standard and a premium version as well as in SPS and ASI bus design. Both of them can be provided with rotating lights and are retrofittable. So you can be sure to survey your processes in production at any time. KI-TOP's can be fitted with plastic and special steel hood. Owing to the sealing of the components, degree of protection IP 67 is obtained. In addition, the boards are protected with a polyolefine sealing compound. This provides a reliable protection of the high-quality electronics and a safe function.

- All-round visible status indication
- Control and information of up to 4 valve positions
- Safe indication of final positions (Intermediate positions are indicated by flashing)
- Exact position inquiry by means of automated learning mode
- Safety owing to emergency stop function
- Pulse-width modulation electronics for low energy demand



TECHNICAL DATA OF KI-TOP

BUS-Technology:	SPS / ASI-Bus optional
Internal connections:	SPS/ASI-Bus Power supply for external Solenoid valve JTAG interface - Rotary switch for Valve type/Function - Switch for ES function - Key button for learning mode
External connections:	Screwed cable gland ASI connector M12 4/5 poles
Housing:	- Plastic hood with integrated indicating range - Special steel hood with or without indicating range

Set on premium

100% function control due to internal position indication. This means that there will no longer be any disturbing or susceptible external sensors. All information e.g. valve open/close or lift upper/lower disk will be scanned and transmitted via an internal sensor technique of the circuit board!

The adjustment of the valve position takes place via an automated learning mode, adjustment of the sensors can be completely omitted. The control heads are very easy to maintain by means of a modular circuit board design. The plain and clearly arranged of each component make the KI-Top's known as a user-friendly control for your valves. The ASI-BUS-100 control heads can be used depending upon execution either in standard ABslave or in A/B-slave ES (emergency stop) configurations. Furthermore, they can be updated and customised due to the JTAG-interface.

