



Electromotive 2/2 way globe valve (ON/OFF)

- Safety position via energy storage
- Rapid flow shut off
- Weather and impact resistant design
- Hygienically designed surface
- Versatile diagnostic options

Product variants described in the data sheet may differ from the product presentation and description.

Can be combined with

	Type 3320 Electromotive 2/2 way angle seat valve (ON/ OFF) ▶
	Type 3360 Electromotive 2 way angle seat control valve ▶
	Type 3361 Electromotive 2 way globe control valve ▶

Type description

The innovative Bürkert process on/off valve Type 3321 is the solution when it comes to shut-off tasks under demanding operating conditions.

The electromotive actuator of the globe valve with ball screw moves the swivel plate to the desired end position at a particularly high speed up to 6 mm/s. Thereby it reacts almost instantaneously to process signals. If necessary, the safety position can be approached by an optional energy storage in case of power failure.

The electromotive actuator and shut-off valve are adapted perfectly to each other with closed design and robust surface. This ensures the hygienic requirements of fast and residue-free cleaning.

Harsh ambient conditions are no problem for the electromotive globe valve type 3321 due to the protection class IP65/IP67 and the high impact and vibration resistance. Thanks to the tried-and-tested, self-adjusting packing gland with exchangeable V-seals, the globe valve achieves maximum service life and tightness.

The Type 3321 shut-off valve, which is suitable for fieldbuses, offers the operator many helpful functions for process monitoring, valve diagnostics and preventive maintenance and thus the decisive advantage of modern process automation.

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1. General technical data

Note:

- **AG2:** Actuator size 2 with a nominal force of 1300 or 2500 N for seat size 15...50
- **AG3:** Actuator size 3 with a nominal force of 7700 or 10000 N for seat size 40...100

Product properties	
Dimensions	Detailed information can be found in chapter “4. Dimensions” on page 8.
Material	Detailed information can be found in chapter “3. Materials” on page 6.
Design	Globe on/off valve
Nominal diameter	DN 15...100, NPS ½...4
Safety setting in case of power failure	With SAFEPOS energy-pack: open, closed or freely programmable Without SAFEPOS energy-pack: blocked in last position
Flow direction	Against closing direction (below seat)
Weight	Actuator depending on version up to: AG2: 5.5 kg AG3: 16 kg (Total weight including valve body depending on port connection)
Performance data	
Operating pressure	0...25 bar(g) (see “5.1. Fluidic data” on page 16) Vacuum version up to -0.9 bar(g) (optional)
Nominal pressure	PN 25 (DIN EN 1333), Class 150 (DIN EN 1759)
K _v value	4.7...165 m³/h (see “5.1. Fluidic data” on page 16)
Closing time ^{1,3}	AG2: 2.3...6.6 s AG3: 8.7 s (Depending on travel speed, stroke and operating conditions)
Travel speed ^{1,3}	6 mm/s (for AG2 actuator force 1300 N) 4 mm/s (for AG2 actuator force 2500 N) 3 mm/s (for AG3 actuator load 7700 N and 10000 N) (Depending on operating conditions)
Electrical data	
Operating voltage	24 V DC ± 10 % (max. residual ripple 10 %)
Operating current ^{1,3}	AG2: Max. 3 A (at max. load and including 1 A charging current of the optional SAFEPOS energy-pack). At minimum operating temperature additionally 2 A AG3: Max. 5 A (at max. load and including charging current of the optional SAFEPOS energy-pack). At minimum operating temperature additionally 6 A
Protection class (DIN EN 61140)	3
Duty cycle	100 %
Standby consumption ^{1,3}	2...4 W
Communication and control	
Standard signal (analogue)	0...5 V (log. 0) 10...30 V (log. 1)
Fieldbus (digital)	Bürkert system bus (bÜS) (Standard) CANopen (optional) EtherNet/IP, PROFINET, Modbus/TCP (optional via integrated gateway)
Media data	
Process medium	Steam, neutral gases, water, alcohols, oils, fuels, hydraulic fluids, salt solutions, lyes, organic solvents, oxygen (optional)
Medium temperature	-40...+230 °C (see “5.2. Operating limits” on page 17)
Viscosity	Up to 600 mm²/s

Process/Port connection & communication**Port connection^{1.)}**

Welded connection	DIN EN ISO 1127/ISO 4200/DIN 11866 B DIN 11850 2/DIN 11866 A ASME BPE/DIN 11866 C SMS 3008
Clamp connection	DIN 32676 B (pipe ISO 4200) DIN 32676 A (pipe DIN 11850 2) ASME BPE
Thread connection	G (DIN ISO 228 - 1) NPT (ASME B1.20.1) Rc (ISO 7 - 1)
Flange connection	DIN EN 1092 - 1 ANSI B 16.5 JIS 10K

Electrical connection

Actuator	Terminal strip with cable gland, 2 x M20 (only AG2) or 2 M12 circular plugs, 5 pin and 8 pin
Fieldbus gateway	2 M12 circular sockets, 4 pin (only with industrial Ethernets)

Approvals and certificates

Conformity	Food EGV 1935/2004 FDA (optional)
Approval	Explosion protection ATEX/IECEx (optional) (see “2. Approvals” on page 5) cULus Cert. no. 238179 (optional) (only AG2) (see “2. Approvals” on page 5)
Ignition protection class	II 3G Ex ec IIC T4 Gc II 3D Ex tc IIIC T135 °C Dc
Detergent resistance	According to Ecolab test method: R&D/P3-E No. 40-1

Environment and installation

Ambient temperature	- 25...+ 65 °C (only without additional modules) (De-rating see “Operating limits for ambient and medium temperature” on page 18)
Degree of protection	IP65/IP67 (DIN EN 60529), NEMA 4X (only AG2)
Installation position	Any, preferably actuator face up

1.) All values refer to a supply voltage of 24 V at 25 °C.

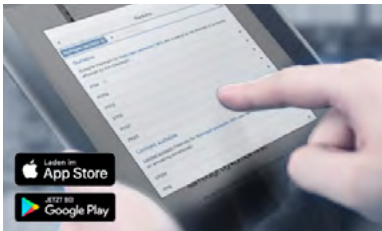
2.) Others on request

2. Approvals

Approvals/ Conformity/ Certificate	Description
	Food produce contact Materials in contact with medium conform to EC regulation 1935/2004 Materials in contact with medium conform to FDA (optional)
	Drinking water Suitable for use with drinking water according to KTW, W270 (optional)
	Oxygen Suitable for use with gaseous oxygen (optional)
 	Explosion proof As category 3 device suitable for zone 2/22 (optional) ATEX • II 3G Ex ec IIC T4 Gc • II 3D Ex tc IIIC T135 °C Dc IECEx • Ex ec IIC T4 Gc • Ex tc IIIC T135 °C Dc
	Safety requirements UL-listed cULus Cert. No. 238179 (optional) (only AG2)
	Detergent resistance Material compatibility tested with common Ecolab products and certified according to Ecolab test method: R&D/P3-E No. 40-1
Standards	Description
	Field device for integration into the EDIP platform via Bürkert system bus (bÜS)

3. Materials

3.1. Chemical Resistance Chart – Bürkert resistApp



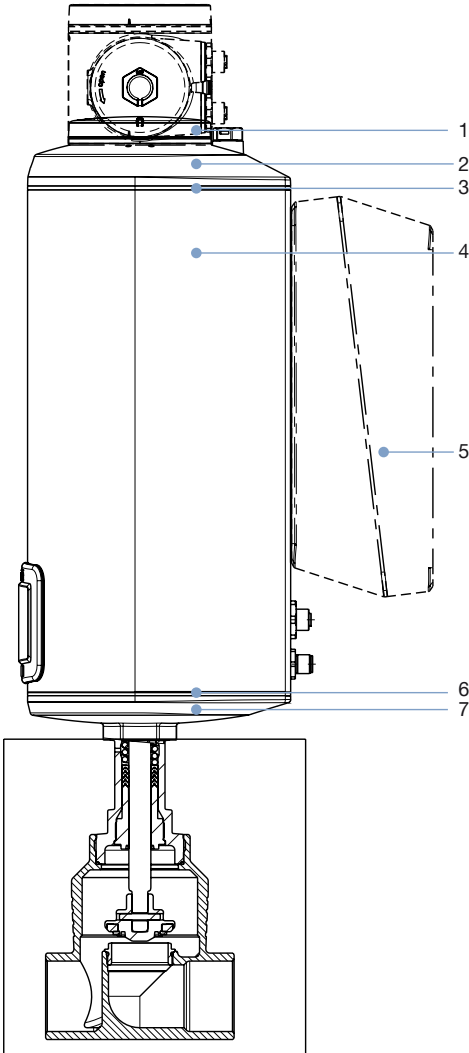
Bürkert resistApp – Chemical Resistance Chart

You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

[Start Chemical Resistance Check](#)

3.2. Material specification

Note:
The Type 3321 globe control valve is supplied with various port connections (flange, thread, welded and clamp connections). These connections are not shown. They are the same material as the valve body.

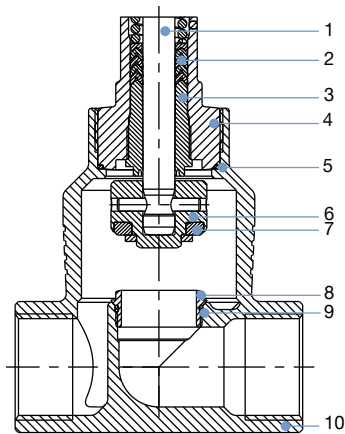


AG2

No.	Component	Material
1	Blind cover/Gateway housing	PPS (Standard), Stainless steel 1.4301 (for ATEX/IECEX)
2	Actuator cover	PPS
3	Seal	EPDM
4	Actuator housing	Aluminium powder coated
6	Seal	EPDM
7	Actuator base	PPS

AG3

No.	Component	Material
1	Blind cover/Gateway housing	PPS (Standard), Stainless steel 1.4301 (for ATEX/IECEX)
2	Actuator cover	PC
3	Seal	EPDM
4	Actuator housing	Aluminium powder coated
5	SAFEPOS energy pack	PC
6	Seal	EPDM
7	Actuator base	Stainless steel 1.4308



No.	Component	Material
1	Spindle	Stainless steel 1.4401 (316)/1.4404 (316L)
2	Spindle seal	PTFE V-seals (filled) with spring compensation
3	Spindle guidance	PEEK or Stainless steel 1.4404 (316L)
4	Packing gland tube	Stainless steel 1.4401 (316)
5	Seal valve body	Graphite or PTFE
6	Swivel plate	Stainless steel 1.4571
7	Valve seat seal	PTFE or PEEK seal washer
8	Valve seat	Stainless steel 1.4571
9	O-Ring valve seat	EPDM or PTFE
10	Valve body	Stainless steel CF3M

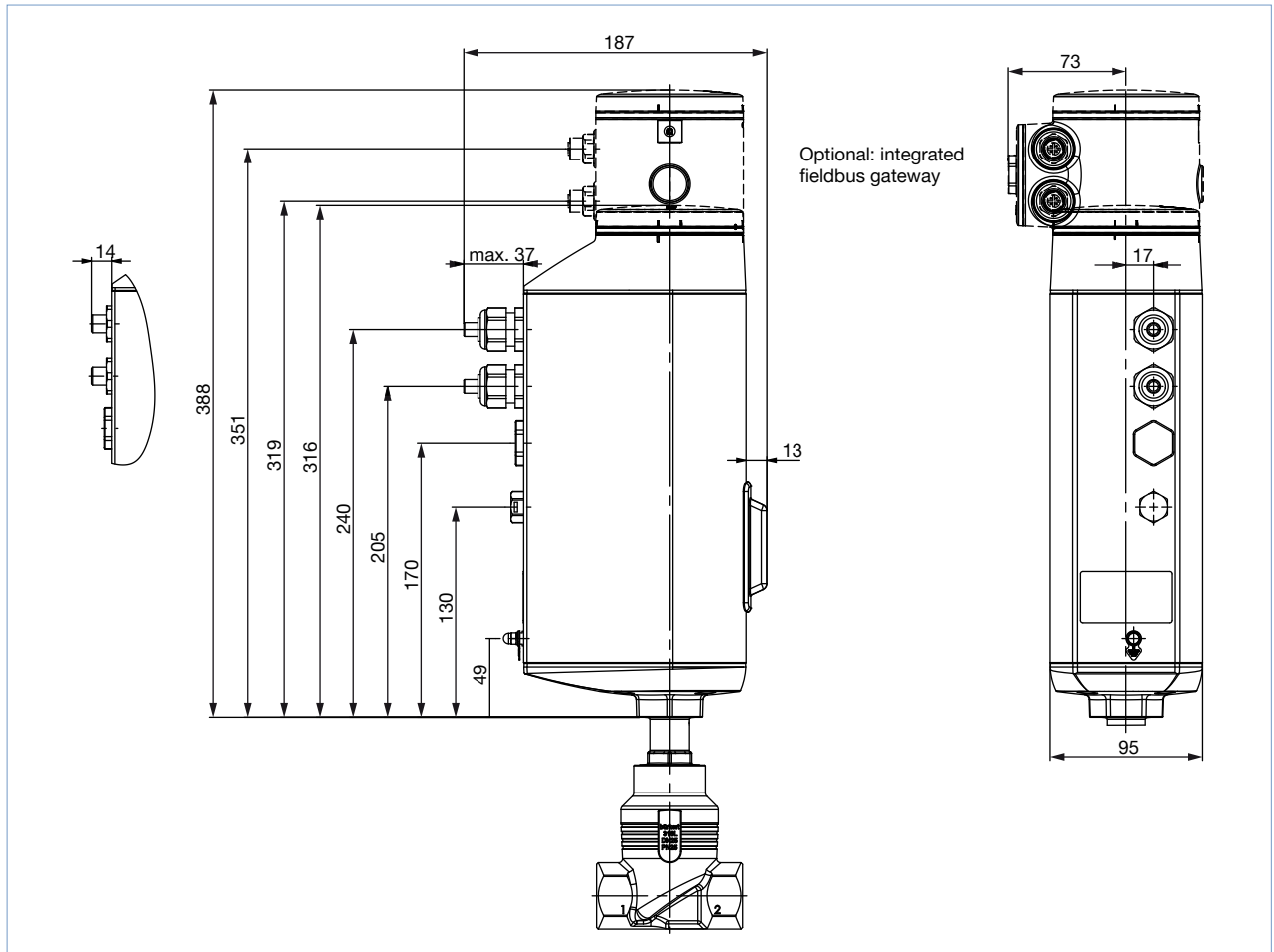
4. Dimensions

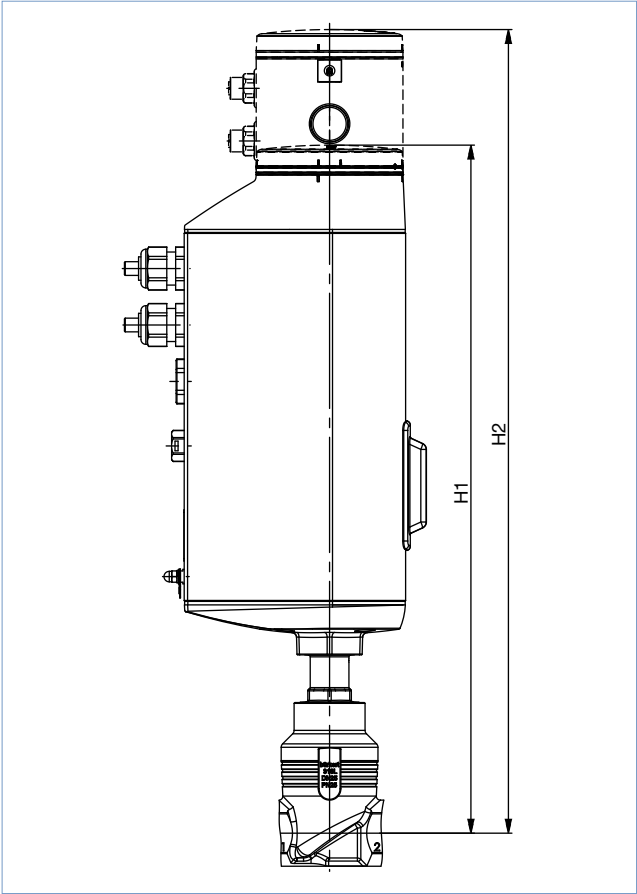
4.1. Actuator

AG2

Note:

Dimensions in mm, unless otherwise stated





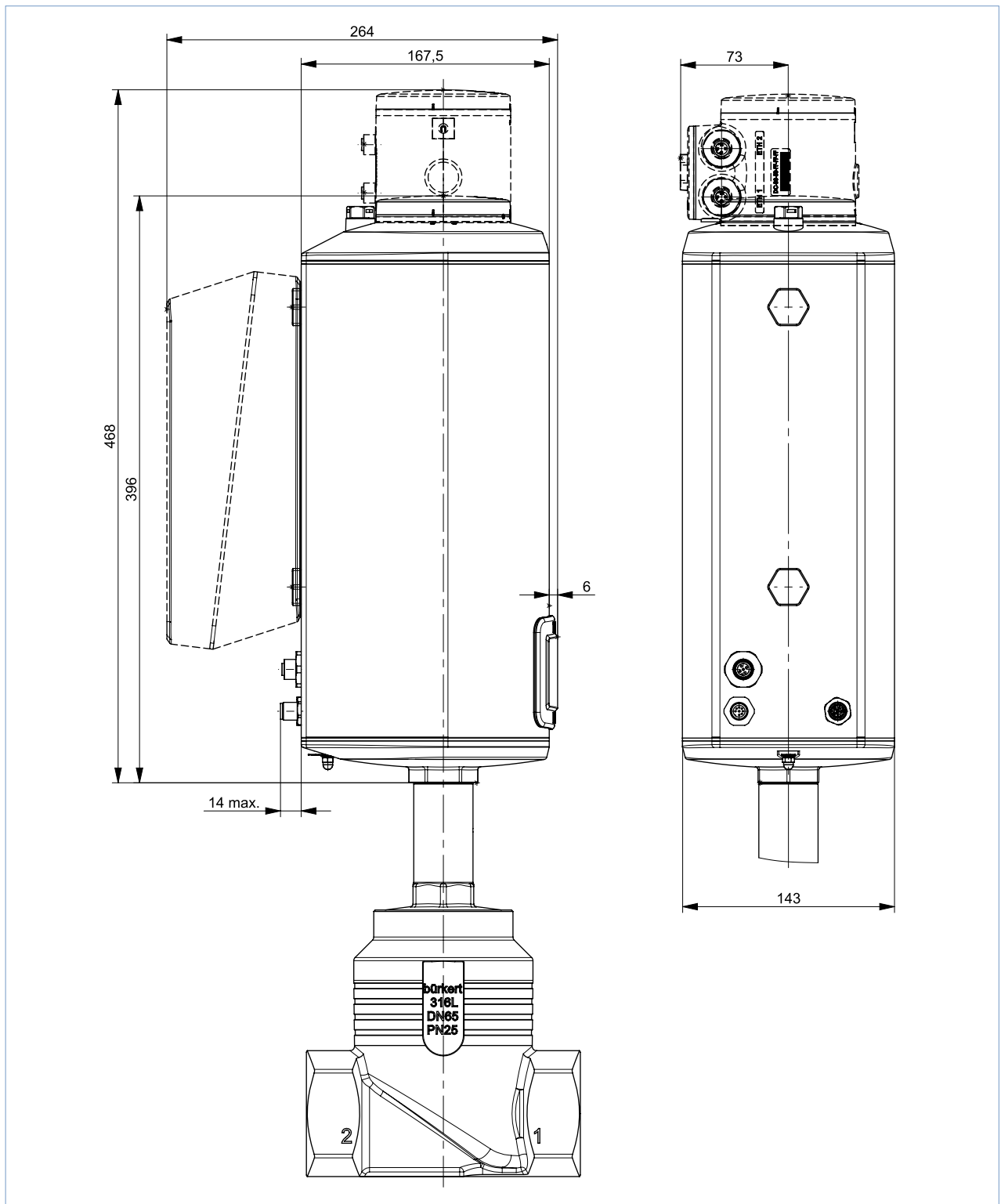
Nominal diameter (Pipe)		Height ^{1.)}	
DN	NPS	H1 Standard variant	H2 ^{2.)} Fieldbus variant (KOMM ≠ G, N, L)
10	3/8	417	489
15	1/2	417	489
20	3/4	423	495
25	1	427	498
32	1 1/4	448	519
40	1 1/2	452	524
50	2	485	557

1.) Dimensions without tight-closing function: in closed position the actuator additionally lifts by approx. 2 mm
2.) Optional: integrated fieldbus gateway

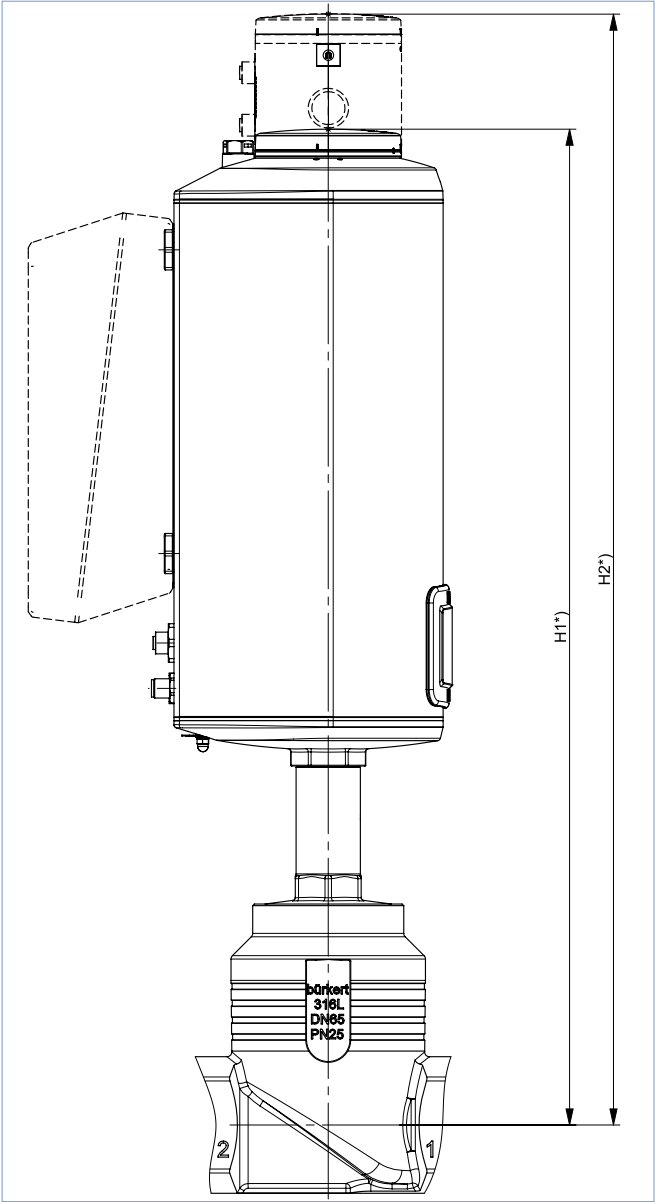
AG3

Note:

Dimensions in mm, unless otherwise stated



DTS 1000295565 EN Version: O Status: RL (released | freigegeben | valide) printed: 28.02.2023



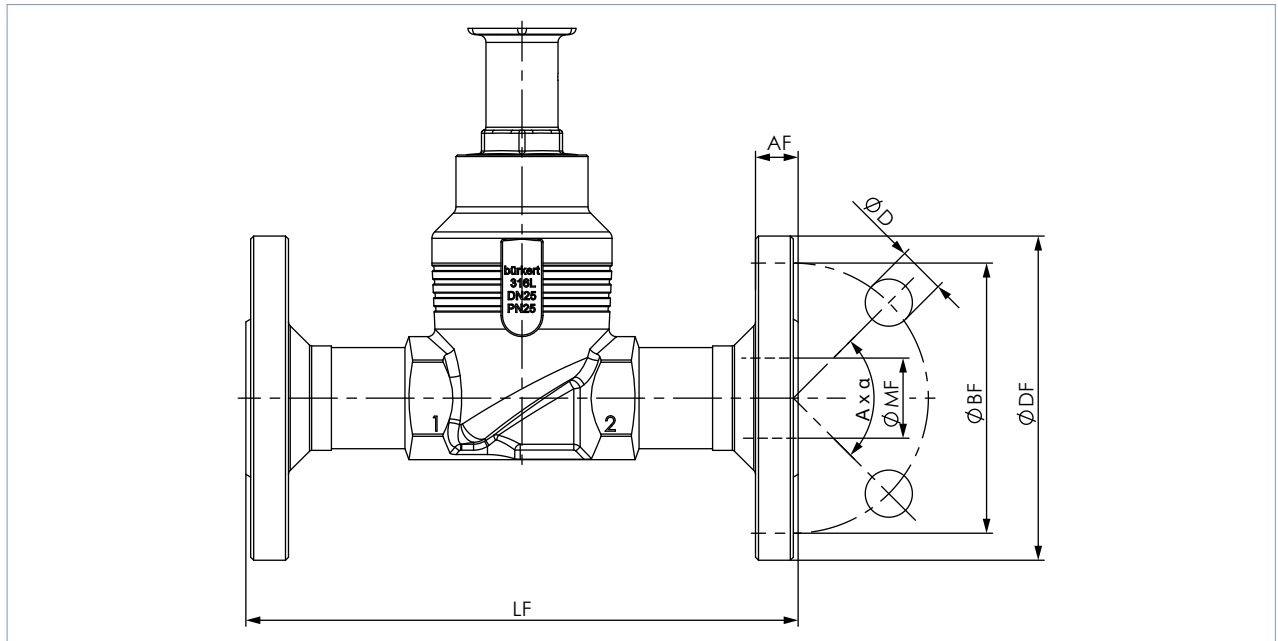
Nominal diameter (Pipe)		Height ^{1.)}	
DN	NPS	H1 Standard version	H2 ^{2.)} Fieldbus version (KOMM ≠ G, N, L)
40	1½	560	632
50	2	566	638
65	2½	620	692
80	3	628	700
100	4	638	710

1.) Dimensions without tight-closing function: in closed position the actuator additionally lifts by approx. 2 mm
2.) Optional: integrated fieldbus gateway

4.2. Body with flange connection

Note:

Dimensions in mm, unless otherwise stated

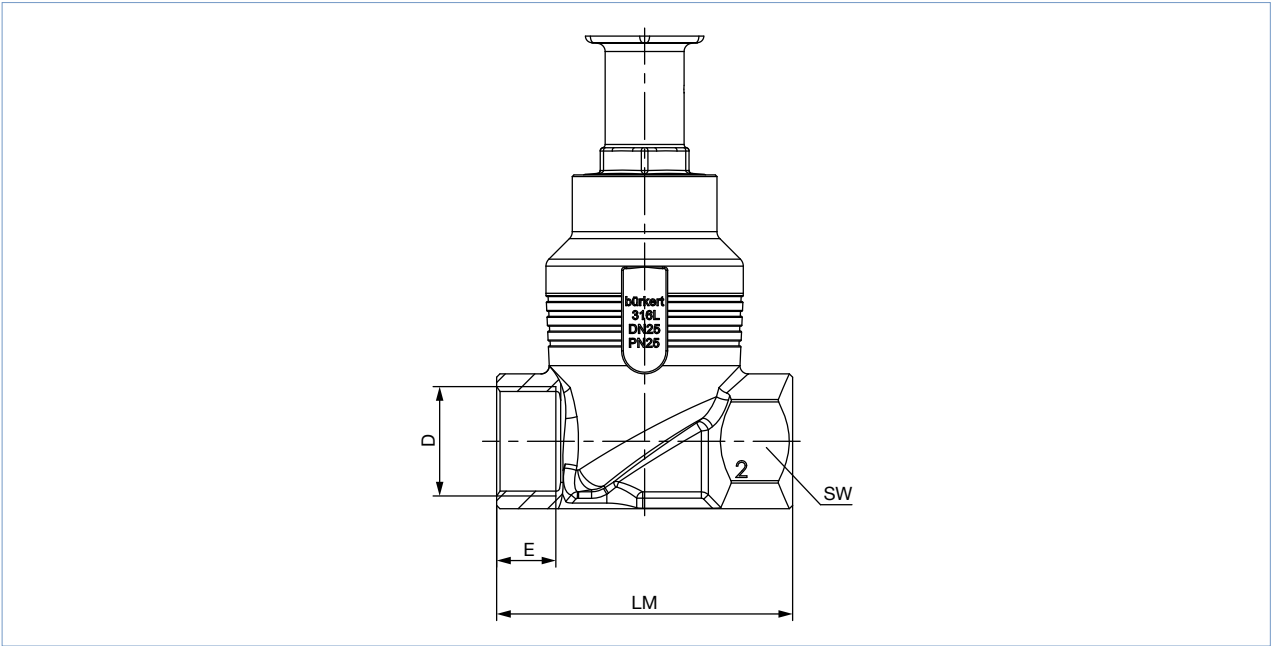


Nominal diameter (Pipe)	DIN EN 1092 PN 25 FTF 1 acc. to DIN EN 558-1							JIS 10K FTF 10 acc. to DIN EN 558-2						
DN	ØDF	LF	ØBF	AF	ØD	A x α	ØMF	ØDF	LF	ØBF	AF	ØD	A x α	ØMF
10	90	130	60	16	14	4 x 90°	13.6	—	—	—	—	—	—	—
15	95	130	65	16	14	4 x 90°	18.1	95	108	70	12	15	4 x 90°	18.1
20	105	150	75	18	14	4 x 90°	23.7	100	117	75	14	15	4 x 90°	23.7
25	115	160	85	18	14	4 x 90°	29.7	125	127	90	14	19	4 x 90°	29.7
32	140	180	100	18	18	4 x 90°	38.4	135	140	100	16	19	4 x 90°	38.4
40	150	200	110	18	18	4 x 90°	44.3	140	165	105	16	19	4 x 90°	44.3
50	165	230	125	20	18	4 x 90°	56.3	155	203	120	16	19	4 x 90°	56.3
65	185	290	145	22	18	8 x 45°	66.0	175	216	140	18	19	4 x 90°	71.5
80	200	310	160	24	18	8 x 45°	81.0	185	241	150	18	19	8 x 45°	84.3
100	235	350	190	24	22	8 x 45°	100.0	292	292	175	18	19	8 x 45°	109.1

Nominal diameter (Pipe)	ANSI B 16.5 Class 150 FTF 37 acc. to DIN EN 558-2						
NPS	ØDF	LF	ØBF	AF	ØD	A x α	ØMF
½	89	184	60.5	11.2	15.7	4 x 90°	15.7
¾	99	184	69.9	12.7	15.7	4 x 90°	20.8
1	108	184	79.2	14.2	15.7	4 x 90°	26.7
1½	127	222	98.6	17.5	15.7	4 x 90°	40.9
2	152	254	120.7	19.1	19.1	4 x 90°	52.6
2½	178	276	139.7	22.3	19.1	4 x 90°	62.7
3	190	298	152.5	23.9	19.1	4 x 90°	78.0
4	229	352	190.5	23.9	19.1	8 x 45°	102.4

4.3. Body with thread connection

Note:
Dimensions in mm, unless otherwise stated

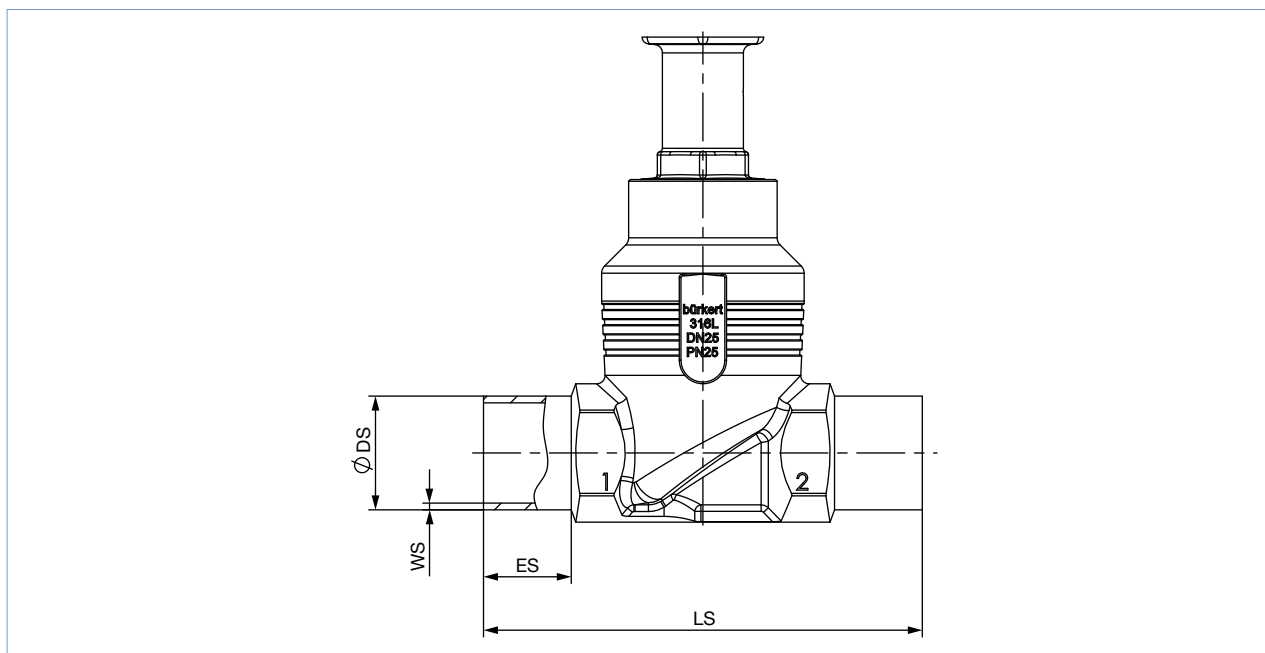


Nominal diameter (Pipe)		G, Rc, NPT (EN ISO 228-1, ISO 7/1/DIN EN 10226-2, ASME B 1.20.1)			LM	SW
DN	NPS	G	NPT	Rc		
10	3/8	12	10.3	10.1	65	27
15	1/2	14	13.7	13.2	65	27
20	3/4	16	14	14.5	75	34
25	1	18	16.8	16.8	90	41
32	1 1/4	20	17.3	19.1	110	50
40	1 1/2	22	17.3	19.1	120	55
50	2	24	17.6	23.4	150	70
65	2 1/2	26	23.7	26.7	185	85
80	3	28	30.5	29.8	205	100
100	4	32	33	35.8	240	125

4.4. Body with weld connection

Note:

Dimensions in mm, unless otherwise stated



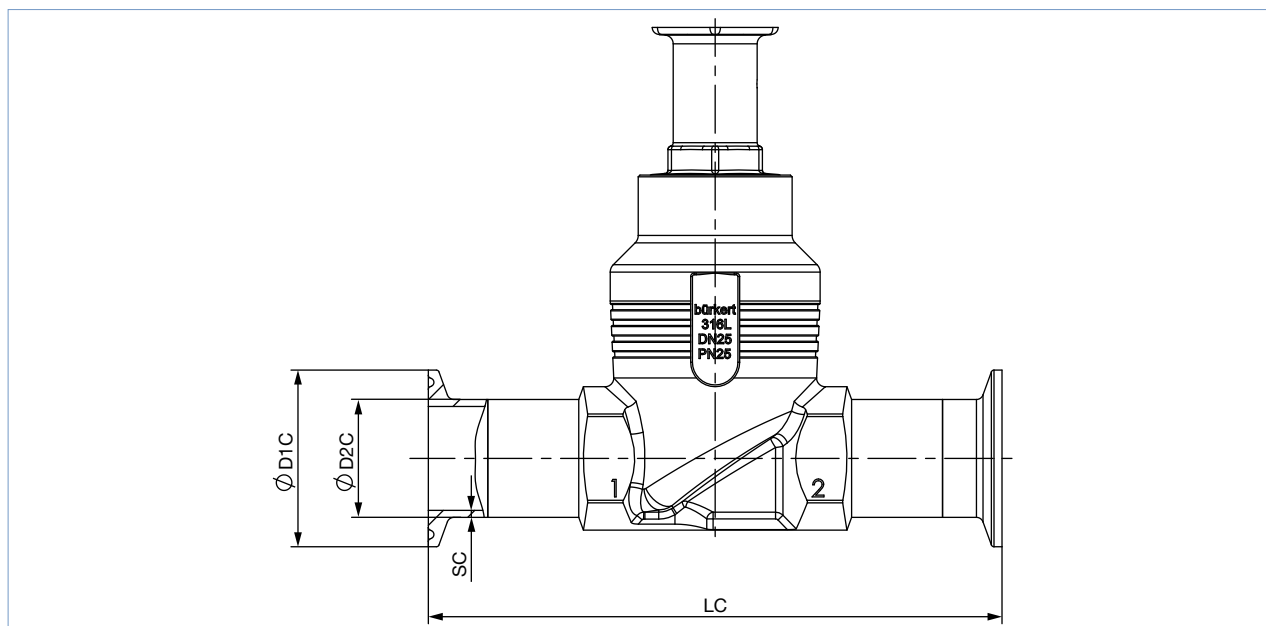
Nominal diameter (Pipe)	ES	LS	EN ISO 1127 1/ISO 4200/DIN 11866 B		DIN 11850 2/DIN 11866 A/DIN EN 10357 A	
DN			ØDS	WS	ØDS	WS
10	20	90	17.2	1.6	13	1.5
15	20	90	21.3	1.6	19	1.5
20	20	100	26.9	1.6	23	1.5
25	26	130	33.7	2.0	29	1.5
32	26	140	42.4	2.0	35	1.5
40	26	150	48.3	2.0	41	1.5
50	26	175	60.3	2.0	53	1.5
65	26	210	76.1	2.3	70	2.0
80	26	230	88.9	2.3	85	2.0
100	26	260	114.3	2.6	104	2.0

Nominal diameter (Pipe)	ES	LS	ASME BPE/DIN 11866 C	
NPS			ØDS	WS
½	20	90	12.7	1.65
¾	20	90	19.05	1.65
1	20	100	25.4	1.65
1½	26	140	38.1	1.65
2	26	150	50.8	1.65
2½	26	175	63.5	1.65
3	26	210	76.2	1.65
4	26	260	101.6	2.11

4.5. Body with clamp connection

Note:

Dimensions in mm, unless otherwise stated



Nominal diameter (Pipe)	Clamp: DIN 32676 A Pipe: DIN 11850 2 / DIN 11866 A / DIN EN 10357 A				Clamp: DIN 32676 B Pipe: EN ISO 1127 1 / ISO 4200 / DIN 11866 B			
DN	LC	ØD2C	ØD1C	SC	LC	ØD2C	ØD1C	SC
15	126	19	34	1.5	146	21.3	50.5	1.6
20	136	23	34	1.5	136	26.9	50.5	1.6
25	173	29	50.5	1.5	164	33.7	50.5	2.0
32	179	35	50.5	1.5	–	–	–	–
40	193	41	50.5	1.5	193	48.3	64.0	2.0
50	218	53	64	1.5	218	60.3	77.5	2.0
65	266	70	91	2.0	266	76.1	91	2.0
80	–	–	–	–	286	88.9	106	2.3
100	–	–	–	–	316	114.3	130	2.3

Nominal diameter (Pipe)	LC	Clamp: ASME BPE / DIN 32676 C Pipe: ASME BPE / DIN 11866 C		
NPS		ØD2C	ØD1C	SC
½	122	12.7	25.0	1.65
¾	126	19.05	25.0	1.65
1	126	25.4	50.5	1.65
1½	172	38.1	50.5	1.65
2	182	50.8	64.0	1.65
2½	231	63.5	77.5	1.65
3	265	76.2	91.0	1.65
4	315	101.6	119.0	2.11

5. Performance specifications

5.1. Fluidic data

Overview of flow characteristics with flow below seat

Note:

- K_v value [m^3/h]: Measured with water acc. to DIN EN 60534-2-4
- Operating limits, see [“5.2. Operating limits” on page 17](#)

Nominal diameter (Pipe)		Actuator force ^{1.)}	Operating pressure		K _V value
			Valve seat seal		
			PTFE (up to + 130 °C)	PEEK (up to +230 °C)	
DN	NPS	[N]	[bar(g)]		[m³/h]
15	½ ^{2.)}	1300	25	25	4.7
20	¾ ^{2.)}				8.1
25	1 ^{2.)}				13
32	1¼ ^{2.)}	1300	16	16	18
		2500	25	25	
40	1½ ^{2.)}	1300	10	10	
		2500	18	18	
		7700	–	25	
50	2 ^{2.)}	1300	6	6	45
		2500	10	10	
		7700	–	25	
65	2½ ^{2.)}	10000	–	25	73
80	3 ^{2.)}		–	17	110
100	4 ^{2.)}		13.5	10.5	165

1.) AG2: Actuator size 2 with a nominal force of 1300 or 2500 N

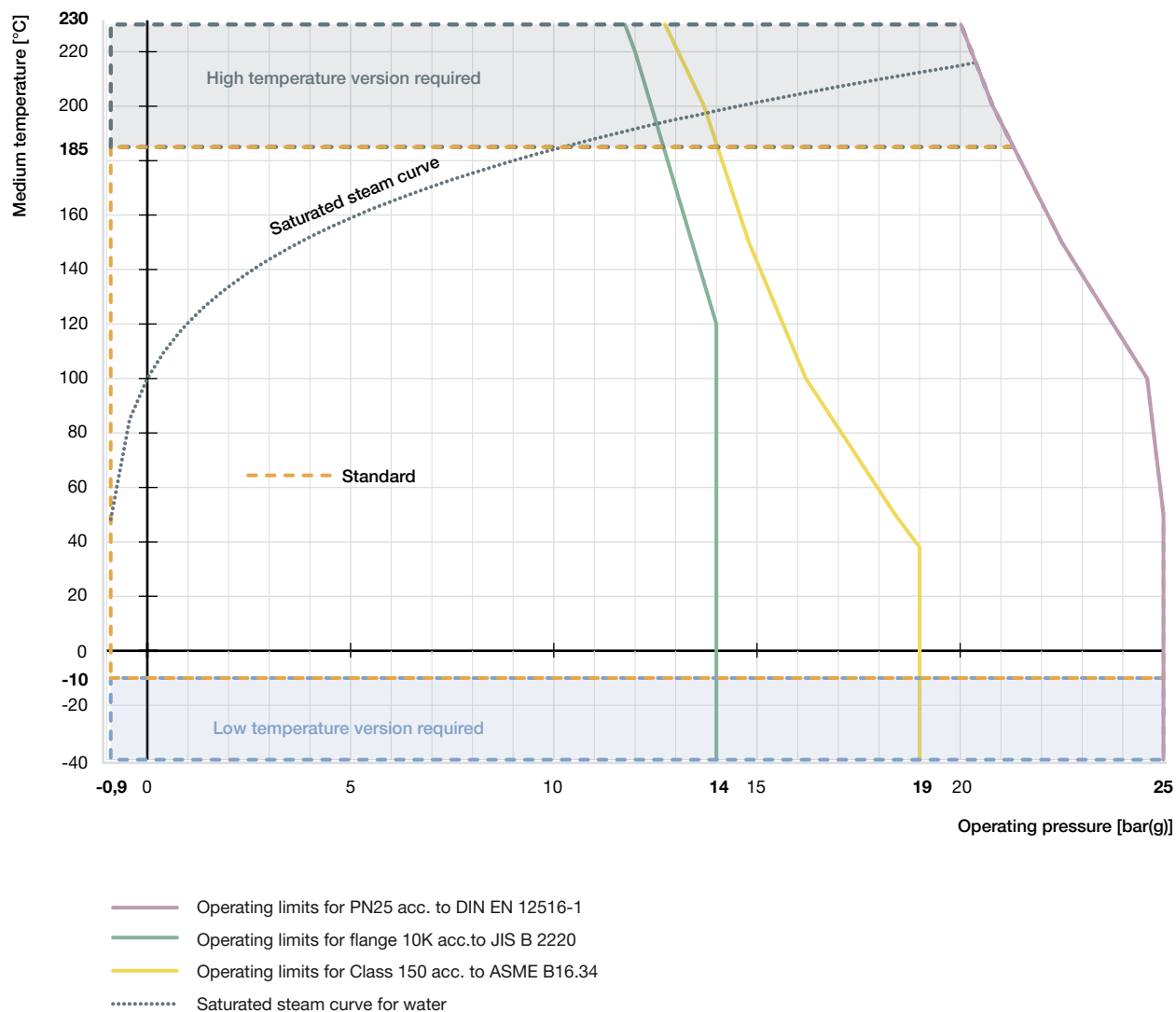
AG3: Actuator size 3 with a nominal force of 7700 or 10000 N

2.) Deviation for line connections according to ASME BPE: the next larger nominal connection size is used, e.g. NPS 1 instead of NPS 3/4

5.2. Operating limits

Operating limits for medium temperature and operating pressure

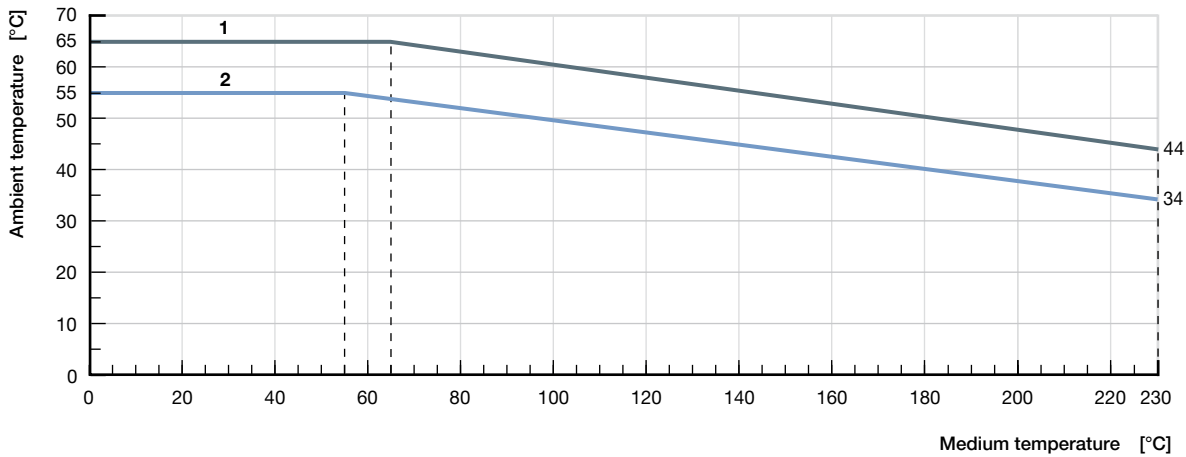
The operating range of Bürkert process valves is in addition to the maximum operating pressures limited by the nominal pressure according to the relevant standard.



Operating limits for ambient and medium temperature

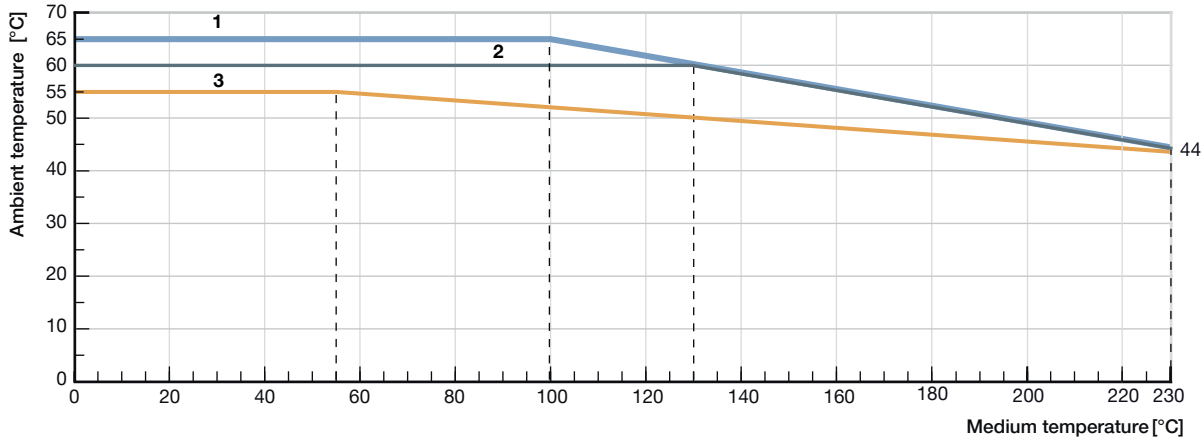
The maximum permissible temperature for the environment and the medium are dependent on each other. The maximum allowable temperature curves of different device variants can be seen in the temperature chart. The curves were determined for maximum operating conditions (max. operating pressure and motor power). For deviating operating conditions an individual verification can be performed. Please contact your Bürkert office for more information.

AG2



No.	Description
1	Device without module
2	Device with SAFEPOS energy-pack or fieldbus gateway

AG3



No.	Description
1	Device without module
2	Device with SAFEPOS energy-pack
3	Device with fieldbus gateway

Operating limits for seat seal

PTFE is used for max. medium temperature < 130 °C. If the maximum medium temperature temporarily or permanently exceeds 130 °C, then PEEK as a seal material is the appropriate solution.

Operating limits for optional versions**High temperature version**

By adapting the spindle sealing this version is suitable for applications with steam, neutral gases and other heat transfer mediums up to 230 °C.

Drinking water version

Materials in contact with the medium are tested for suitability with drinking water up to 85 °C.

Vacuum version

Without leakage bore, this design is suitable for pressures down to -0.9 bar(g).

Low temperature version

Suitable for minimum medium temperatures down to -40 °C

Version for oxygen

Non-metallic materials in contact with the medium are tested for suitability with oxygen. Suitable for operating pressures up to 20 bar(g) and medium temperatures up to 60 °C.

5.3. Electrical control and interfaces**Interface diagram**

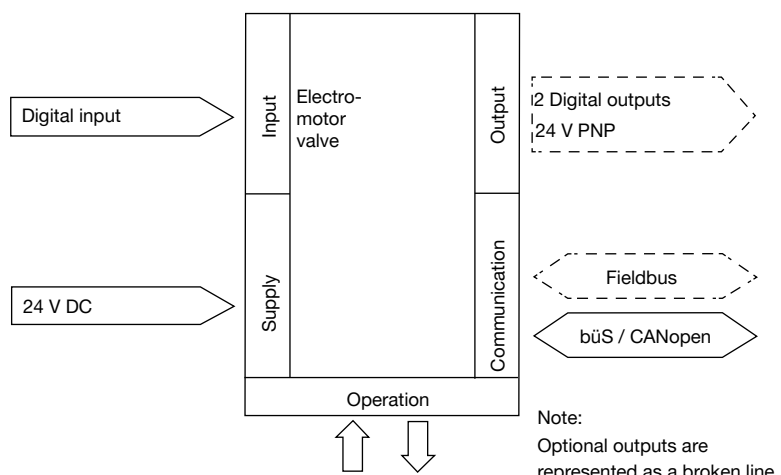
The position of the actuator is controlled according to the digital input. The selection is made either by an external standard signal or via a fieldbus (digital).

Inputs and outputs:

- 1 digital input, 2 digital outputs

Interface:

- Cable gland with connection terminal (only AG2)
- M12 circular plug-in connectors (optional)

**Control data**

Digital input	0...5 V = log "0", 10...30 V = log "1" inverted input reversed accordingly
Digital output (optional)	Current limitation 100 mA

Communication

Communication interface (bUS)	Connection to PC via USB bUS interface set (connection terminals, circular plug-in connector or bUS service interface)
Communication software (bUS)	Bürkert Communicator, see Type 8920 ►

6. Product design and assembly

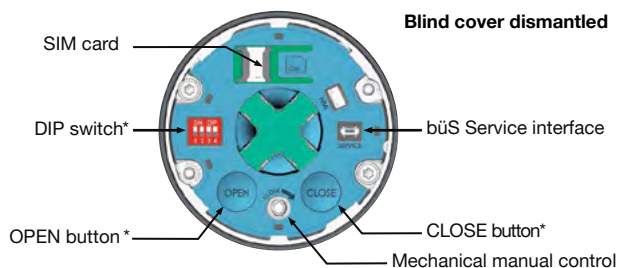
6.1. Product features

Note

More detailed information can be found in the **operating instructions** ►.

User interface

The basic functions are operated by 4 DIP switches and 2 push buttons. These are located under the blind cover which can be removed manually by turning. Through the bÜS service access, the device can also be configured in detail with the Bürkert Communicator software. For this, the optional USB-bÜS interface kit is required.



Actuation

Mechanical manual control:

The manual override for mechanical movement of the valve is located for AG2 under the blind cover or display module and for AG3 under the pressure compensation element. It ensures that the actuator can be operated even if the power supply fails.

Electrical control via operating elements:

The electrical manual override for the procedure is carried out via two buttons under the blind cover.

Display elements

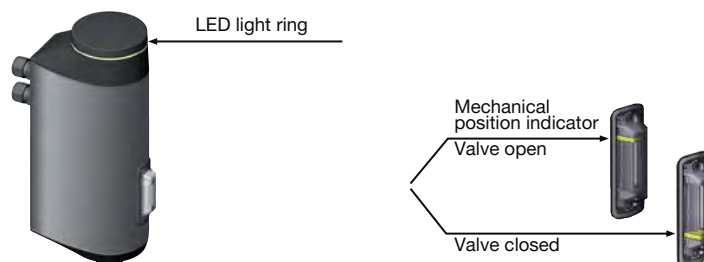
Display

360° LED light ring:

A clearly visible 360° LED ring is attached to the blind cover or display module to indicate the device status, the valve end position and the operating status. The LED light ring lights up, blinks or flashes into one or changing colours, depending on the LED mode set

Mechanical position indicator:

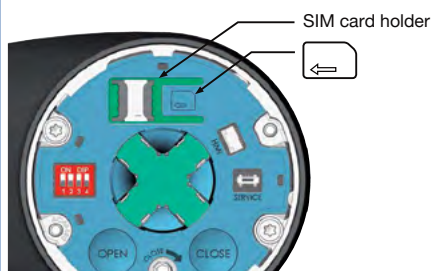
The mechanical position indicator shows the current valve position even if the supply voltage fails.



Data transmission (optional)

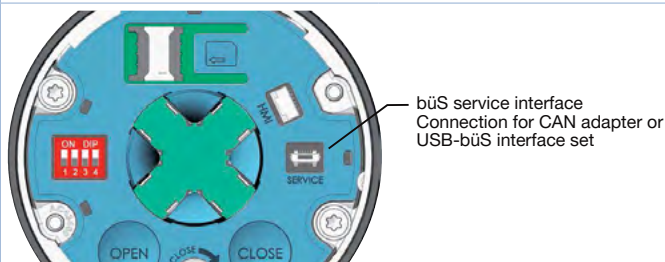
SIM card (optional):

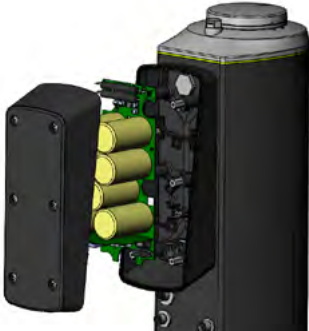
With the optionally available SIM card, device-specific values and user settings can be stored and quickly transferred to another device.



bÜS service interface:

The bÜS service interface connects the device with the Communicator software on a PC, laptop or smartphone. From there a configuration of the device or error diagnosis can be carried out.



Safety position via energy storage (optional)	AG2	AG3
The safety starting positions in case of power interruption is realized with the optional energy storage SAFEPOS energy-pack. The desired position is set via the menu. In addition to the end positions (open/closed), any desired intermediate position can be defined here. The energy storage has a lifespan of up to 10 years, depending on the operating conditions. The power of the energy storage is monitored and a warning is displayed to indicate its life is coming to an end. The storage device is designed as a plug-in module to facilitate replacement. Without energy storage, the valve remains in the last position it was in. The energy storage device is fully charged and ready for operation after a maximum of 120 seconds (depending on the operating conditions). The energy storage device cannot be retrofitted in the field.	 SAFEPOS energy-pack	
Fieldbus: EtherNet/IP, PROFINET, Modbus TCP (optional)		
The fieldbus gateway for EtherNet/IP, PROFINET and Modbus TCP is integrated in an additional module. It has 2 fieldbus connections with 4 pin M12 circular sockets. The interfaces for the fieldbus connection and the status LEDs are located under the gateway housing cover. If there is a need for it to be include in a network then the configuration of the Ethernet can be performed via the web server. The gateway cannot be retrofitted in the field.	 Fieldbus gateway Fieldbus M12 connection (2 Port Ethernet Switch)	

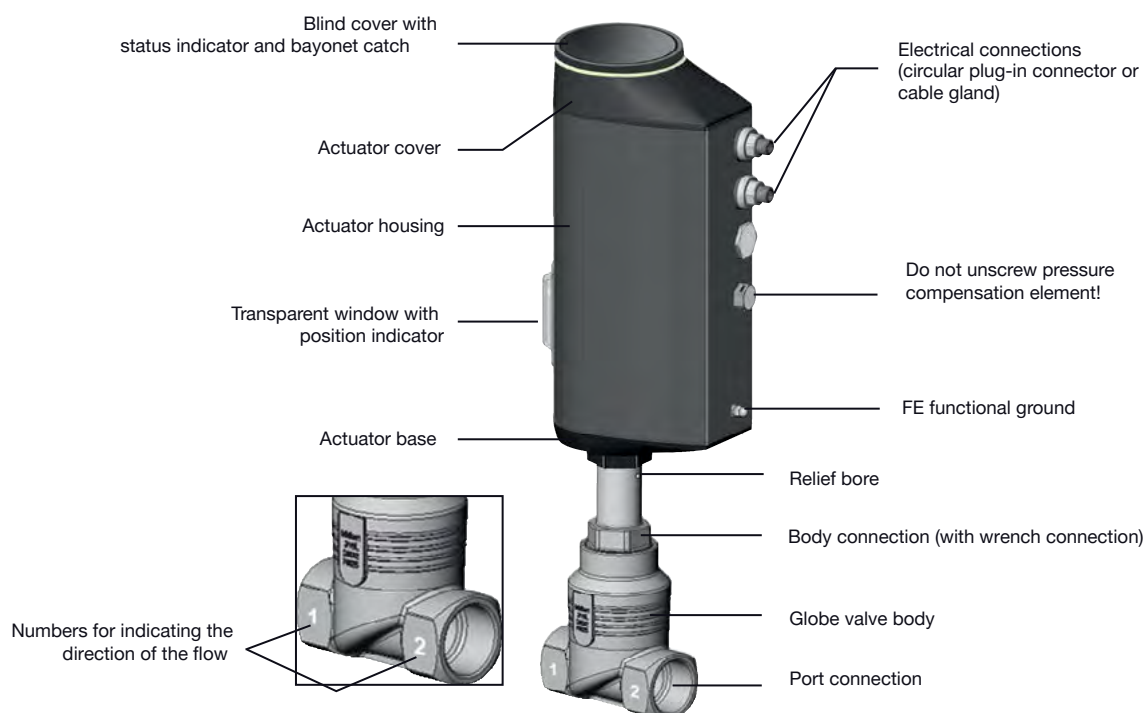
6.2. Product assembly

The electromotive linear drive consists of a brush-free DC motor, a gear and a spindle system that transmits the force to the pendulum plate. The integrated control electronics are controlled either via standard signals (digital) or via a fieldbus (digital). It is designed to provide optimum efficiency. At the same time, it keeps the valve sealed and in position even at the maximum specified medium pressure in a powerless standstill. An optional energy storage device (SAFEPOS energy-pack) is available for the device. If the supply voltage fails, it supplies the actuator with the energy required to move the valve into the desired position; this is set in the menu. The valve position can be changed manually in 2 ways. Either via the electrical manual control or via a mechanical manual control if no supply voltage is available.

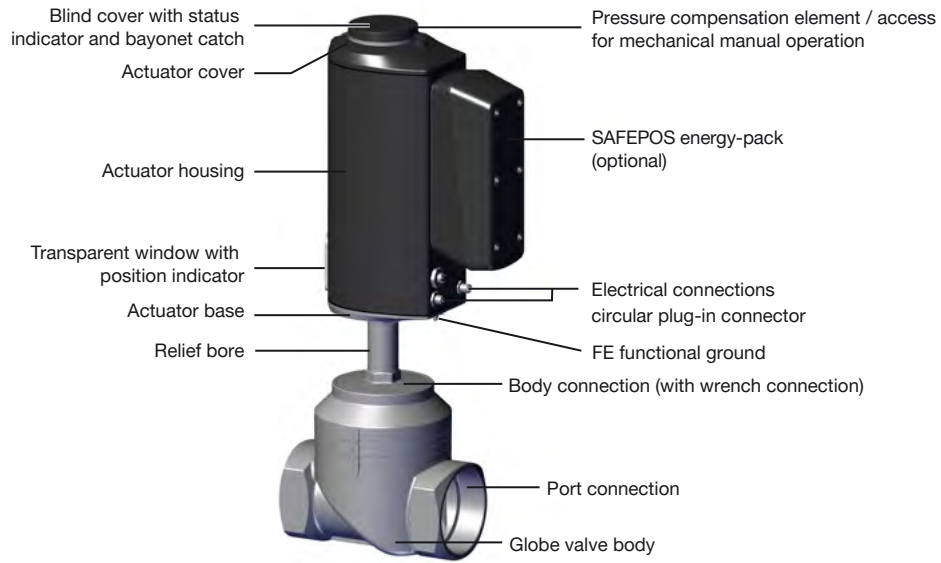
The device can be set and operated via 2 capacitive keys and 4 DIP switches. In addition there is always the possibility to operate the device via the bÜS service interface and using the "Bürkert Communicator" software.

The intelligent process valve Type 3321 offers the operator options for process monitoring, valve diagnostics and preventive maintenance. Internal measurements of the operating status are evaluated and issued as warnings or error messages, if necessary. These indicate, for example, impermissible ambient and process conditions, functional deviations of components or the status of the energy storage device.

AG2



AG3



7. Ordering information

7.1. Bürkert eShop – Easy ordering and quick delivery



Bürkert eShop – Easy ordering and fast delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

[Order online now](#)

7.2. Bürkert product filter



Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

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7.3. Ordering chart accessories

Standard accessories

Description	Article no.
SIM card for data transmission between devices	291773
Holding device for port connection DN 15...40	693770
Holding device for port connection DN 50	693771
Plastic blind cover	277881
Energy storage SAFEPOS energy-pack (AG2)	285834
Energy storage SAFEPOS energy-pack (AG3)	20046438

Accessories cable

Note:

For connection to a bus/CANopen network see **cabling guide** ►.

Description	Article no.
Connection cable with M12 socket, 4 pin, (length 5 m) for operating voltage AG2 (without communication)	918038
Connection cable with M12 socket, 5 pin, L coded (length 5 m) for operating voltage AG3 (without communication)	20010840
Connection cable with M12 socket, 8 pin, (length 2 m) for input and output signals	919061

Bürkert accessories**Note:**

- For connection to a bÜS/CANopen network see **cabling guide** ►.
- Detailed accessory tables can be found in the cabling guide

Description	Article no.
Software Bürkert Communicator, Type 8920	LINK ►
bÜS stick set 1 (including power supply unit, bus-stick, terminating resistor, Y-distributor, 0.7 m cable with M12 connector)	772426 𐀀
bÜS stick set 2 (including bus-stick, terminating resistor, Y-distributor, 0.7 m cable with M12 connector)	772551 𐀀
bÜS adapter for bÜS interface set (M12 on bÜS service interface Micro-USB)	773254 𐀀

7.4. Bürkert product enquiry form

Bürkert product enquiry form: Would you like to make a specific product enquiry based on your technical requirements? Please use our product enquiry form **at the end of this data sheet**. There you will find all the information relevant to your Bürkert contact person that will help us to process your enquiry in the best possible way.

Bürkert specification key: In our product enquiry form you will find a complete explanation of the composition of our specification key. You will find our product enquiry form **at the end of this data sheet**.

Bürkert – Close to You

For up-to-date addresses
please visit us at
www.burkert.com

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Czech Republic
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Sweden
Switzerland
Turkey
United Kingdom

Russia

Canada
USA

Brazil
Uruguay

South Africa

United
Arab
Emirates

Australia
New Zealand

China
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India
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Malaysia
Philippines
Singapore
Taiwan

Product Enquiry Form - Electromotive Shut-off Valves

Thank you for your interest in our products! In order to provide you with optimum advice, please fill out the following form and send it to your **Bürkert representative** or e-mail address: info@buerkert.com. All information submitted will of course be kept strictly confidential.

Please fill in the required fields! *

*Note: The interactive functions of this PDF may be restricted depending on the PDF reader used.

Personal Information				
Company			Contact person	
Customer no.			Department	
Street			Postcode / Town	
Telephone no.			Email	

Delivery	
Quantity	Required delivery date

Operating data				
Function (Function of the control valve in the process / process description)				
Pipeline	DN	PN		
Operating medium				
Type of medium	Fluid	Steam	Gas	
Operating pressure	Unit			
Medium temperature	°C / °F			
Ambient temperature	°C / °F			

Valve body				
Construction	Angle seat valve		Globe valve	
Seat seal	PTFE		PEEK	
DN / Nominal pressure	DN		PN	
Flow coefficient	K _v	m ³ /h	C _v	GPM(US)
Connection	Flange	DIN EN 1092-1		ANSI B16.5
	Thread	G		NPT
	Weld	DIN EN ISO 1127 / ISO 4200		DIN 11850 2 / DIN 11866 A
	Clamp	ASME BPE		DIN 32676 A (tube ISO 4200)
	Other			

Valve data	
Safety position	With energy storage (factory setting NO) With energy storage (factory setting NC) Without energy storage (last valve position blocked)
Electrical connection	Cable gland M12 multi-pin plug connection
Communication	Digital: 1 DI, 2 DO Digital (Fieldbus): EtherNet/IP PROFINET Modbus TCP CANopen bÜS
SIM card	With without

Approvals / Conformities
For use with food (conform to EG regulation no. 1935/2004)
For use with food (conform to FDA)
Explosion protection in accordance with ATEX II 3GD / IECex
cULus
Suitable for drinking water ^{1.)}
Certificate for the fulfilment of the order EN-ISO 10204 2.1 (Article no. 815417)
Test report EN-ISO 10204 2.2 (Article no. 803722)
Conformity certification for raw material EN-ISO 10204 3.1 (Article no. 803723)

1.) For use with drinking water for medium temperatures up to 85 °C in accordance with the Drinking Water Ordinance §17 and the assessment principles of the Federal Environment Agency.

Additional Requirements / Comment

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