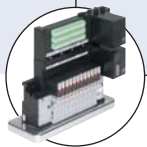


2/2-way valve with PTFE bellows for fluid separation



Type 2080 can be combined with...



Type 8640

AirLINE Quick



Type 8036

Flow sensor

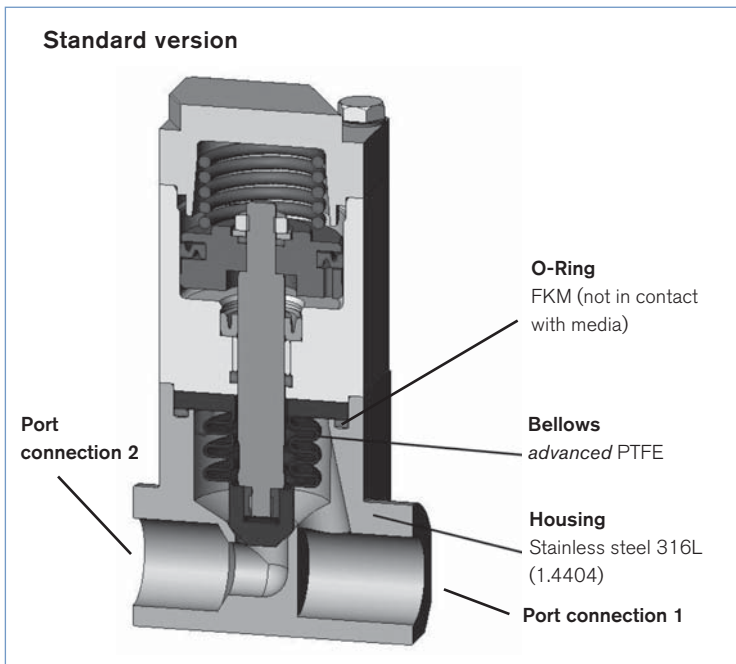
- High Medium resistance
- Easy to clean for hygienic applications
- Long life
- Easy conversion of the actuator function, normally open/closed
- Compact
- With stainless steel actuator

The valve consists of a pneumatically piston actuator with return spring, a stainless steel body and PTFE bellows. The PTFE bellows are used for the separation of the medium. With the appropriate installation (body to bottom) the valve is self-draining. The materials used and the internal contours are simple to clean (CIP and SIP). The valve is suitable for food technology. The modular structure permits configuration with different armatures and customized port connectors. The pneumatic actuator is servo assisted by a pilot valve, a valve block or similar.

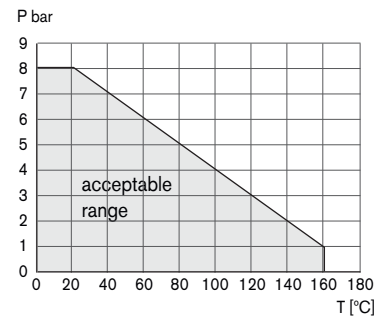
Technical data	
Orifice	DN 10, DN6 (flange), others on request
Actuator size	piston diam. 28mm
Medium	Neutral to aggressive gases and liquids
Medium pressure range Medium temperature	Vacuum up to 8 bar (see PT-Diagram)
Port connections	Threaded port G 3/8, weld end, flange connection
Pilot air connections	Threaded port G 1/8
Position detection	Reedcontact (two wire, closer), cable length: 3m
Installation	Upright assembly for self-draining (body to bottom)
Body material	Stainless steel 316Ti (1.4571), with flange 316L (1.4404)
Actuator material	Stainless steel 304L (1.4301)
Bellows material	Advanced PTFE
Wetted materials	Stainless steel 316Ti /316L, advanced PTFE
Back pressure	Tight to 8 bar
Ground leakage	5 Nml/min, measured with air 8 bar below seat
Pilot air pressure	4.5 to 10 bar
Pilot fluid	Neutral gases, air
Ambient temperature	Max. +90 °C
Surface finish	Surface finish Ra=0.8, others on request
Special features	- With self-draining operation - Suitable for CIP and SIP (cleaning in process) - Suitable for foodstuffs - FDA conform

Flow rate Kv value water [m ³ /h]	Measured at +20°C, 1 bar Pressure at valve inlet and free outlet
Pressure values [bar]	Overpressure with respect to atmospheric pressure
Flow direction (liquids)	below seat (pressure on port connection 2)

Material



Pressure temperature characteristics



Ordering chart for valves (other versions on request)

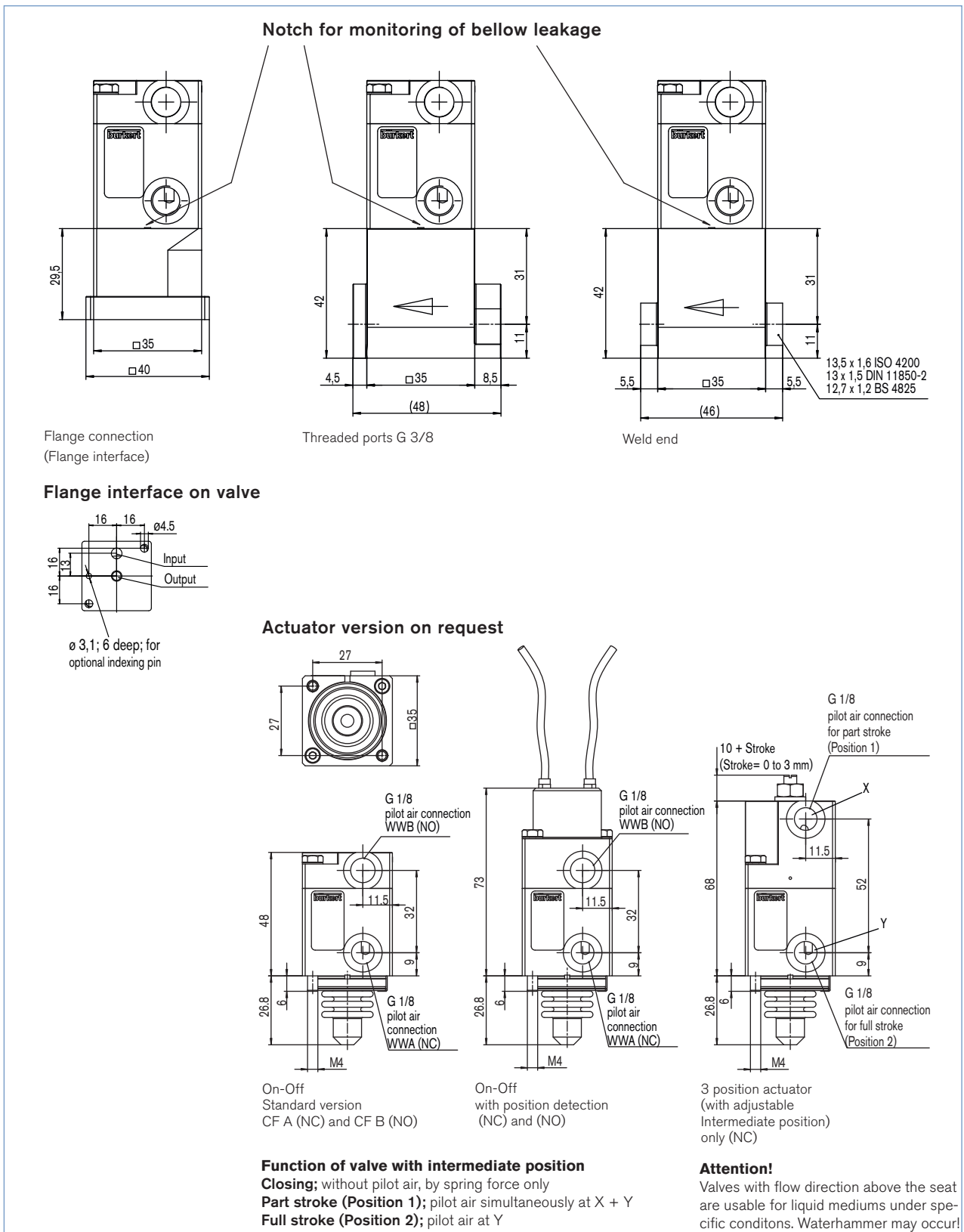
All valves with pilot air ports G 1/8 and actuator body in stainless steel

Circuit function	Actuator version	Orifice [mm]	kv value [m ³ /h]	Medium connection	Item no.
<p>A</p> <p>2/2-way-valve, (NC), without pilot air closed by spring force</p>	On-Off	10	1.14	Threaded port G 3/8	180 729
		10	1.14	Weld end acc. to BS 4825 (12.7 x 1.2)	179 582
		10	1.14	Weld end acc. to ISO 4200 (13.5 x 1.6)	186 407
		10	1.14	Weld end acc. to DIN 11850-2 (13 x 1.5)	186 409
		6	0.64	Flange port	182 863
		-	-	-	without body (only actuator)

on request:

- normally open version (control function B, CF B)
- mechanical stroke limiter for safer flow adjustment (VAR CODE MJ33)
- 3-position actuator (VAR CODE MW14)

Dimensions [mm]



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In case of special application conditions, please consult for advice.

Subject to alterations
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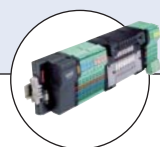
Pneumatically operated 3 way seat valve CLASSIC

- For mixing or distributing mediums
- Controlled by a pilot valve or centrally by a valve island
- Flow optimized body in stainless steel or brass/ stainless steel
- Long service life and maintenance-free operation

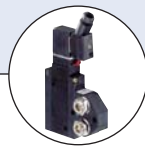
Type 2002 can be combined with...



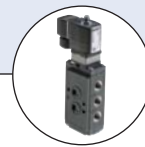
Type 6012/6014 P
Pilot valve



Type 8640/8644
Valve block



Type 5470
Solenoid valve



Type 6519 NAMUR



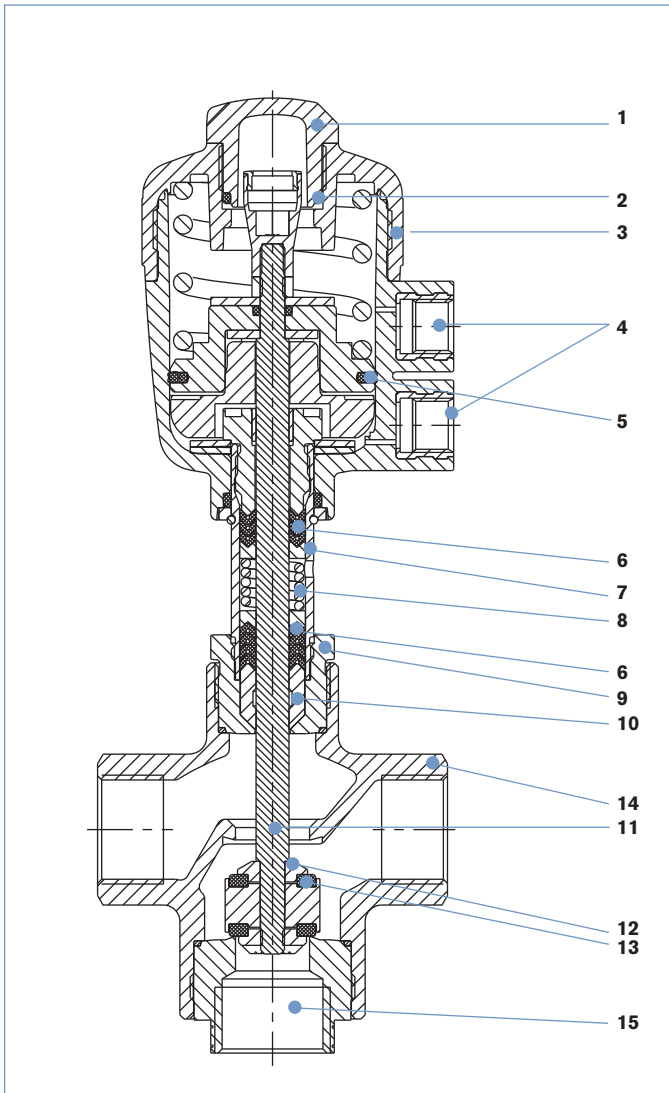
Type 8697
Feedback unit



The Bürkert 3 way seat valve, Type 2006, consists of a pneumatically operated CLASSIC actuator and a 3 way valve body. The actuator is available in two different materials, PA or PPS, depending on the ambient temperature. Available materials for the valve body include stainless steel and a brass/stainless steel variant. Interchanging of pressure and service ports enables different fluidic circuit functions, such as the mixing or distributing of mediums. The flow-optimized valve body of Type 2006 allows excellent flow rates. The tried and tested self-adjusting gland secures a high level of tightness and thus ensures reliable operation over years. The 3 way valve Type 2006 is controlled by a pilot valve, or by centralized automation using a valve island. It can be equipped easily with an electrical position indicator. For the user, the compact Type 2006 is thus often an economic alternative instead of two single shut-off valves.

Technical data	
Orifice	DN 15 - 50
Body materials	Stainless steel 316L
Nominal pressure	PN16 (body)
Actuator material	PA (PPS on request)
Seal material	PTFE
Media	Water, alcohol, oils, fuels, hydraulic fluid, alkaline solutions, salt solution, organic solutions, hot water, steam
Viscosity	Max. 600 mm ² /s
Packing gland (with silicone grease)	PTFE V-rings with spring compensation
Media temperature	-10 to +180°C
Ambient temperature	
PA actuator	-10 to +60°C
PPS actuator	
Actuator sizes Ø 50-80	+5 to +140°C
Actuator sizes Ø 125	+5 to +90°C, (up to 140°C for a short period)
Installation	As required, preferably with actuator in upright position
Control medium	Neutral gases, air
Max. pilot pressure	10 bar 7 bar with actuator Ø 125
Port connections	G thread acc. to EN ISO 228-1 NPT thread acc. to ANSI B 1.20.1 (RC thread on request)

Materials



Description	Material
1 Transparent cap	Polycarbonate (PC) (with PPS - actuator PSU)
2 O-Ring	FKM
3 Actuator	Polyamide (PPS)
4 Pilot air ports G 1/4	Stainless steel 1.4305
5 Cylinder seal	NBR (with PPS - actuator FKM)
6 Spindle seal	PTFE
7 Tube ²⁾	Stainless steel 1.4401 / 316 Stainless steel 1.4404 / 316L ³⁾
8 Tension spring	Stainless steel 1.4310
9 Nipple ²⁾	Stainless steel 1.4401 / 316 Stainless steel 1.4404 / 316L ³⁾
10 Wiper	PTFE PEEK ¹⁾
11 Spindle	Stainless steel 1.4404 / 316L
12 Plug	Stainless steel 1.4404 / 316L
13 Seals	PTFE
14 Valve body	Stainless steel 1.4404 / 316L
15 Seat nipple	Stainless steel 1.4404 / 316L

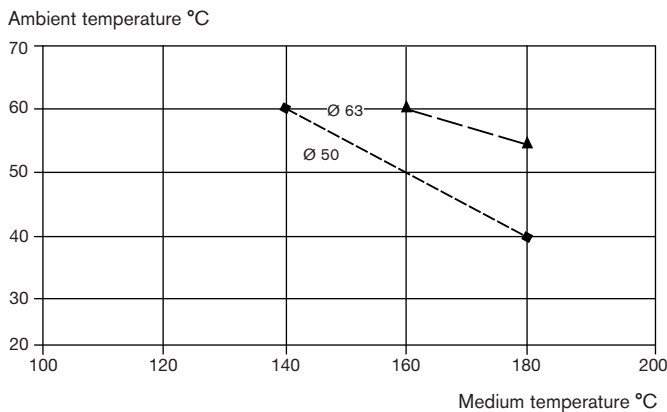
¹⁾ For actuator size 125 mm

²⁾ One-piece with the drive sizes 63 mm to 125 mm

³⁾ For actuator sizes 63 mm to 125 mm

Temperature chart

■ **Note:** For PA actuators in the sizes 50 and 63, the combination of max. media temperature and max. ambient temperature is as shown in the following chart:

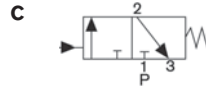
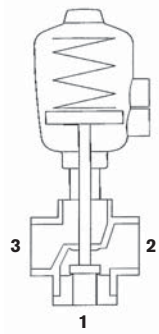


Connections for fluidic circuit functions C, D, E and F

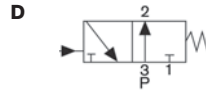
Actuator with control function A
When de-energised port connection 1 is closed with spring

Fluidic circuit function	Connection - port		
	1	2	3
C	P	A	R
D	R	A	P
E	P1	A	P2
F	A	P	B

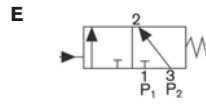
A, B service ports
P, P1, P2 pressure ports
R exhaust port



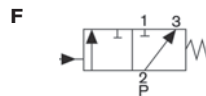
When de-energised, pressure port 1 closed, service port 2 exhausted



When de-energised, pressure port 3 connected to service port 2, exhaust port 1 closed

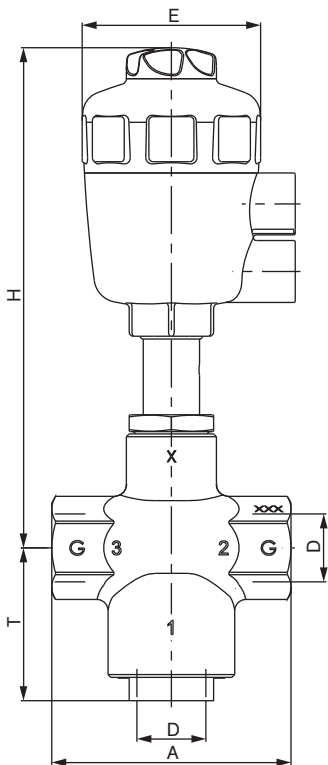


Mixer valve
When de-energised, pressure port 3 connected to service port 2, pressure port 1 closed



Distributor valve
When de-energised, pressure port 2 connected to service port 3, service port 1 closed

Dimensions [mm]



Orifice	Actuator size Ø	Port connection D	A	E	H	T	
15	50	G 1/2	85	64	178	54	
	63			80			220
20	50	G 3/4	85	64	178	54	
	63			80			220
25	63	G 1	105	80	220	54	
32	80	G 1 1/4	130	101	249	68	
	125			158			345
40	63	G 1 1/2	130	80	226	68	
	80			101			249
	125			158			345
50	125	G 2	150	158	352	72	

Ordering chart for valves with port 1 closed by spring action (other versions on request)

Threaded connection acc. to EN ISO 228-1

Control function	Port connection	Orifice [mm]	Actuator size Ø [mm]	Kv value water [m³/h]		Min. pilot pressure [bar]	Max. operating pressure to 180°C [bar]		Weight [kg]	Item no. PA actuator	Item no. PPS actuator
				1 → 2	2 → 3		1 → 2	2 → 3 2 → 1			
A 3/2 way, normally closed (NC) (port 1)	G 1/2	15	50	7	4.5	4.4	11	16	1.3	287 191	287 202
			63	8	4.5	4.7	16	16	1.6	287 192	287 203
	G 3/4	20	50	9	6.2	4.4	11	16	1.3	287 193	287 204
			63	11	5.6	4.7	16	16	1.6	287 194	287 205
	G 1	25	63	17	11	4.9	10	16	2.1	287 195	287 206
			80	32	21	6.0	9	16	4.3	287 196	287 207
	G 1 1/4	32	125	35	24	3.4	14	16	8.1	287 197	287 208
			80	35	24	6.0	9	16	4.3	287 199	287 210
	G 1 1/2	40	125	35	24	3.4	14	16	8.1	287 200	287 211
			80	35	24	6.0	9	16	4.3	287 199	287 210
	G 2	50	125	51	35	4.3	10	16	9.5	287 201	287 212
			80	35	24	6.0	9	16	4.3	287 199	287 210

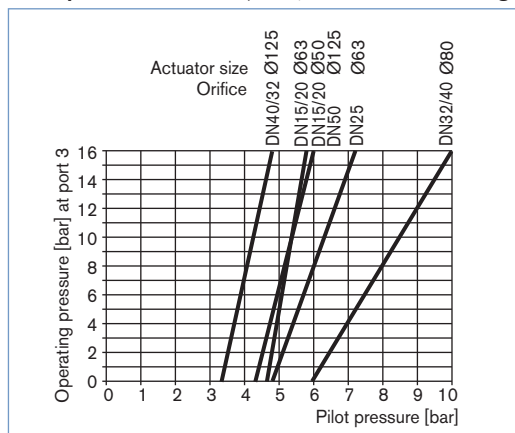
Threaded connection with NPT thread acc. to ANSI B 1.20.1

Control function	Port connection	Orifice [mm]	Actuator size Ø [mm]	Kv value water [m³/h]		Min. pilot pressure [bar]	Max. operating pressure to 180°C [bar]		Weight [kg]	Item no. PA actuator	Item no. PPS actuator
				1 → 2	2 → 3		1 → 2	2 → 3 2 → 1			
A 3/2 way, normally closed (NC) (port 1)	NPT 1/2	15	50	7	4.5	4.4	11	16	1.3	292 542	292 553
			63	8	4.5	4.7	16	16	1.6	292 543	292 554
	NPT 3/4	20	50	9	6.2	4.4	11	16	1.3	292 544	292 555
			63	11	5.6	4.7	16	16	1.6	292 545	292 556
	NPT 1	25	63	17	11	4.9	10	16	2.1	292 546	292 557
			80	32	21	6.0	9	16	4.3	292 547	292 558
	NPT 1 1/4	32	125	35	24	3.4	14	16	8.1	292 548	292 559
			80	35	24	6.0	9	16	4.3	292 550	292 560
	NPT 1 1/2	40	125	35	24	3.4	14	16	8.1	292 551	292 561
			80	35	24	6.0	9	16	4.3	292 550	292 560
	NPT 2	50	125	51	35	4.3	10	16	9.5	292 552	292 562
			80	35	24	6.0	9	16	4.3	292 550	292 560

i Further versions on request

 Port connection
RC thread

Pilot pressure chart (CFA, flow direction 3 g 2)



Ordering chart for accessories

3/2 way pilot valves with banjo bolts

Seal material valve FKM, seal material banjo bolt NBR

Valve for actuator size [Ø mm]	Type	Pressure inlet P (valve body)	Service port A (banjo bolt)	Orifice [mm]	Q _N value air [l/min]	Pressure range [bar]	Electrical coil connection Ind. Std.	Power consumption [W]	Item no. Voltage/frequency [V/Hz]	
									024/DC	230/50
50-63	6012P	Tube fitting ø6 mm	G 1/4	1.2	48	0-10	Form B	4	552 283	552 286
50-125	6014P	G 1/4	G 1/4	2	120	0-10	Form A	8	424 103	424 107

Cable plug Type 2507, Form B or Type 2508, Form A

	Item no.
Type 2507, Form B Industrial standard, 0 to 250 V without circuitry (Type 6012 P)	423 845
Type 2508, Form A acc. DIN EN 175301-803, 0 to 250 V without circuitry (Type 6014 P, Type 0331P)	008 376

For further accessories see the accessories datasheet Type 2XXX for the full options programme.

Type 8697 Pneumatic feedback unit

End position feedback											
Inductive Switch 3-wire PNP	Inductive Switch 2-wire NAMUR	Inductive Switch 2-wire 24V DC	Micro Switch 24V DC	Micro Switch 50-250V AC/DC	Feedback status LEDs	Electrical connection	ATEX / IECEx Cat. 3D/G Zone 22/2 ²⁾	ATEX / IECEx Cat. 2D/G Zone 21/1 ³⁾	ATEX / IECEx Cat. 2G Zone 1 ⁴⁾	cULus	Item no. Actuator series CLASSIC Types 20XX
Feedback (without pilot valve)											
2					yes	Cable gland				yes	248 827
2					yes	Cable gland	yes				255 851
2					yes	M12 connector	yes				255 858
2					yes	M12 connector				yes	250 472
	2				yes	Cable gland		yes			248 831
	2				yes	Cable gland			yes		255 863
		2			yes	Cable gland				yes	248 826
		2			yes	Cable gland	yes				255 850
			2			Cable gland				yes	248 833
				2		Cable gland				yes	248 825

Note: cULus only valid for versions without ATEX approval

²⁾ II 3D Ex tc IIIC T135 / II 3G Ex nA IIC T4 Gc

³⁾ II 2D Ex ia IIIC T135°C IP64 / II 2G Ex ia IIC T4 Gb

⁴⁾ II 2G Ex ia IIC T4 Gb

Adapter kit

Description	Actuator size	Control function	Item no.
Feedback	Ø50/63/80 mm	universal	682 264
Feedback	Ø125 mm	universal	682 265

Weitere Informationen siehe Datenblatt Typ 8697

To find your nearest Bürkert facility, click on the orange box →



In case of special application conditions, please consult for advice.

We reserve the right to make technical changes without notice.

1603/1_EU-en_00895288

2/2-way Globe Valve for media up to +180 °C, DN 10-100

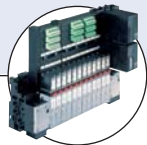


Type 2012 can be combined with...



Typ 8697

Electrical position feedback



Type 8640/8644

Valve block



Type 6012/6014 P

Pilot valve



Type 5470

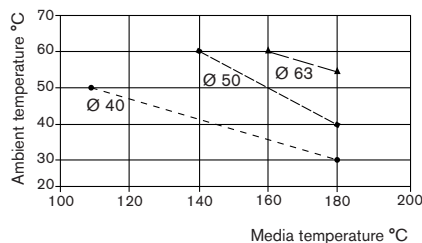
Solenoid valve

For process valves with decentralized automation see ELEMENT Type 2101



The externally piloted globe valve consists of a pneumatically operated piston actuator and a 2/2-way valve body. The actuator is made of PA or, for special operating conditions, PPS. The reliable self-adjusting packing gland provides high sealing integrity. These maintenance-free and robust valves can be retro-fitted with a comprehensive range of accessories for position indication, stroke limitation or manual override.

²⁾ **Note:** For PA actuators in the sizes 40, 50 and 63, the combination of max. media temperature and max. ambient temperature is as shown in the following chart:



Technical data	
Orifice	DN 10-100
Body material	Cast stainless steel 316L
Actuator material	PA, PPS
Seal material	PTFE (NBR, FKM and EPDM on request)
Medium	Water, alcohol, oils, fuel, salt solution, alkali solutions, organic solvents, steam
Viscosity	Max. 600 mm ² /s
Packing gland (with silicone grease)	PTFE
Nominal pressure	PN 25 (body)
Medium temperature ²⁾	-10 to +180 °C with PTFE seal
Ambient temperature PA actuator ¹⁾	
Actuator sizes up to Ø 125	-10 to +60 °C
Actuator sizes Ø 175-225	-10 to +50 °C
PPS actuator	
Actuator sizes Ø 40-80	+5 to +140 °C
Actuator sizes Ø 100-125	+5 to +90 °C
Installation	As required, preferably with actuator in upright position
Control medium	Neutral gases, air
Max. pilot pressure	
Actuator size Ø 40 - 80	PA and PPS 10 bar
Actuator size Ø 100	PA 10 bar
Actuator size Ø 100	PPS 7 bar
Actuator size Ø 125	PA and PPS 7 bar
Actuator size Ø 175-225	PA 6 bar

Content



Valve specifications

Type 2012

Technical data & ordering info.

p. 1-14



System spec. On/Off Classic

Type 8801-GA

Ordering info. & technical data

p. 15-16

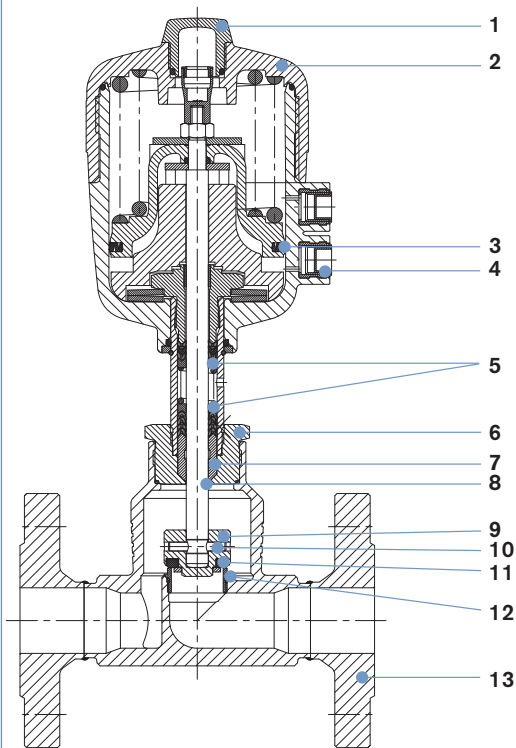
Request for quotation

Type 8801-GA

p. 17

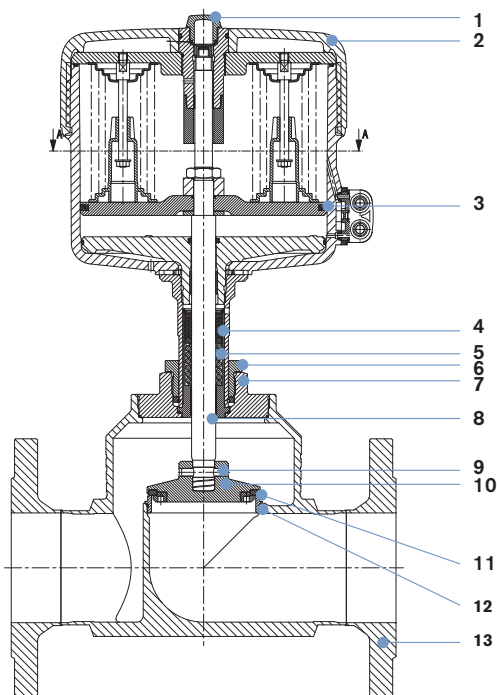
Materials

Actuator size 40-125 mm



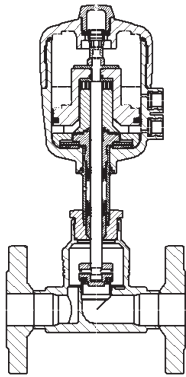
- | | | |
|----|-----------------|--|
| 1 | Transparent cap | PC, PSU |
| 2 | Actuator | PA, PPS |
| 3 | Cylinder seal | NBR, FKM |
| 4 | Pilot air ports | Stainless steel 1.4305 |
| 5 | V-seals | PTFE, FKM |
| 6 | Nipple | Stainless steel 1.4401 |
| 7 | Wiper | - PTFE
- PEEK Actuator size 100 mm and 125 mm |
| 8 | Spindle | Stainless steel 1.4401 |
| 9 | Swivel plate | Stainless steel 1.4401 |
| 10 | Pin | Stainless steel 1.4401 |
| 11 | Seal | PTFE (NBR, FKM, EPDM on request) |
| 12 | Valve seat | Stainless steel 1.4571 |
| 13 | Valve body | Stainless steel 316L |

Actuator size 175 and 225mm



- | | | |
|----|-----------------|----------------------------------|
| 1 | Transparent cap | PC |
| 2 | Actuator | PA |
| 3 | Cylinder seal | NBR |
| 4 | V-seals | PTFE |
| 5 | Spring | Stainless steel 1.4568 |
| 6 | Screw | Stainless steel 1.4305 |
| 7 | Nipple | Stainless steel 1.4404 |
| 8 | Spindle | Stainless steel 1.4401 |
| 9 | Pin | Stainless steel 1.4404 |
| 10 | Swivel plate | Stainless steel 1.4404 |
| 11 | Seal | PTFE (NBR, FKM, EPDM on request) |
| 12 | Valve seat | Stainless steel 1.4571 |
| 13 | Valve body | Stainless steel 316L |

Technical data for valves with flow direction below the seat

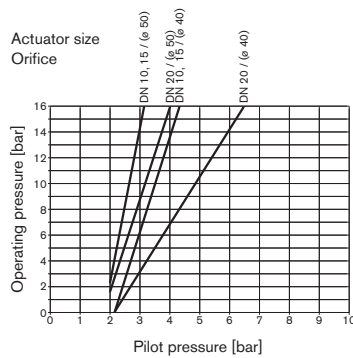


← Flow direction below seat
Type 2012 with flange port connection

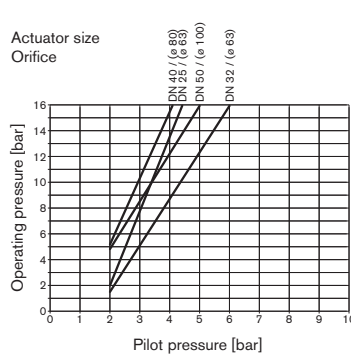
Orifice [mm]	Actuator size [mm]	Kv value water (m ³ /h)	Minimum pilot pressure CFA [bar]	Maximum operating pressure up to +180°		Weight with CFA Flange [kg]	Threaded port and weld end [kg]
				CFA [bar]	CFB [bar]		
10	40	4.7	4.0	15	16	2.3	0.8
	50	4.7	3.9	16	16	2.4	0.9
15	40	4.7	4.0	15	16	2.3	0.8
	50	4.7	3.9	16	16	2.4	0.9
20	40	8.1	4.0	6.5	16	3.1	0.9
	50	8.1	3.9	11	16	3.3	1.1
	63	8.1	4.5	16	–	3.7	1.5
25	63	13.0	4.5	11	16	4.6	2.0
	80	13.0	5.0	16	–	5.4	2.8
32	63	19.5	4.5	6	16	6.6	2.9
	80	19.5	5.0	14	–	7.4	3.7
40	80	31.0	5.0	9	16	8.4	4.2
	125	31.0	3.2	16	–	13.9	9.7
50	100	45.0	4.4	7.2	16	13.5	7.7
	125	45.0	3.2	10	–	15.6	9.8
65	125	73.0	5.6	12	15	20.2	12.9
	175	73.0	4.5	15	–	26	18.7
80	125	110.0	5.6	7.5	12.5	24.5	16.1
	175	110.0	4.5	10	–	30	21.3
	225	110.0	3.3	12.5	–	35.5	26.9
100	125	165.0	5.6	5	9	32.9	20.6
	175	155.0	4.5	7	10	37.9	25.6
	225	155.0	4.8	10	–	43.5	31.2

Pressure charts for control function B and flow direction below the seat

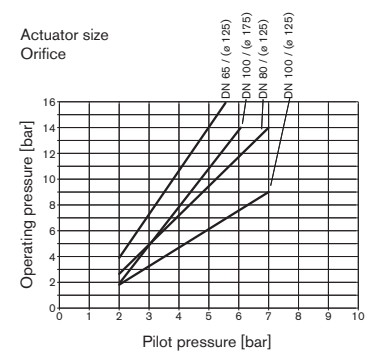
DN 10-20



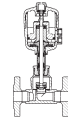
DN 25-50



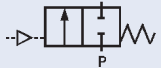
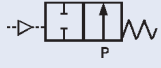
DN 65-100



Ordering chart for valves with flow direction below the seat (other versions on request)



Valves with stainless steel body and flange connection according to DIN EN 1092-1, flow below seat

Control function	Orifice [mm]	Actuator size Ø [mm]	Kv value water [m³/h]	Minimum pilot pressure [bar]	Operating pressure up to +180 °C [bar]	Item no. PA actuator	Item no. PPS actuator
 2/2-way valve, NC by spring action	10	40	4.7	4.0	15	146 227	146 362
		50	4.7	3.9	16	146 237	146 370
	15	40	4.7	4.0	15	146 247	–
		50	4.7	3.9	16	146 259	146 378
	20	40	8.1	4.0	6.5	146 271	–
		50	8.1	3.9	11	146 283	–
		63	8.1	4.5	16	146 295	146 390
	25	63	13.0	4.5	11	146 299	–
		80	13.0	5.0	16	146 310	146 398
	32	63	19.5	4.5	6	146 314	–
		80	19.5	5.0	14	146 322	146 406
	40	80	31.0	5.0	9	146 327	–
		125	31.0	3.2	16	146 339	146 414
	50	100	45.0	4.4	7.2	146 345	–
		125	45.0	3.2	10	146 357	146 422
	65	125	73.0	5.6	12	152 743	156 476
		175	73.0	4.5	15	152 761	–
	80	125	110.0	5.6	7.5	155 527	156 484
		175	110.0	4.5	10	152 779	–
		225	110.0	3.3	12.5	152 797	–
100	125	165.0	5.6	5	155 546	156 492	
	175	155.0	4.5	7.0	152 815	–	
	225	155.0	4.8	10	152 833	–	
 2/2-way valve, NO by spring action	10	40	4.7	see charts page 3	16	146 232	146 366
		50	4.7		16	146 242	146 374
	15	40	4.7		16	146 253	–
		50	4.7		16	146 265	146 382
	20	40	8.1		16	146 277	–
		50	8.1		16	146 289	146 386
	25	63	13.0		16	146 305	146 394
	32	63	19.5		16	146 318	146 402
	40	80	31.0		16	146 333	146 410
	50	100	45.0		16	146 351	146 418
	65	125	73.0		15	152 752	156 480
	80	125	110.0		12.5	152 770	156 488
	100	125	165.0		9	152 806	156 496
		175	155.0		10	152 824	–

i Further versions on request


Port connections
Flange acc. to ANSI, JIS
Clamp



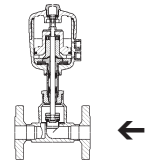
Control function
I (double-acting actuator)



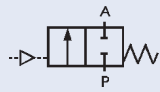
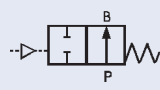
Approvals
GL, EC Gas Appliances Directive (previously DVGW), SIL



Mediums temperature
Valves for mediums temperature up to +200 °C or down to -40 °C

Ordering chart for valves with flow direction below the seat (other versions on request), *cont.*

Valves with stainless steel body and threaded port connection, flow below seat

Control function	Orifice [mm]	Threaded port connection	Actuator size Ø [mm]	Kv value water [m³/h]	Minimum pilot pressure [bar]	Operating pressure up to +180 °C [bar]	Item no. PA actuator	Item no. PPS actuator
A  2/2-way valve, NC by spring action	10	G 3/8	40	4.7	4.0	15	146 228	146 363
			50	4.7	3.9	16	146 238	146 371
	15	G 1/2	40	4.7	4.0	15	146 248	–
			50	4.7	3.9	16	146 260	146 379
	20	G 3/4	40	8.1	4.0	6.5	146 272	–
			50	8.1	3.9	11	146 284	–
			63	8.1	4.5	16	146 296	146 391
	25	G 1	63	13.0	4.5	11	146 300	–
			80	13.0	5.0	16	146 311	146 399
	32	G 1 1/4	63	19.5	4.5	6	146 315	–
			80	19.5	5.0	14	146 323	146 407
	40	G 1 1/2	80	31.0	5.0	9	146 328	–
			125	31.0	3.2	16	146 340	146 415
	50	G 2	100	45.0	4.4	7.2	146 346	–
125			45.0	3.2	10	146 358	146 423	
65	G 2 1/2	125	65.0	5.6	12	152 745	156 477	
		175	65.0	4.5	15	152 763	–	
B  2/2-way valve, NO by spring action	10	G 3/8	40	4.7	see charts page 3	16	146 233	146 367
			50	4.7		16	146 243	146 375
	15	G 1/2	40	4.7		16	146 254	–
			50	4.7		16	146 266	146 383
	20	G 3/4	40	8.1		16	146 278	–
			50	8.1		16	146 290	146 387
	25	G 1	63	13.0		16	146 306	146 395
	32	G 1 1/4	63	19.5		16	146 319	146 403
	40	G 1 1/2	80	31.0		16	146 334	146 411
	50	G 2	100	45.0		16	146 352	146 419
	65	G 2 1/2	125	65.0		15	152 754	156 481

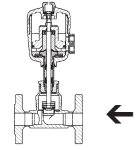
i Further versions on request

Port connections
 Threaded port NPT, Rc
 Clamp

Control function
 I (double-acting actuator)

Approvals
 GL, EC Gas Appliances Directive (previously DVGW), SIL

Mediums temperature
 Valves for mediums temperature up to +200 °C or down to -40 °C

Ordering chart for valves with flow direction below the seat (other versions on request), *cont.*

Valves with stainless steel body and weld end according to EN ISO 1127/ISO 4200, flow below seat

Control function	Orifice [mm]	Weld end EN ISO 1127/ ISO 4200 external Ø x Ws [mm]	Actuator size Ø [mm]	Kv value water [m ³ /h]	Minimum pilot pressure [bar]	Operating pressure up to + 180 °C [bar]	Item no. PA actuator	Item no. PPS actuator
<p>2/2-way valve, NC by spring action</p>	10	17.2 x 1.6	40	4.7	4.0	15	146 229	146 364
			50	4.7	3.9	16	146 239	146 372
	15	21.3 x 1.6	40	4.7	4.0	15	146 249	–
			50	4.7	3.9	16	146 261	146 380
	20	26.9 x 1.6	40	8.1	4.0	6.5	146 273	–
			50	8.1	3.9	11	146 285	–
			63	8.1	4.5	16	146 297	146 392
	25	33.7 x 2.0	63	13.0	4.5	11	146 301	–
			80	13.0	5.0	16	146 312	146 400
	32	42.4 x 2.0	63	19.5	4.5	6	146 316	–
			80	19.5	5.0	14	146 324	146 408
	40	48.3 x 2.0	80	31.0	5.0	9	146 329	–
			125	31.0	3.2	16	146 341	146 416
	50	60.3 x 2.0	100	45.0	4.4	7.2	146 347	–
			125	45.0	3.2	10	146 359	146 424
	65	76.1 x 2.3	125	73.0	5.6	12	152 748	156 478
			175	73.0	4.5	15	152 766	–
	80	88.9 x 2.3	125	110.0	5.6	7.5	155 542	156 486
175			110.0	4.5	10	152 784	–	
225			110.0	3.3	12.5	152 802	–	
100	114.3 x 2.6	125	165.0	5.6	5	155 551	156 494	
		175	155.0	4.5	7.0	152 820	–	
		225	155.0	4.8	10	152 838	–	
<p>2/2-way valve, NO by spring action</p>	10	17.2 x 1.6	40	4.7	see charts page 3	16	146 234	146 368
			50	4.7		16	146 244	146 376
	15	21.3 x 1.6	40	4.7		16	146 255	–
			50	4.7		16	146 267	146 384
	20	26.9 x 1.6	40	8.1		16	146 279	–
			50	8.1		16	146 291	146 388
	25	33.7 x 2.0	63	13.0		16	146 307	146 396
	32	42.4 x 2.0	63	19.5		16	146 320	146 404
	40	48.3 x 2.0	80	31.0		16	146 335	146 412
	50	60.3 x 2.0	100	45.0		16	146 353	146 420
	65	76.1 x 2.3	125	73.0		15	152 757	156 482
	80	88.9 x 2.3	125	110.0		12.5	152 775	156 490
	100	114.3 x 2.6	125	165.0		9	152 811	156 498
			175	155.0		10	152 829	–

i Further versions on request


Port connections
Weld end O.D.
Clamp



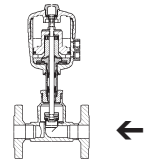
Control function
I (double-acting actuator)



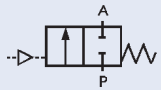
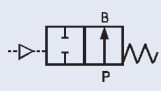
Approvals
GL, EC Gas Appliances Directive (previously DVGW), SIL



Mediums temperature
Valves for mediums temperature up to +200 °C or down to -40 °C

Ordering chart for valves with flow direction below the seat (other versions on request), *cont.*

Valves with stainless steel body and weld end according to DIN 11850 Series 2, flow below seat

Control function	Orifice [mm]	Weld end DIN 11850 S2 external Ø x Ws [mm]	Actuator size Ø [mm]	Kv value water [m ³ /h]	Minimum pilot pressure [bar]	Operating pressure up to + 180 °C [bar]	Item no. PA actuator	Item no. PPS actuator
A  2/2-way valve, NC by spring action	10	13 x 1.5	40	4.7	4.0	15	146 230	146 365
			50	4.7	3.9	16	146 240	146 373
	15	19 x 1.5	40	4.7	4.0	15	146 250	–
			50	4.7	3.9	16	146 262	146 381
	20	23 x 1.5	40	8.1	4.0	6.5	146 274	–
			50	8.1	3.9	11	146 286	–
			63	8.1	4.5	16	146 298	146 393
	25	29 x 1.5	63	13.0	4.5	11	146 302	–
			80	13.0	5.0	16	146 313	146 401
	32	35 x 1.5	63	19.5	4.5	6	146 317	–
			80	19.5	5.0	14	146 325	146 409
	40	41 x 1.5	80	31.0	5.0	9	146 330	–
			125	31.0	3.2	16	146 342	146 417
	50	53 x 1.5	100	45.0	4.4	7.2	146 348	–
			125	45.0	3.2	10	146 360	146 425
	65	70.0 x 2.0	125	73.0	5.6	12	152 749	156 479
			175	73.0	4.5	15	152 767	–
	80	85.0 x 2.0	125	110.0	5.6	7.5	155 543	156 487
175			110.0	4.5	10	152 785	–	
225			110.0	3.3	12.5	152 803	–	
100	104.0 x 2.0	125	165.0	5.6	5	155 552	156 495	
		175	155.0	4.5	7.0	152 821	–	
		225	155.0	4.8	10	152 839	–	
B  2/2-way valve, NO by spring action	10	13 x 1.5	40	4.7	see charts page 3	16	146 235	146 369
			50	4.7		16	146 245	146 377
	15	19 x 1.5	40	4.7		16	146 256	–
			50	4.7		16	146 268	146 385
	20	23 x 1.5	40	8.1		16	146 280	–
			50	8.1		16	146 292	146 389
	25	29 x 1.5	63	13.0		16	146 308	146 397
	32	35 x 1.5	63	19.5		16	146 321	146 405
	40	41 x 1.5	80	31.0		16	146 336	146 413
	50	53 x 1.5	100	45.0		16	146 354	146 421
	65	70.0 x 2.0	125	73.0		15	152 758	156 483
	80	85.0 x 2.0	125	110.0		12.5	152 776	156 491
	100	104.0 x 2.0	125	165.0		9	152 812	156 499
			175	155.0		10	152 830	–

i Further versions on request

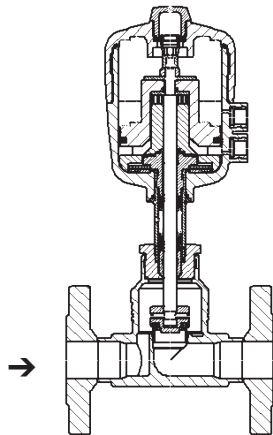
Port connections
 Weld end O.D.
 Clamp

Control function
 I (double-acting actuator)

Approvals
 GL, EC Gas Appliances Directive (previously DVGW), SIL

Mediums temperature
 Valves for mediums temperature up to +200 °C or down to -40 °C

Technical data for valves with flow direction above the seat



Flow direction above seat

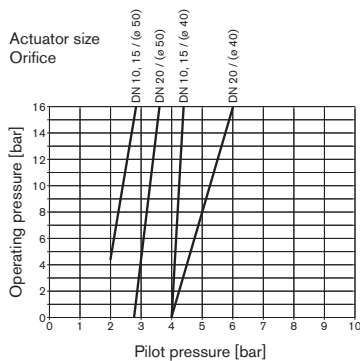
Type 2012 with flange connection

Technical data	Flow direction above the seat
Medium	Gaseous medium and steam
Other technical data	Please see technical data for flow direction below seat

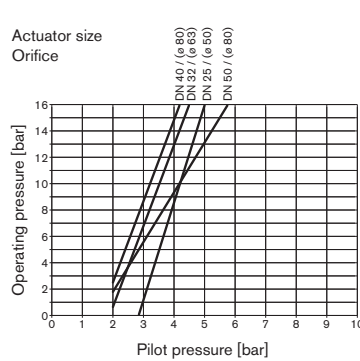
Orifice [mm]	Actuator size [mm]	Kv value water [m³/h]	Operating pressure up to +180° [bar]	Weight with flange [kg]	Threaded port and weld end [kg]
10	40	3.0	16	2.3	0.8
	50	3.0	16	2.4	0.9
15	40	4.7	16	2.3	0.8
	50	4.7	16	2.4	0.9
20	40	8.1	16	3.1	0.9
	50	8.1	16	3.3	1.1
25	50	13.0	16	4.0	1.4
32	63	19.5	16	6.6	2.9
40	80	31.0	16	8.4	4.2
50	80	45.0	16	11.4	5.6
65	125	73.0	10	20.2	12.9
80	125	110.0	10	24.5	16.1
100	125	165.0	6	32.9	20.6

Pressure charts

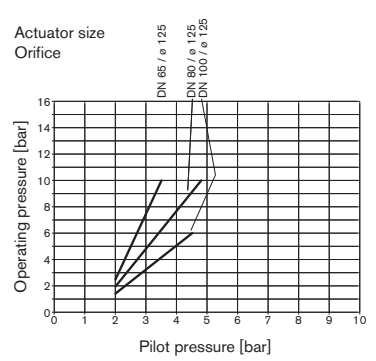
DN 10-20



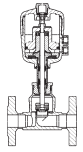
DN 25-50



DN 65-100



Ordering chart valves with flow direction above the seat (other versions on request)



Valves with stainless steel body and flange connection according to DIN EN 1092-1, flow above seat

Control function	Orifice [mm]	Connection	Actuator size Ø [mm]	Kv value water [m³/h]	Minimum pilot pressure [bar]	Operating pressure up to +180 °C [bar]	Item no. PA actuator	Item no. PPS actuator
<p>2/2-way valve, NC by spring action</p>	10	Flange	40	4.7	see charts page 8	16	146 427	–
		Flange	50	4.7		16	146 432	146 492
	15	Flange	40	4.7		16	146 437	–
		Flange	50	4.7		16	146 443	146 496
	20	Flange	40	8.1		16	146 448	–
		Flange	50	8.1		16	146 454	146 500
	25	Flange	50	13.0		16	146 460	146 504
	32	Flange	63	19.5		16	146 465	146 508
	40	Flange	80	31.0		16	146 476	146 512
	50	Flange	80	45.0		16	146 487	146 516
	65	Flange	125	73.0		10	152 842	–
	80	Flange	125	110.0		10	152 851	–
	100	Flange	125	165.0		6	152 860	–

Valves with stainless steel body and threaded port connection, flow above seat

Control function	Orifice [mm]	Connection	Actuator size Ø [mm]	Kv value water [m³/h]	Minimum pilot pressure [bar]	Operating pressure up to +180 °C [bar]	Item no. PA actuator	Item no. PPS actuator
<p>2/2-way valve, NC by spring action</p>	10	G 3/8	40	4.7	see charts page 8	16	146 428	–
			50	4.7		16	146 433	146 493
	15	G 1/2	40	4.7		16	146 438	–
			50	4.7		16	146 444	146 497
	20	G 3/4	40	8.1		16	146 449	–
			50	8.1		16	146 455	146 501
	25	G 1	50	13.0		16	146 461	146 505
	32	G 1/4	63	19.5		16	146 466	146 509
	40	G 1 1/2	80	31.0		16	146 477	146 513
	50	G 2	80	45.0		16	146 488	146 517
	65	G 2 1/2	125	65.0		10	152 844	–

Attention!

Valves with flow direction above the seat are only conditionally usable for liquid media.

Waterhammer will occur! For flange and threaded port connections pilot pressures, please refer to Charts on page 8.

Further versions on request
**Port connections**

Flange acc. to ANSI, JIS
Threaded port NPT, Rc
Clamp

**Control function**

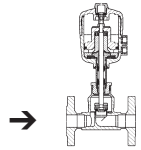
I (double-acting actuator) and B (spring-return normally-open)

**Approvals**

GL, EC Gas Appliances Directive (previously DVGW), SIL

**Mediums temperature**

Valves for mediums temperature up to +200 °C or down to -40 °C

Ordering chart valves with flow direction above the seat (other versions on request), *cont.*

Valves with stainless steel body and weld end according to EN ISO 1127/ISO 4200, flow above seat

Control function	Orifice [mm]	Weld end external Ø x Ws [mm]	Actuator size Ø [mm]	Kv value water [m³/h]	Minimum pilot pressure [bar]	Operating pressure up to +180 °C [bar]	Item no. PA actuator	Item no. PPS actuator
A 2/2-way valve, NC by spring action	10	17.2 x 1.6	40	4.7	see charts page 8	16	146 429	–
			50	4.7		16	146 434	146 494
	15	21.3 x 1.6	40	4.7		16	146 439	–
			50	4.7		16	146 445	146 498
	20	26.9 x 1.6	40	8.1		16	146 450	–
			50	8.1		16	146 456	146 502
	25	33.7 x 2.0	50	13.0		16	146 462	146 506
	32	42.4 x 2.0	63	19.5		16	146 467	146 510
	40	48.3 x 2.0	80	31.0		16	146 478	146 514
	50	60.3 x 2.0	80	45.0		16	146 489	146 518
65	76.1 x 2.3	125	73.0	10	152 847	–		
80	88.9 x 2.3	125	110.0	10	152 856	–		
100	114.3 x 2.6	125	165.0	6	152 865	–		

Valves with stainless steel body and weld end according to DIN 11850 Series 2, flow above seat

Control function	Orifice [mm]	Weld end external Ø x Ws [mm]	Actuator size Ø [mm]	Kv value water [m³/h]	Minimum pilot pressure [bar]	Operating pressure up to +180 °C [bar]	Item no. PA actuator	Item no. PPS actuator
A 2/2-way valve, NC by spring action	10	13 x 1.5	40	4.7	see charts page 8	16	146 430	–
			50	4.7		16	146 435	146 495
	15	19 x 1.5	40	4.7		16	146 440	–
			50	4.7		16	146 446	146 499
	20	23 x 1.5	40	8.1		16	146 451	–
			50	8.1		16	146 457	146 503
	25	29 x 1.5	50	13.0		16	146 463	146 507
	32	35 x 1.5	63	19.5		16	146 468	146 511
	40	41 x 1.5	80	31.0		16	146 479	146 515
	50	53 x 1.5	80	45.0		16	146 490	146 519
65	70.0 x 2.0	125	73.0	10	152 848	–		
80	85.0 x 2.0	125	110.0	10	152 857	–		
100	104.0 x 2.0	125	165.0	6	152 866	–		

Attention!

Valves with flow direction above the seat are only conditionally usable for liquid media. Waterhammer will occur! For weld ends according to EN ISO 1127/ISO 4200 and DIN 11850 Series 2 pilot pressures, please refer to Charts page 8.

i Further versions on request

Port connections
Weld end, O.D.
Clamp



Control function
I (double-acting actuator) and B (spring-return normally-open)



Approvals
GL, EC Gas Appliances Directive (previously DVGW), SIL



Mediums temperature
Valves for mediums temperature up to +200 °C or down to -40 °C

Ordering chart for accessories

3/2-way pilot valves with banjo bolts

Seal material valve FKM, seal material banjo bolt NBR

Valve for actuator size [Ø mm]	Type	Pressure inlet P (valve body)	Service port A (banjo bolt)	Orifice [mm]	Qn value air [l/min]	Pressure range [bar]	Electrical coil connection Ind. Std.	Power consumption [W]	Item no. Voltage/frequency [V/Hz]	
									024/DC	230/50
40	6012P	Tube fitting ø6 mm	G 1/8	1.2	48	0-10	Form B	4	552 287	552 290
40	6012P	G 1/8	G 1/8	1.2	48	0-10	Form B	4	552 299	552 302
40	6012P	G 1/4	G 1/8	1.2	48	0-10	Form B	4	552 295	552 298
50-63	6012P	Tube fitting ø6 mm	G 1/4	1.2	48	0-10	Form B	4	552 283	552 286
50-125	6014P	G 1/4	G 1/4	2	120	0-10	Form A	8	424 103	424 107
175-225	6014P	G 1/8	G 1/4	2.5	174	0-6	Form A	8	786 014	786 015
175-225	0331P	G 1/4	G 1/4	3	194	0-10	Form A	8	–	041 233

Cable plug Type 2507, Form B or Type 2508, Form A

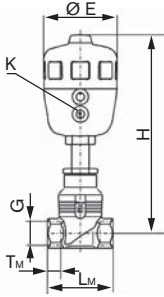
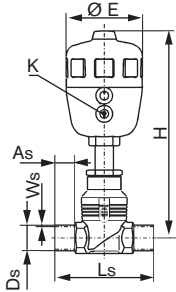
	Item no.
Type 2507, Form B Industrial standard, 0 to 250 V without circuitry (Type 6012 P)	423 845
Type 2508, Form A acc. DIN EN 175301-803, 0 to 250 V without circuitry (Type 6014 P, Type 0331P)	008 376

For further accessories see Type 1062, or the accessories datasheet Type 2XXX for the full options programme.

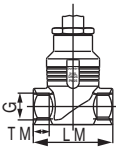
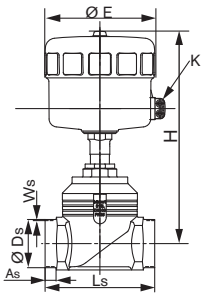
Note: For design reasons, some of the accessories cannot be supplied for actuator size Ø 40, 175 and 225 mm. Please request the accessories datasheet Type 2XXX.

Dimensions [mm]

Threaded and weld end
DN 10-50

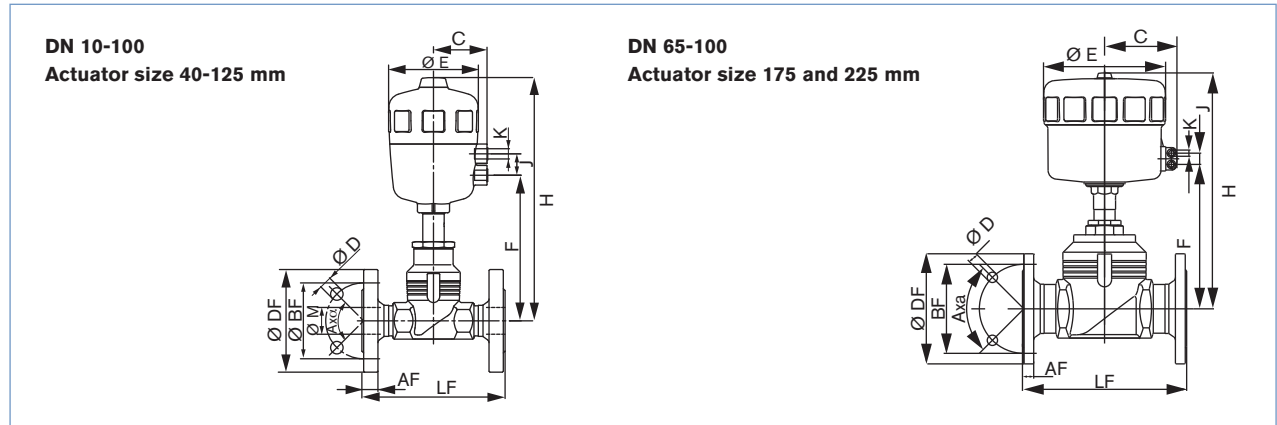
<p>With threaded port connection</p> 					<p>With weld end acc. to EN ISO 1127/ISO 4200 or DIN 11850 Series 2</p> 										
All bodies					Threaded port body			Weld end bodies EN ISO 1127/ISO 4200				Weld end bodies DIN11850 Series 2			
DN	Actuator size Ø	E Ø	H	K	G	LM	TM	As	Ds	Ls	Ws	As	Ds	Ls	Ws
10	40	53	185	G 1/8	G 3/8	65	12	20	17.2	90	1.6	20	13	90	1.5
	50	64	211	G 1/4											
15	40	53	185	G 1/8	G 1/2	65	14	20	21.3	90	1.6	20	19	90	1.5
	50	64	211	G 1/4											
20	40	53	187	G 1/8	G 3/4	75	16	20	26.9	100	1.6	20	23	100	1.5
	50	64	213	G 1/4											
	63	80	247												
25	50	64	220	G 1/4	G 1	90	18	26	33.7	130	2.0	26	29	130	1.5
	63	80	251												
	80	101	273												
32	63	80	271	G 1/4	G 1 1/4	110	20	26	42.4	140	2.0	26	35	140	1.5
	80	101	294												
40	80	101	299	G 1/4	G 1 1/2	120	22	26	48.3	150	2.0	26	41	150	1.5
	100	127	366												
	125	157	397												
50	80	101	309	G 1/4	G 2	150	24	26	60.3	175	2.0	26	53	175	1.5
	100	127	370												
	125	153	402												

DN 65-100

<p>With threaded port connection</p> 					<p>With weld end acc. to EN ISO 1127/ISO 4200 or DIN 11850 Series 2</p> 										
All bodies					Threaded port body			Weld end bodies EN ISO 1127/ISO 4200				Weld end bodies DIN11850 Series 2			
DN	Actuator size Ø	E Ø	H	K	G	LM	TM	As	Ds	Ls	Ws	As	Ds	Ls	Ws
65	125	157	430	G 1/4	G 2 1/2	185	26	26	76.1	210	2.3	26	70	210	2
	175	211	491												
80	125	157	440	G 1/4	-	-	-	26	88.9	230	2.3	26	85	230	2
	175	211	498												
	225	261	494												
100	125	157	450	G 1/4	-	-	-	26	114.3	260	2.6	26	104	260	2
	175	211	508												
	225	261	504												

Dimensions [mm], *continued*

Flange connection



All bodies								DIN flange							JIS flange							
DN	Actuator	C	ØE	F	H	K	J	ØDF	LF	ØBF	AF	ØD	AxD	ØM	ØDF	LF	ØBF	AF	ØD	AxD	ØM	
10	40	33	53	116	185	G1/8	16.5	90	130	60	16	14	4x90°	14	-	-	-	-	-	-	-	-
	50	44	64	131	211	G1/4	24	90	130	60	16	14	4x90°	14	-	-	-	-	-	-	-	-
15	40	33	53	116	185	G1/8	16.5	95	130	65	16	14	4x90°	18	95	108	70	12	15	4x90°	18	
	50	44	64	131	211	G1/4	24	95	130	65	16	14	4x90°	18	95	108	70	12	15	4x90°	18	
20	40	33	53	118	187	G1/8	16.5	105	150	75	18	14	4x90°	24	100	117	75	14	15	4x90°	24	
	50	44	64	135	213	G1/4	24	105	150	75	18	14	4x90°	24	100	117	75	14	15	4x90°	24	
	63	52	80	155	247	G1/4	24	105	150	75	18	14	4x90°	24	100	117	75	14	15	4x90°	24	
25	50	44	64	140	220	G1/4	24	115	160	85	18	14	4x90°	30	125	127	90	14	19	4x90°	30	
	63	52	80	159	251	G1/4	24	115	160	85	18	14	4x90°	30	125	127	90	14	19	4x90°	30	
	80	60	101	164	273	G1/4	24	115	160	85	18	14	4x90°	30	125	127	90	14	19	4x90°	30	
32	63	52	80	179	271	G1/4	24	140	180	100	18	18	4x90°	38	135	140	100	16	19	4x90°	38	
	80	60	101	184	294	G1/4	24	140	180	100	18	18	4x90°	38	135	140	100	16	19	4x90°	38	
40	63	52	80	184	276	G1/4	24	150	200	110	18	18	4x90°	44	140	165	105	16	19	4x90°	44	
	80	60	101	189	299	G1/4	24	150	200	110	18	18	4x90°	44	140	165	105	16	19	4x90°	44	
	100	73	127	214	366	G1/4	30	150	200	110	18	18	4x90°	44	140	165	105	16	19	4x90°	44	
	125	86	157	220	397	G1/4	30	150	200	110	18	18	4x90°	44	140	165	105	16	19	4x90°	44	
50	63	52	80	195	287	G1/4	24	165	230	125	20	18	4x90°	56	155	203	120	16	19	4x90°	56	
	80	60	101	199	309	G1/4	24	165	230	125	20	18	4x90°	56	155	203	120	16	19	4x90°	56	
	100	73	127	218	370	G1/4	30	165	230	125	20	18	4x90°	56	155	203	120	16	19	4x90°	56	
	125	86	157	225	402	G1/4	30	165	230	125	20	18	4x90°	56	155	203	120	16	19	4x90°	56	
65	125	86	157	254	430	G1/4	30	185	290	145	22	18	8x45°	66	175	216	140	18	19	4x90°	72	
	175	130	211	289	491	G1/4	24	185	290	145	22	18	8x45°	66	175	216	140	18	19	4x90°	72	
80	125	86	157	264	440	G1/4	30	200	310	160	24	18	8x45°	81	185	241	150	18	19	8x45°	84	
	175	130	211	296	498	G1/4	24	200	310	160	24	18	8x45°	81	185	241	150	18	19	8x45°	84	
	225	155	261	299	494	G1/4	24	200	310	160	24	18	8x45°	81	185	241	150	18	19	8x45°	84	
100	125	86	157	274	450	G1/4	30	235	350	190	24	22	8x45°	100	210	292	175	18	19	8x45°	109	
	175	130	211	306	508	G1/4	24	235	350	190	24	22	8x45°	100	210	292	175	18	19	8x45°	109	
	225	155	261	309	504	G1/4	24	235	350	190	24	22	8x45°	100	210	292	175	18	19	8x45°	109	

Dimensions [mm], *continued*

Flange connection

All bodies								ANSI flange						
DN	Actuator	C	ØE	F	H	K	J	ØDF	LF	ØBF	AF	ØD	AxD	ØM
1/2"	40	33	53	116	185	G1/8	16.5	89	184	60.5	11.2	15.7	4x90°	16
	50	44	64	131	211	G1/4	24	89	184	60.5	11.2	15.7	4x90°	16
3/4"	40	33	53	118	187	G1/8	16.5	99	184	69.9	12.7	15.7	4x90°	21
	50	44	64	135	213	G1/4	24	99	184	69.9	12.7	15.7	4x90°	21
	63	52	80	155	247	G1/4	24	99	184	69.9	12.7	15.7	4x90°	21
1"	50	44	64	140	220	G1/4	24	108	184	79.2	14.2	15.7	4x90°	27
	63	52	80	159	251	G1/4	24	108	184	79.2	14.2	15.7	4x90°	27
	80	60	101	164	273	G1/4	24	108	184	79.2	14.2	15.7	4x90°	27
1 1/2"	63	52	80	184	276	G1/4	24	127	222	98.6	17.5	15.7	4x90°	41
	80	60	101	189	299	G1/4	24	127	222	98.6	17.5	15.7	4x90°	41
	100	73	127	214	366	G1/4	30	127	222	98.6	17.5	15.7	4x90°	41
	125	86	157	220	397	G1/4	30	127	222	98.6	17.5	15.7	4x90°	41
2"	63	52	80	195	287	G1/4	24	152	254	120.7	19.1	19.1	4x90°	53
	80	60	101	199	309	G1/4	24	152	254	120.7	19.1	19.1	4x90°	53
	100	73	127	218	370	G1/4	30	152	254	120.7	19.1	19.1	4x90°	53
	125	86	157	225	402	G1/4	30	152	254	120.7	19.1	19.1	4x90°	53
2 1/2"	125	86	157	254	430	G1/4	30	178	276	139.7	22.3	19.1	4x90°	63
	175	130	211	289	491	G1/4	24	178	276	139.7	22.3	19.1	4x90°	63
3"	125	86	157	264	440	G1/4	30	190	298	152.4	23.9	19.1	4x90°	78
	175	130	211	296	498	G1/4	24	190	298	152.4	23.9	19.1	4x90°	78
	225	155	261	299	494	G1/4	24	190	298	152.4	23.9	19.1	4x90°	78
4"	125	86	157	274	450	G1/4	30	229	352	190.5	23.9	19.1	8x45°	102
	175	130	211	306	508	G1/4	24	229	352	190.5	23.9	19.1	8x45°	102
	225	155	261	309	504	G1/4	24	229	352	190.5	23.9	19.1	8x45°	102

Ordering information for valve system On/Off CLASSIC Type 8801-YA

An **globe valve Type 2012** can be combined with the **feedback Type 8697** to form a **valve system On/Off CLASSIC**.

The valve system On/Off CLASSIC is composed of:

- a feedback **Type 8697** (see separate datasheet)
- a globe valve **Type 2012** (see ordering chart p. 4)

More
info.

For the configuration of further valve systems please use the "Request for quotation" on p. 17 [go to page](#)

You order two components and receive a complete assembled and certified valve.



Electrical position feedback

More
info.



Type 8697

Actuator size 40 to 225

The pneumatic control unit Type 8697 is designed for integrated mounting on CLASSIC series 20XX process valves suiting the requirements of hygienic process environment. Mechanical or inductive limit switches register the position of the valve.

Features

- Compact design
- LED position indicator
- Mechanical or inductive limit switches for end position registering
- Easy to clean chemically resistant housing featuring IP65 / IP67, 4X Rating
- Optional intrinsically safe version acc. to ATEX

Benefits

- Easy and quick installation
- High level of signal reliability thanks to self adjusting limit switches
- Signal safety through the automatic adjustment of the limit switches
- Minimised space requirement in the plant piping for more flexibility in plant design

Click on the orange box „More info“... you will come to our website for the resp. product where you can download the data sheet.

Dimensions for valve system On/Off Classic Type 8801-GA [mm]

Dimensions valve system On/Off Classic Type 8801-GA with electrical position feedback Type 8697

Port connection [mm]	Actuator size [mm]	Threaded			Weld end DIN 11850				Weld end EN ISO 1127 / ISO 4200				Flange DIN EN 1092-1			
		HM	øG	LM	H	Ds	Ls	Ws	H	Ds	Ls	Ws	H	øDF	DF	øM
10	40	286	G 3/8	65	286	13	90	1.5	286	17.2	90	1.6	286	90	130	14
	50	306			306				306				306			
15	40	286	G 1/2	65	286	19	90	1.5	286	21.3	90	1.6	286	95	130	18
	50	306			306				306				306			
20	40	288	G 3/4	75	288	23	100	1.5	288	26.9	100	1.6	288	105	150	24
	50	308			308				308				308			
	63	342			342				342				342			
25	50	-	-	-	-	-	-	-	-	-	-	-	315	115	160	30
	63	346	G1	90	346	29	130	1.5	346	33.7	130	2	346			
	80	368			368				368				368			
32	63	366	G1 1/4	110	366	35	140	1.5	366	42.4	140	2	366	140	180	38
	80	390			390				390				390			
40	80	394	G1 1/2	120	394	41	150	1.5	394	48.3	150	2	394	150	200	44
	125	492			492				492				492			
50	100	465	G2	150	465	53	175	1.5	465	60.3	175	2	465	165	230	56
	125	497			497				497				497			
65	125	525	G2 1/2	185	525	70	210	2	525	76.1	210	2.3	525	185	290	66
	175	586			586				586				586			
80	125	-	-	-	535	85	230	2	535	88.9	230	2.3	535	200	310	81
	175	-			593				593				593			
	225				-	-	-	-	-	-	-	-	589			
100	125	-	-	-	545	104	260	2	545	114.3	260	2.6	545	235	350	100
	175	-			603				603				603			
	225	-			599				599				599			

Note

You can fill out the fields directly in the PDF file before printing out the form.

Valve system On/Off Classic Type 8801-GA – request for quotation

Please fill out and send to your nearest Bürkert facility* with your inquiry or order

Company	Contact person
Customer no.	Department
Address	Tel./Fax
Postcode/town	E-Mail

= mandatory fields to fill out

Quantity

Required delivery date

Operating data

Pipeline	DN	<input type="text"/>	PN	<input type="text"/>
Pipe material	<input type="text"/>			
Process medium	<input type="text"/>			
Type of medium	<input type="checkbox"/> Liquid	<input type="checkbox"/> Steam	<input type="checkbox"/> Gas	
	standard	unit		
Flow rate (Q, Q _N , W) ¹⁾	<input type="text"/>	<input type="text"/>		
Temperature at valve inlet	<input type="text"/>	<input type="text"/>		
Absolute pressure at valve inlet	<input type="text"/>	<input type="text"/>		

¹⁾ standard unit: Liquid Q = m³/h; Steam W = kg/h; Gas Q_N = Nm³/h

Valve features

Actuator material	<input type="checkbox"/> PA	<input type="checkbox"/> PPS
Body material	<input type="checkbox"/> Stainless steel	<input type="checkbox"/> Gunmetal
Seat sealing material	<input type="checkbox"/> PTFE <input type="checkbox"/> NBR	<input type="checkbox"/> Other <input type="text"/>
Nominal pressure	PN	<input type="text"/>
Nominal size	DN	<input type="text"/>
Type of connection	<input type="checkbox"/> Welded <input type="checkbox"/> Internal thread <input type="checkbox"/> Clamp	
Standard connection	<input type="checkbox"/> ISO <input type="checkbox"/> DIN <input type="checkbox"/> ANSI <input type="checkbox"/> JIS <input type="checkbox"/> Other <input type="text"/>	
Function	<input type="checkbox"/> NC ²⁾ <input type="checkbox"/> NO ²⁾ <input type="checkbox"/> Double-acting	
Pilot pressure	<input type="text"/> min.	<input type="text"/> max.

²⁾ NC: normally closed by spring action; NO: normally open by spring action

Automation unit features

Click on the orange box „More info“... you will come to our website for the resp. product where you can download the data sheet.

Electrical position feedback

Type 8697
For actuator size 40 to 225



- LED position indicator
- Mechanical or inductive limit switches for end position registering
- Housing with IP65/IP67, 4X rating protection
- Optional intrinsically safe version acc. to ATEX / IECEx

Position feedback switches

- Micro switch 24V DC
- Micro switch 50 – 225 V DC/AC
- Inductive switch 3-wire PNP
- Inductive switch 2-wire NAMUR
- Inductive switch 2-wire 24V DC

Electrical connection

- Cable gland
- M12 connector
(applicable only with inductive switch 3-wire PNP)

Number of Position feedback switches

- 2x

Approval

- ATEX cat. 3GD, IECEx
- ATEX cat. 2DG, IECEx
- without

Valve system On/Off Classic Type 8801-GA – request for quotation, *continued*

Valve accessories	
Pilot valve	Stroke limitation
<input type="checkbox"/> Pilot valve	<input type="checkbox"/> Stroke limitation
Power supply <input type="text"/>	<input type="checkbox"/> Min./max. stroke limitation , with visual position indicator
	<input type="checkbox"/> Max. stroke limitation , without visual position indicator
Please specify item no. if known: <input type="text"/>	Please specify item no. if known: <input type="text"/>

Certifications
<input type="checkbox"/> Attestation of compliance with the order EN-ISO 10204 2.1
<input type="checkbox"/> Test report EN-ISO 10204 2.2
<input type="checkbox"/> Certification of Conformity for Raw Material EN-ISO 10204 3.1
<input type="checkbox"/> EN161 (EC Gas Appliances Directive)

Comment / sketch

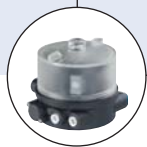
*To find your nearest Bürkert facility, click on the orange box → 



2/2-way-Globe Valve with stainless steel design for media up to +185°C, DN 15-100

- High cycle life
- Flow optimised body in stainless steel 316L
- Deliverable with flow direction below or above seat
- Clean design for optimal use in hygienic environment
- Suitable for steam up to 10 bar(g)

Type 2101 can be combined with...



Type 8690

Pneum. control unit with feedback



Type 8691

Control head



Type 8695

Control head



Type 8619

MulticELL Transmitter/Controller



Type 8222

Conductivity transmitter

In line with Bürkert's philosophy for modular valves and sensors the construction of the 2101 globe valve fulfils tough criteria for process environments. Unrivalled cycle life and sealing integrity is guaranteed by the proven self adjusting spindle packing with V-seals.

The design enables the easy integration of automation modules whether they are electrical/optical position feedback, pneumatic control units, an integrated fieldbus interface.

The fully integrated system has a compact and smooth design, integrated pneumatic lines, IP65/67 protection class and superior chemical resistance.

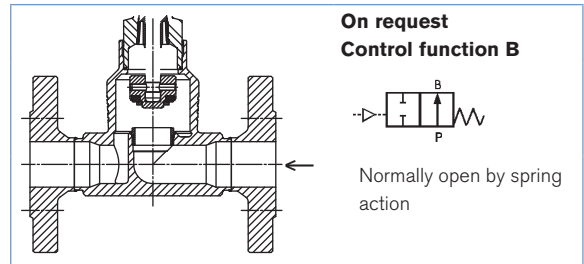
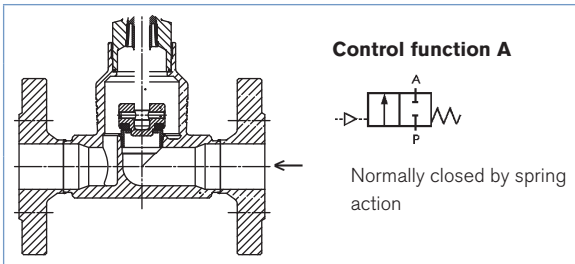
Optionally, an explosion-proof version is also available

Technical data	
Orifice	DN15 to DN100
Port connections Flange acc. to Welded and threaded	DIN EN 1092-1, ANSI B16.5, JIS 10K on request
Body material	Cast stainless steel 316L
Nominal pressure	PN25 (Body)
Actuator material Actuator / Cover	PPS / Stainless steel 1.4561 (316Ti)
Sealing material	PTFE
Medium	Water, alcohol, oils, fuels, hydraulic fluids, salt solution, alkali solutions, organic solvents, steam optional fuel gas (EC Gas Appliances Directive 2009/142/EG)
Viscosity	max. 600 mm ² /s
Spindle packing	PTFE V-rings with spring compensation
Medium temperature	-10 to +185°C
Ambient temperature	0 to +55°C (integrated control head) 0 to +60°C (push-in air ports)
Control medium	Neutral gases, air
Max. pilot pressure	max. 10 bar; actuator size 130 mm, 7 bar
Pilot air ports	Push-in connector for external ø 6 mm or 1/4" tube, thread G1/8 (on request)
Installation	As required, preferably with actuator in upright position

Content

Valve specifications		System spec. On/Off ELEMENT		Request for quotation	
	Type 2101		Type 8801-GC		Type 8801-GC
Technical data & ordering info.	p. 1-8	Technical data & ordering info.	p. 9-16		p.15

Technical data globe valve Type 2101 flow direction below the seat (for gases and liquids)



Orifice [mm]	Actuator size [mm]	Kv value water (m³/h)	Minimum pilot pressure CFA [bar]	Operating pressure up to +185°C	
				CFA [bar]	On request :CFB [bar]
15	50	4.7	4.8	25	16
	70	4.7	4.8	25	16
20	50	8.1	4.8	16	16
	70	8.1	4.8	20	16
25	50	13	4.8	9	14.5
	70	13	4.8	16	16
32	70	19.5	4.8	8.5	16
	90	19.5	5.0	16	16
40	70	31	4.8	6	16
	90	31	5.0	16	16
50	70	45	-	-	16
	90	45	5.0	10	16
	130	45	5.0	16	-
65	90	73	5.0	5	14
	130	73	5.6	16 (15*)	16 (15*)
80	130	110	5.6	10	11
100	130	165	5.6	6	7

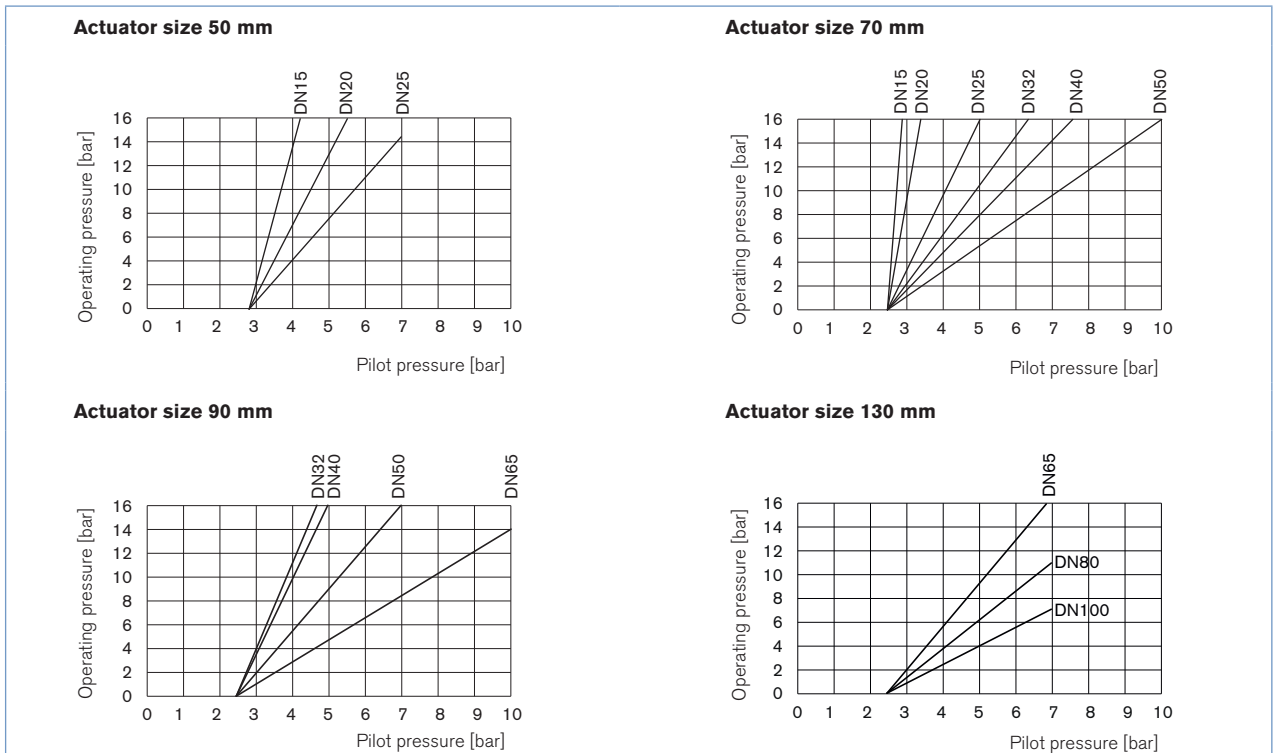
Flow rate: Kv value water [m³/h]: Measured at +20°C, 1 bar pressure at valve inlet and free outlet.

Pressure valves [bar]: Overpressure to the atmospheric pressure

* acc. to the Pressure Equipment Directive 97/23 / EC for compressible fluids in Group 1 (hazardous gases and vapors in accordance with Article 3, Section 1.3, letter a, first dash)

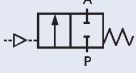
On request control function B

Pressure charts with control function B and flow direction below the seat

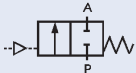


Ordering chart Type 2101, flow direction below the seat (for gases and liquids)

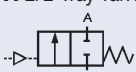
Flange connection acc. to DIN EN 1092-1, flow direction below the seat

Control function	Orifice (mm)	Actuator size ϕ [mm]	Minimum pilot pressure [bar]	Operating pressure up to +185°C [bar]	Item no.	Item no. certified Atex II 2GD Mechanical
A 2/2-way valve. NC 	15	50	5.2	25	203 076	260 092
	20	50	5.2	16	203 077	260 093
		70	4.8	20	203 078	260 094
	25	50	5.2	9	203 079	260 095
		70	4.8	16	189 700	260 096
	32	70	4.8	8.5	203 080	260 099
		90	5.0	16	203 081	260 100
	40	70	4.8	6	203 082	260 101
		90	5.0	16	203 083	260 103
	50	90	5.0	10	203 084	260 104
		130	5.0	16	218 418	260 106
	65	90	5.0	5	239 524	260 107
		130	5.6	16 (15*)	219 533	260 109
	80	130	5.6	10	239 528	260 110
100	130	5.6	6	239 531	260 144	

Flange connection acc. to ANSI B16.5, flow direction below the seat


Control function	Orifice (mm)	Actuator size ϕ [mm]	Minimum pilot pressure [bar]	Operating pressure up to +185°C [bar]	Item no.
A 2/2-way valve. NC 	15	50	5.2	25	203 095
	20	50	5.2	16	203 086
		70	4.8	20	203 097
	25	50	5.2	9	203 098
		70	4.8	16	203 099
	40	70	4.8	6	203 100
		90	5.0	16	203 101
	50	90	5.0	10	203 102
		130	5.0	16	218 419
	65	90	5.0	5	239 525
		130	5.6	16 (15*)	239 527
	80	130	5.6	10	239 529
	100	130	5.6	6	239 532


Flange connection acc. to JIS 10K, flow direction below the seat

Control function	Orifice (mm)	Actuator size ϕ [mm]	Minimum pilot pressure [bar]	Operating pressure up to +185°C [bar]	Item no.
A 2/2-way valve. NC 	15	50	5.2	25	203 111
	20	50	5.2	16	203 112
		70	4.8	20	203 113
	25	50	5.2	9	203 114
		70	4.8	16	203 115
	40	70	4.8	6	203 118
		90	5.0	16	203 121
	50	90	5.0	10	203 122
		130	5.0	16	218 471
	65	90	5.0	5	239 526
		130	5.6	16 (15*)	219 537
	80	130	5.6	10	239 530
	100	130	5.6	6	239 533

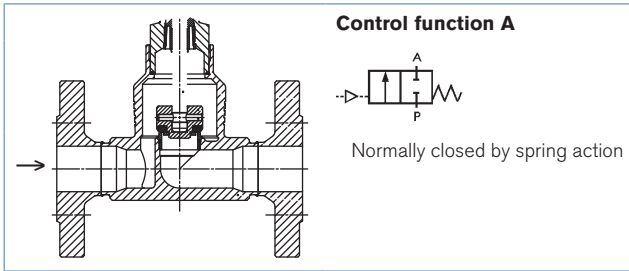
* acc. to the Pressure Equipment Directive 97/23 / EC for compressible fluids in Group 1 (hazardous gases and vapors in accordance with Article 3, Section 1.3, letter a, first dash)

i Further versions on request

 **Control function**
B (normally open) and I (double-acting)

 **Port connection**
Welded and threaded ports

Technical data globe valve Type 2101 flow direction above the seat (for gases and steam)



Attention!

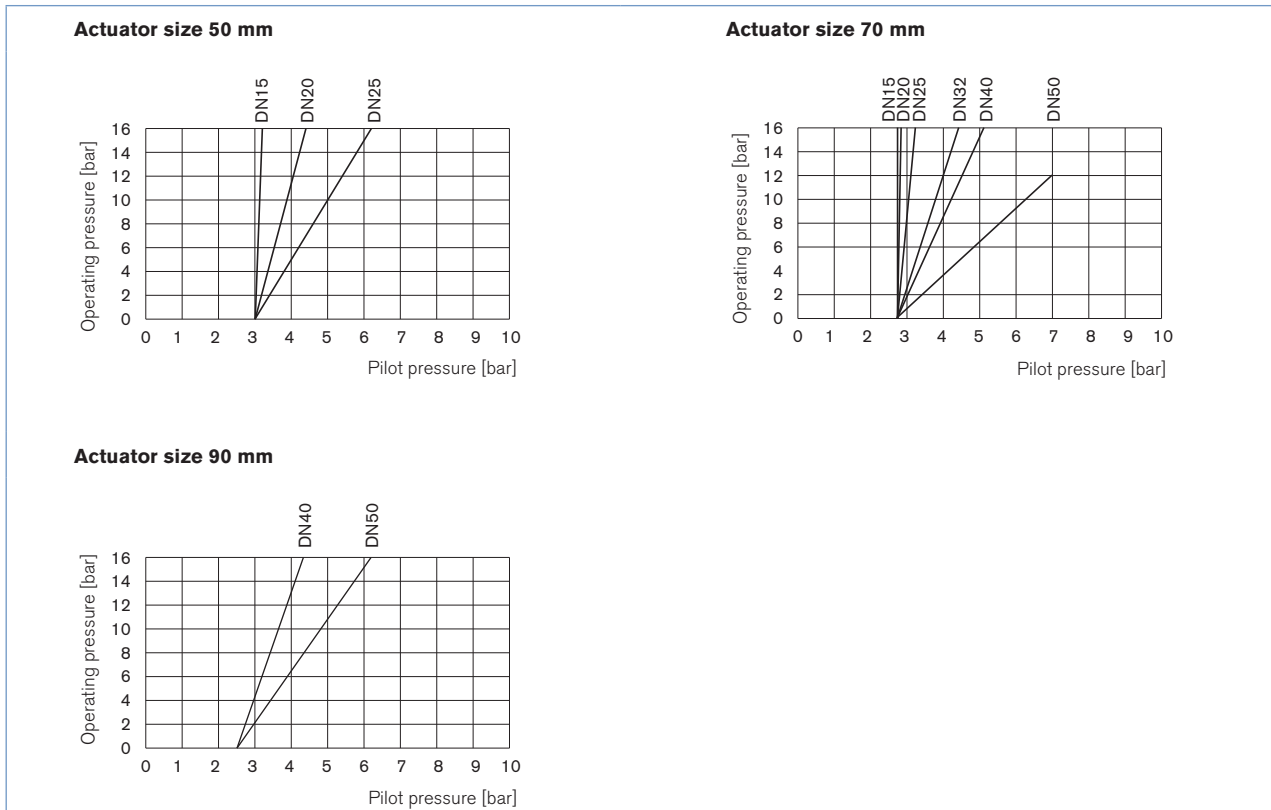
Valves with flow above the seat are only conditionally usable for liquid medium. There is a danger of waterhammer!

Orifice [mm]	Actuator size [mm]	Kv value water (m ³ /h)	Operating pressure up to +185°C CFA [bar]
15	50	4.7	16
	70	4.7	16
20	50	8.1	16
	70	8.1	16
25	50	13	16
	70	13	16
32	70	19.5	16
40	70	31	16
	90	31	16
50	70	45	12
	90	45	16

Flow rate: Kv value water [m³/h]: Measured at +20°C, 1 bar pressure at valve inlet and free outlet.

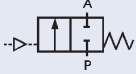
Pressure valves [bar]: Overpressure to the atmospheric pressure

Pressure charts with control function A and flow direction above the seat

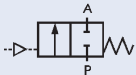


Ordering chart Type 2101 flow direction above the seat (for gases and steam)

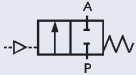
Flange connection acc. to DIN EN 1092-1, flow direction below the seat

Control function	Orifice (mm)	Actuator size \varnothing [mm]	Minimum pilot pressure [bar]	Operating pressure up to +185°C [bar]	Item no.	Item no. certified Atex II 2GD Mechanical
A 2/2-way valve. NC 	15	50	see chart on p. 4	16	203 086	260 145
	20	50		16	203 087	260 146
	25	50		16	203 088	260 151
	32	70		16	203 091	260 153
	40	70		16	203 092	260 154
	50	70		12	204 973	260 157
	90	16		203 094	260 158	

Flange connection acc. to ANSI B16.5, flow direction below the seat

Control function	Orifice (mm)	Actuator size \varnothing [mm]	Minimum pilot pressure [bar]	Operating pressure up to +185°C [bar]	Item no.
A 2/2-way valve. NC 	15	50	see chart on p. 4	16	203 103
	20	50		16	203 104
	25	50		16	203 105
	40	70		16	203 107
	50	70		12	204 974
	90	16		203 109	

Flange connection acc. to JIS 10K, flow direction below the seat

Control function	Orifice (mm)	Actuator size \varnothing [mm]	Minimum pilot pressure [bar]	Operating pressure up to +185°C [bar]	Item no.
A 2/2-way valve. NC 	15	50	see chart on p. 4	16	203 123
	20	50		16	203 124
	25	50		16	203 125
	40	70		16	203 127
	50	70		12	204 975
	90	16		203 129	

i Further versions on request

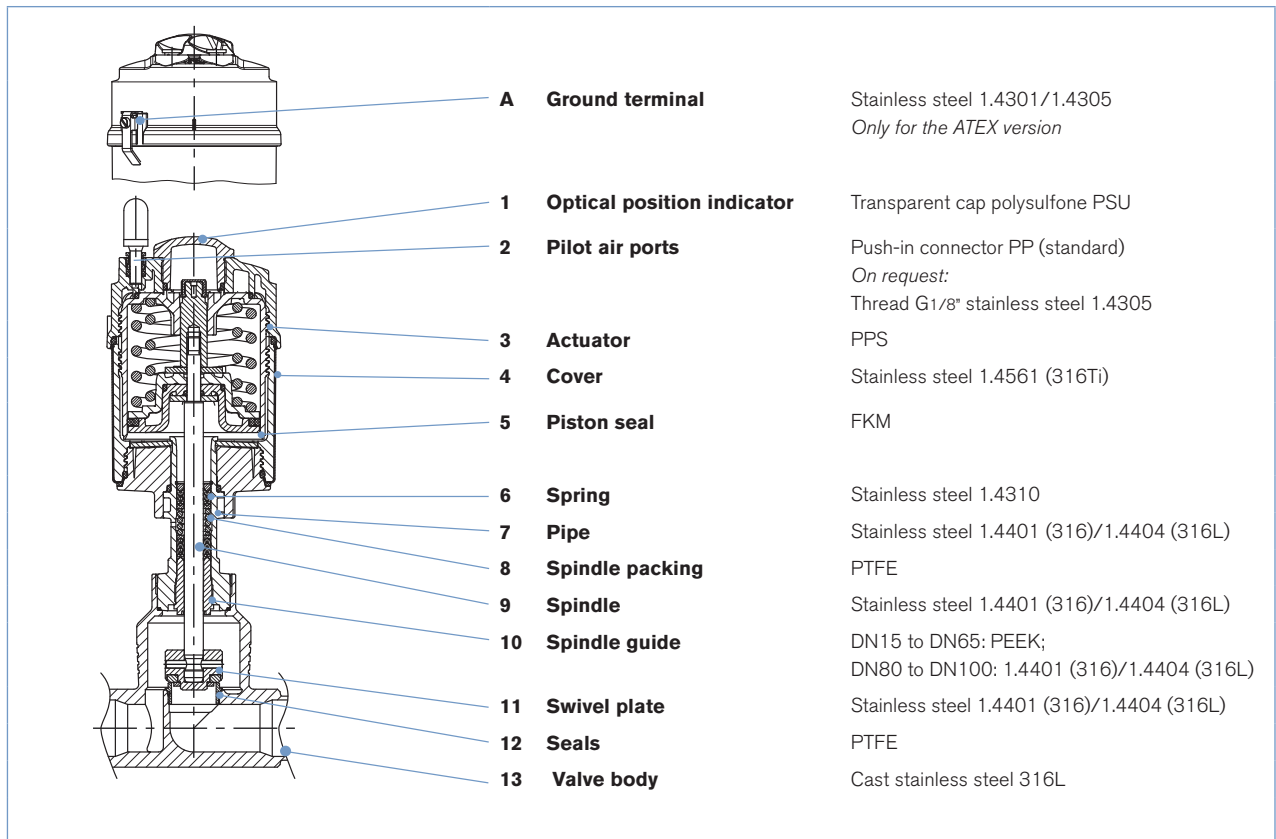
Control function

B (normally open) and I (double-acting)


Port connection

Welded and threaded ports

Materials globe valve Type 2101



Lubricants for spindle packing and actuator are classified according NSF H1

Dimensions globe valve Type 2101 [mm]

Flanged body

Hose connection for
6/4 mm plastic tube or
G1/8" connection

Actuator size (ø)	K
D (50)	9.7
M (70)	11
N (90)	11
P (130)	11

	Version
√ ^{rotated} Rz = 160 min. Rz = 40	DIN
√ ^{rotated} Rz = 160 min. Rz = 100	JIS
Ra = 1.6 √ 50 grooves / in R = 0.06	ANSI

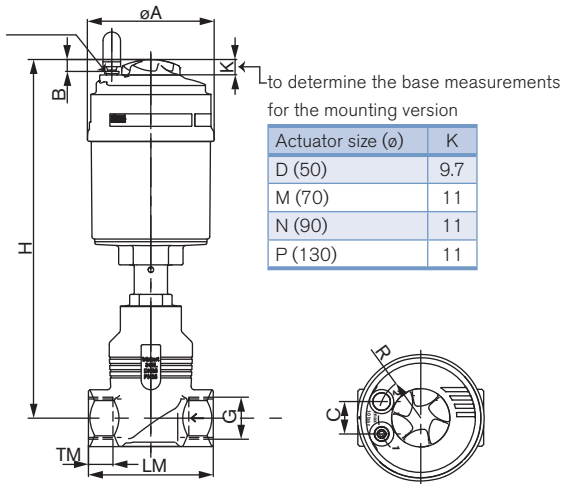
Orifice size	Actuator size	All bodies					Flange acc. to DIN EN 1092-1, FTF acc. to EN558-1 Series 1					Flange acc. to JIS 10K, FTF acc. to EN558-2 Series 20									
		øA	B	C	R	H	øDF	LF	øBF	AF	øD	Axα	øM	øDF	LF	øBF	AF	øD	Axα	øM	
15	50	64.5	6	19.8	19.8	236	90	130	60	16	14	4x90°	13.6	-	-	-	-	-	-	-	-
	70	91	8.5	23.3	30.5	250															
15	50	64.5	6	19.8	19.8	236	95	130	65	16	14	4x90°	18.1	95	108	70	12	15	4x90°	18.1	
	70	91	8.5	23.3	30.5	250															
20	50	64.5	6	19.8	19.8	242	105	150	75	18	14	4x90°	23.7	100	117	75	14	15	4x90°	23.7	
	70	91	8.5	23.3	30.5	256															
25	50	64.5	6	19.8	19.8	245	115	160	85	18	14	4x90°	29.7	125	127	90	14	19	4x90°	29.7	
	70	91	8.5	23.3	30.5	259															
32	70	91	8.5	23.3	30.5	280	140	180	100	18	18	4x90°	38.4	135	140	100	16	19	4x90°	38.4	
	90	120	8.5	23.3	30.5	340															
40	70	91	8.5	23.3	30.5	285	150	200	110	18	18	4x90°	44.3	140	165	105	16	19	4x90°	44.3	
	90	120	8.5	23.3	30.5	345															
50	130	159	8.5	23.3	30.5	397	165	230	125	20	18	4x90°	56.3	155	203	120	16	19	4x90°	56.3	
	70	91	8.5	23.3	30.5	295															
65	90	120	8.5	23.3	30.5	379	185	290	145	22	18	8x45°	66	175	216	140	18	19	4x90°	72	
	130	159	8.5	23.3	30.5	432															
80	130	159	8.5	23.3	30.5	465	200	310	160	24	18	8x45°	81	185	241	150	18	19	4x90°	84	
	100	130	159	8.5	23.3	30.5								475							
100	130	159	8.5	23.3	30.5	475	235	350	190	24	22	8x45°	100	210	292	175	18	19	8x45°	109	

Orifice size [inch]	Actuator size [mm]	All bodies					Flange acc. to ANSI B16.5, FTF acc. to EN558-2 Series 37						
		øA	B	C	R	H	øDF	LF	øBF	AF	øD	Axα	øM
1/2"	50	64.5	6	19.8	19.8	236	89	184	60.5	11.2	15.7	4x90°	15.7
	70	91	8.5	23.3	30.5	250							
3/4"	50	64.5	6	19.8	19.8	242	99	184	69.9	12.7	15.7	4x90°	20.8
	70	91	8.5	23.3	30.5	256							
1"	50	64.5	6	19.8	19.8	245	108	184	79.2	14.2	15.7	4x90°	26.7
	70	91	8.5	23.3	30.5	259							
1 1/2"	70	91	8.5	23.3	30.5	285	127	222	98.6	17.5	15.7	4x90°	40.9
	90	120	8.5	23.3	30.5	345							
2"	130	159	8.5	23.3	30.5	397	152	254	120.7	19.1	19.1	4x90°	52.6
	70	91	8.5	23.3	30.5	295							
2 1/2"	90	120	8.5	23.3	30.5	379	178	276	139.7	22.3	19.1	4x90°	63
	130	159	8.5	23.3	30.5	432							
3"	130	159	8.5	23.3	30.5	465	190	298	152.4	23.9	19.1	4x90°	78
	100	130	159	8.5	23.3	30.5							
4"	130	159	8.5	23.3	30.5	475	229	352	190.5	23.9	19.1	8x45°	102

Dimensions globe valve Type 2101 [mm], *continued*

Threaded body

Hose connection for
6/4 mm plastic tube or
G1/8" connection

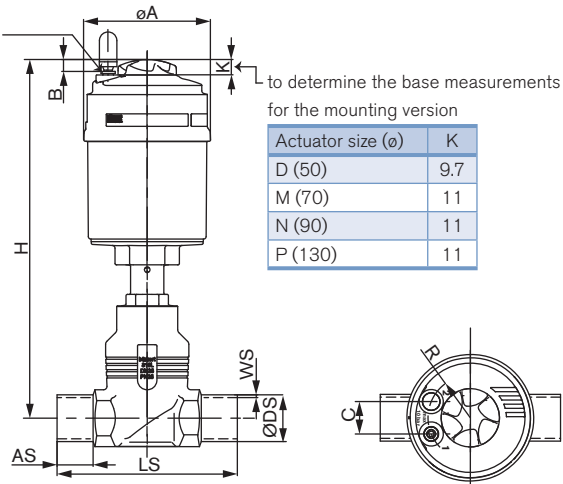


Orifice size	Actuator size	All bodies					G		NPT		Rc		
		øA	B	C	R	H	LM	G	TM	G	TM	G	TM
15	50	64.5	6	19.8	19.8	236	65	G 3/8"	12	NPT 3/8"	10.3	Rc 3/8"	10.1
	70	91	8.5	23.3	30.5	250							
15	50	64.5	6	19.8	19.8	236	65	G 1/2"	14	NPT 1/2"	13.7	Rc 1/2"	13.2
	70	91	8.5	23.3	30.5	250							
20	50	64.5	6	19.8	19.8	242	75	G 3/4"	16	NPT 3/4"	14	Rc 3/4"	14.5
	70	91	8.5	23.3	30.5	256							
25	50	64.5	6	19.8	19.8	245	90	G 1"	18	NPT 1"	16.8	Rc 1"	16.8
	70	91	8.5	23.3	30.5	259							
32	70	91	8.5	23.3	30.5	280	110	G 1 1/4"	20	NPT 1 1/4"	17.3	Rc 1 1/4"	19.1
	90	120	8.5	23.3	30.5	340							
	70	91	8.5	23.3	30.5	285							
40	90	120	8.5	23.3	30.5	345	120	G 1 1/2"	22	NPT 1 1/2"	17.3	Rc 1 1/2"	19.1
	130	159	8.5	23.3	30.5	397							
	70	91	8.5	23.3	30.5	295							
50	90	120	8.5	23.3	30.5	351	150	G 2"	24	NPT 2"	17.6	Rc 2"	23.4
	130	159	8.5	23.3	30.5	403							
	70	91	8.5	23.3	30.5	295							
65	90	120	8.5	23.3	30.5	379	185	G 2 1/2"	26	NPT 2 1/2"	23.7	Rc 2 1/2"	26.7
	130	159	8.5	23.3	30.5	432							

Dimensions globe valve Type 2101 [mm], *continued*

Weld end body

Hose connection for
6/4 mm plastic tube or
G1/8" connection



Orifice size	Actuator size	All bodies						ISO 4200		DIN 11850 R2		
		øA	B	C	R	H	AS	LS	ø DS	WS	ø DS	WS
15	50	64.5	6	19.8	19.8	236	20	90	17.2	1.6	13	1.5
	70	91	8.5	23.3	30.5	250						
15	50	64.5	6	19.8	19.8	236	20	90	21.3	1.6	19	1.5
	70	91	8.5	23.3	30.5	250						
20	50	64.5	6	19.8	19.8	242	20	10	26.9	1.6	23	1.5
	70	91	8.5	23.3	30.5	256						
25	50	64.5	6	19.8	19.8	245	26	130	33.7	2.0	29	1.5
	70	91	8.5	23.3	30.5	259						
32	70	91	8.5	23.3	30.5	280	26	140	42.4	2.0	35	1.5
	90	120	8.5	23.3	30.5	340						
	70	91	8.5	23.3	30.5	285						
40	90	120	8.5	23.3	30.5	345	26	150	48.3	2.0	41	1.5
	130	159	8.5	23.3	30.5	397						
	70	91	8.5	23.3	30.5	295						
50	90	120	8.5	23.3	30.5	351	26	175	60.3	2.0	53	1.5
	130	159	8.5	23.3	30.5	403						
	90	120	8.5	23.3	30.5	379						
65	90	120	8.5	23.3	30.5	379	26	210	76.1	2.3	70	2.0
	130	159	8.5	23.3	30.5	432						

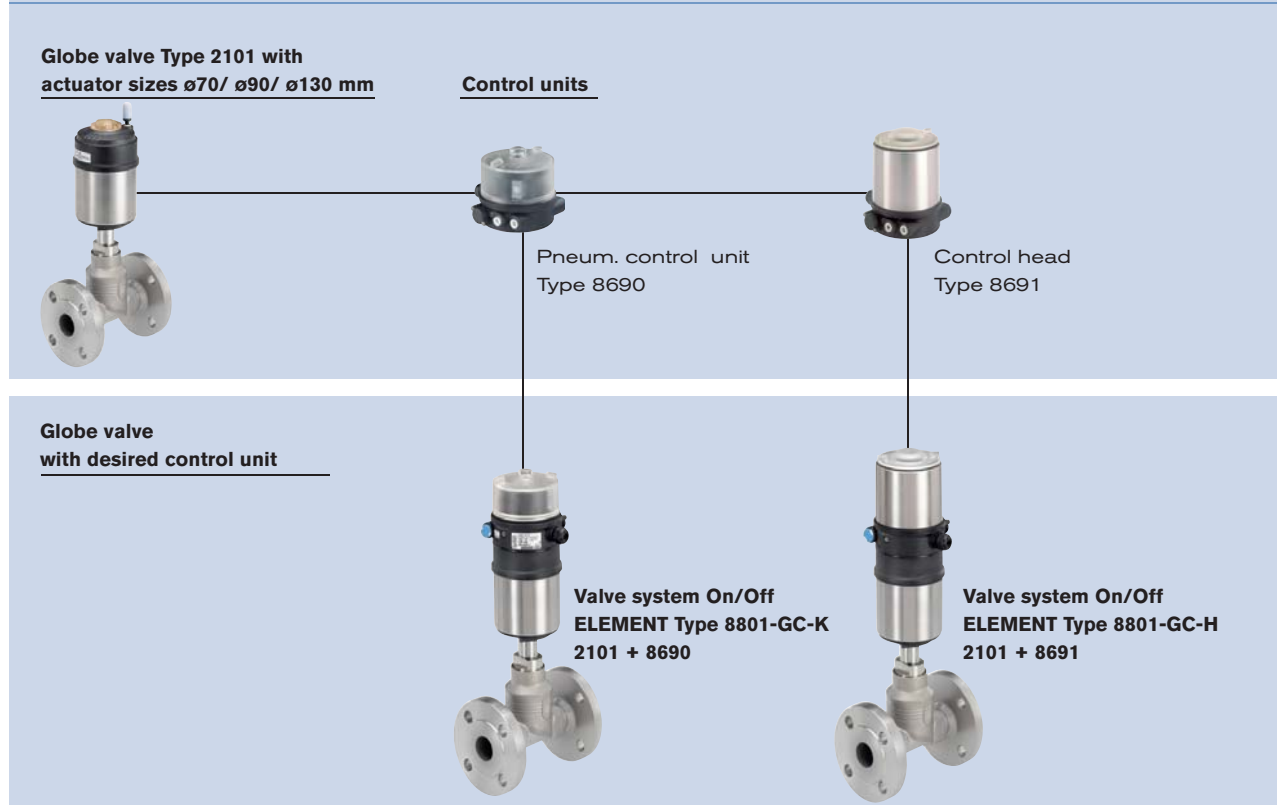
Orifice [inch]	Actuator size [mm]	All bodies						BS 4825 Part1		ASME BPE		
		øA	B	C	R	H	AS	LS	ø DS	WS	ø DS	WS
1/2"	50	64.5	6	19.8	19.8	236	20	90	12.7	1.2	12.7	1.65
	70	91	8.5	23.3	30.5	250						
3/4"	50	64.5	6	19.8	19.8	242	20	90	19.05	1.2	19.05	1.65
	70	91	8.5	23.3	30.5	256						
1"	50	64.5	6	19.8	19.8	245	20	100	25.4	1.6	25.4	1.6
	70	91	8.5	23.3	30.5	259						
1 1/2"	70	91	8.5	23.3	30.5	285	26	140	38.1	1.6	38.1	1.6
	90	120	8.5	23.3	30.5	345						
	130	159	8.5	23.3	30.5	397						
2"	70	91	8.5	23.3	30.5	295	26	150	50.8	1.6	50.8	1.6
	90	120	8.5	23.3	30.5	351						
	130	159	8.5	23.3	30.5	403						
2 1/2"	90	120	8.5	23.3	30.5	379	26	175	63.5	1.6	63.5	1.6
	130	159	8.5	23.3	30.5	432						

Ordering information for valve system On/Off ELEMENT Type 8801-GC

A valve system On/Off ELEMENT Type 8801-GC consists of an **Globe valve Type 2101** and a pneumatic control unit **Type 8690**, control head **Type 8691** (for valve actuator sizes $\varnothing 70/\varnothing 90/\varnothing 130\text{mm}$) or control head **Type 8695** (for valve actuator size $\varnothing 50\text{mm}$) (see separate data sheets). For the configuration of further valve systems please use the "Request for quotation" on p. 15 [go to page](#)


You order two components and receive a complete assembled and certified valve.

Ordering the valve system On/Off ELEMENT Type 8801-GC with valve actuator sizes $\varnothing 70/\varnothing 90/\varnothing 130\text{mm}$



Click on the orange box "More info." below... you will come to our website for the resp. product where you can download the data sheet.

Pneumatic control unit Type 8690



More info.

The new generation of integrated controllers for combination with actuators from the process valve series Type 21xx is specially designed for the requirements of hygienic process environments. The pneumatic control unit Type 8690 combines electrical position feedback and pneumatic control for single or double-acting actuators, and is also optionally available as an intrinsically safe model to ATEX.

Main customer benefits:

- Compact design of the valve system with integrated controller meets the demands for plant washdown environments through the selection of materials, external seals and integrated control air supply to the actuator.
- Integrated pilot valve with manual actuation
- Air intake filter enhances the process valve system availability
- Simple and reliable actuator adaptations allowing additional actuators of the process valve series, Type 20xx or actuators from other manufacturers to be used

Control head Type 8691



More info.

The new generation of integrated control heads for combination with actuators from the process valve series Type 21xx is specially designed for the requirements of hygienic process environments. The intelligent control head, Type 8691, detects the valve position by means of a contact-free analog position sensor circumventing excessive wear of mechanical parts. Single or double-acting actuators are controlled via the integral pilot valve. Communication interfaces AS-Interface and DeviceNet are available as options.

Main customer benefits:

- Compact, hygienic design of the valve system with integrated controller meets the demands of plant washdown environments through the selection of materials, external seals and integrated control air supply to the actuator.
- Automatic setting of the control head at the push of a button
- Even under dirty or dark environments, a clearly visible status display due to powerful LEDs
- Monitoring and diagnosis: Process valve systems with field bus interface used in modern plant processes
- Integrated pilot valve with manual actuation
- Air intake filter enhances the process valve system availability
- Simple and reliable actuator adaptations allowing additional actuators of the process valve series, Type 20xx or actuators from other manufacturers to be used

Ordering information for valve system On/Off ELEMENT Type 8801-GC, *continued*

A valve system On/Off ELEMENT Type 8801-GC consists of an Globe valve Type 2101 and a pneumatic control unit Type 8690, control head Type 8691 (for valve actuator sizes $\varnothing 70/\varnothing 90/\varnothing 130$ mm) or control head Type 8695 (for valve actuator size $\varnothing 50$ mm) (see separate data sheets). For the configuration of further valve systems please use the "Request for quotation" on p. 15 [go to page](#)

You order two components and receive a complete assembled and certified valve.

Ordering the valve system On/Off ELEMENT Type 8801-GC with valve actuator sizes $\varnothing 50$ mm

Globe valve Type 2101 with actuator size $\varnothing 50$ mm



Control unit



Control head
Type 8695

Globe valve with desired control unit



**Valve system On/Off ELEMENT Type 8801-GC-M
2101 + 8695**

Click on the orange box "More info." below... you will come to our website for the resp. product where you can download the data sheet.

Control head Type 8695



More
info.

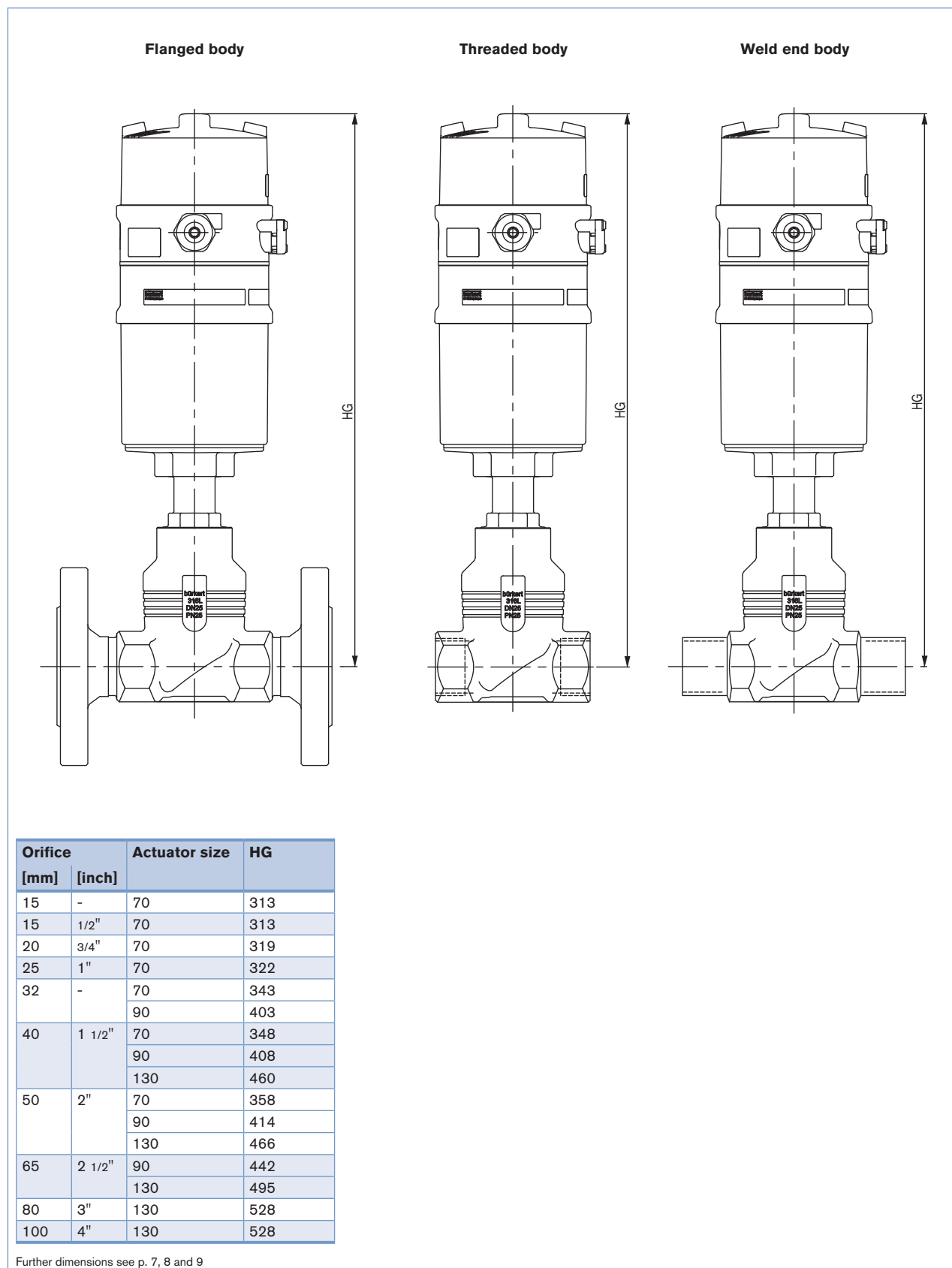
The new generation of integrated control heads for combination with small actuators from the process valve series Type 21xx is specially designed for the requirements of hygienic process environments. The intelligent control head, Type 8695, detects the valve position by means of a contact-free analog position sensor circumventing excessive wear of mechanical parts. Single and double-acting actuators are controlled via the integral pilot valve. An AS-Interface communication interface is available as an option.

Main customer benefits:

- Compact, hygienic design of the valve system with integrated controller meets the demands of plant washdown environments through the selection of materials, external seals and integrated control air supply to the actuator
- Automatic setting of the control head at the push of a button
- Visual status display on the control head
- Monitoring and diagnosis: Process valve systems with fieldbus interface used in modern plant processes
- Integrated pilot valve
- Simple and reliable actuator adaption

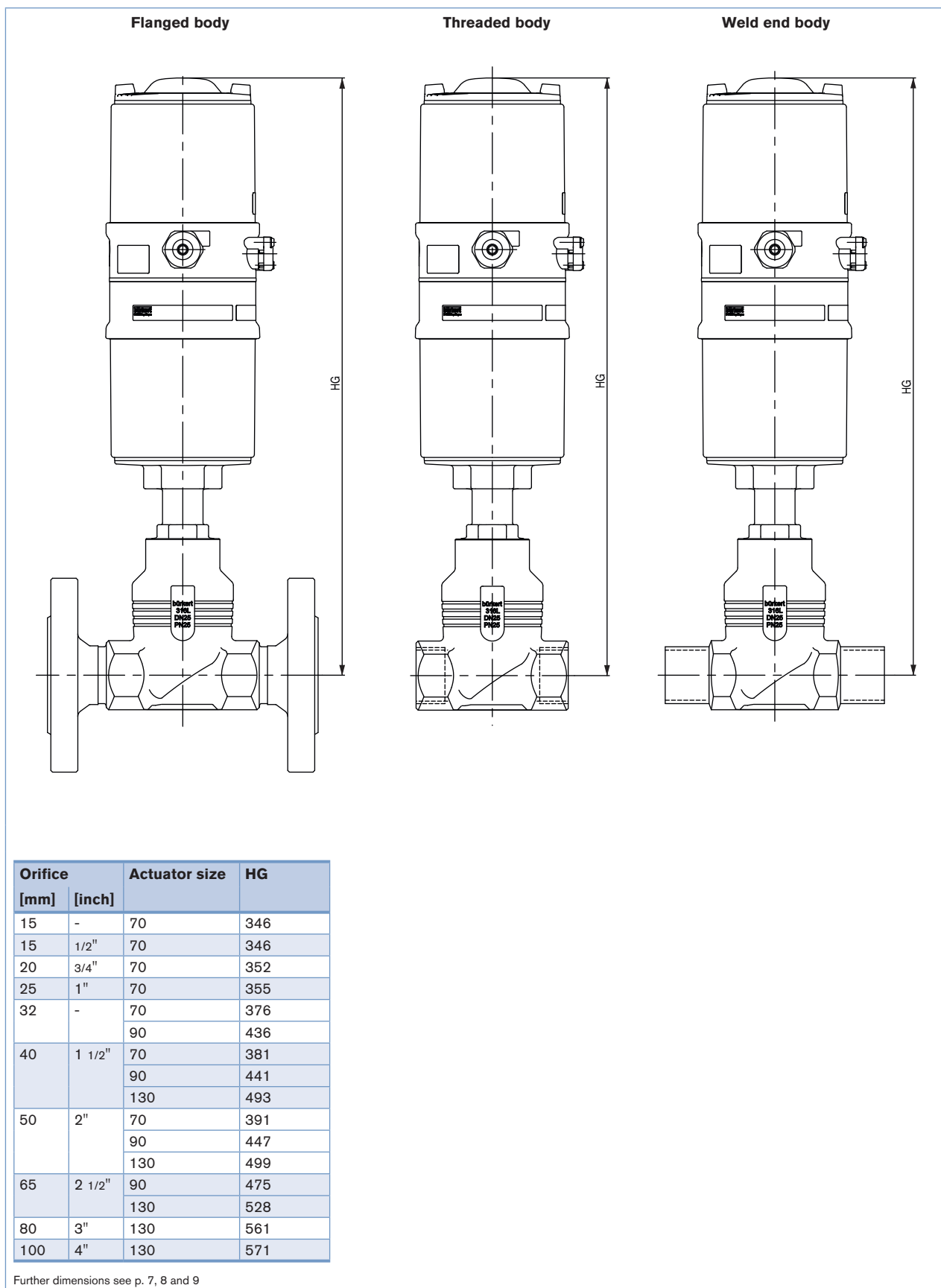
Dimensions for valve system On/Off ELEMENT Type 8801-GC [mm]

Dimensions valve system On/Off ELEMENT Type 8801-GC-K (with pneumatic control unit Type 8690) [mm]



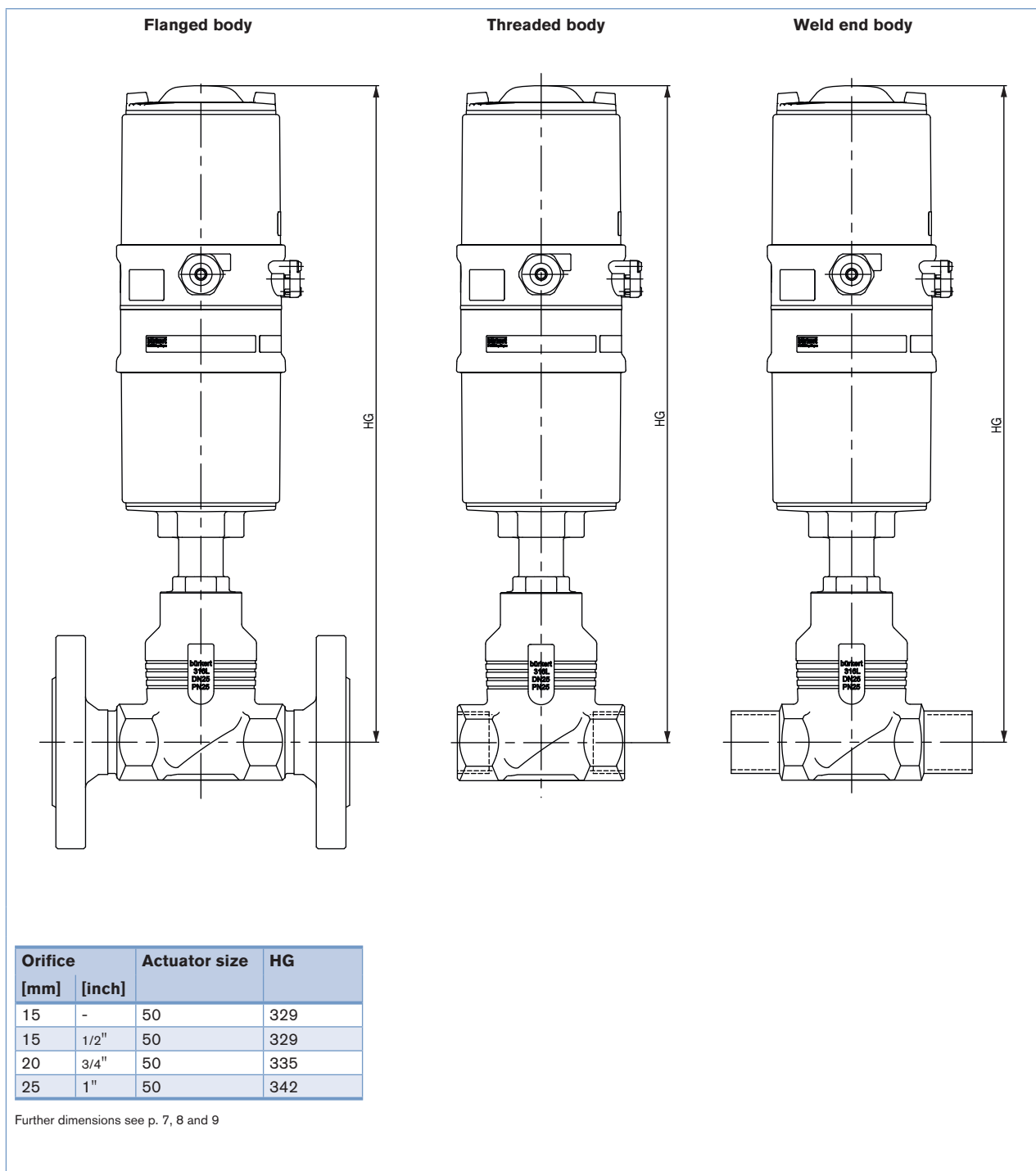
Dimensions for valve system On/Off ELEMENT Type 8801-GC [mm], *continued*

Dimensions valve system On/Off ELEMENT Type 8801-YE-H (with control head Type 8691) [mm]



Dimensions for valve system On/Off ELEMENT Type 8801-GC [mm], *continued*

Dimensions valve system On/Off ELEMENT Type 8801-YE-M (with control head Type 8695) [mm]



Note
You can fill out the fields directly in the PDF file before printing out the form.

Valve system On/Off ELEMENT Type 8801-GC – request for quotation

▶ Please fill out and send to your nearest Bürkert facility* with your inquiry or order

Company	Contact person
Customer no.	Department
Address	Tel./Fax
Postcode/town	E-Mail

= mandatory fields to fill out Quantity Required delivery date

Operating data

Pipe line DN PN

Pipe material

Process medium

Type of media Liquid Steam Gas

Valve features

Seal material PTFE NBR Other

Nominal pressure PN

Orifice DN

Type of connection Flanged Threaded Welded Clamp

Standard connection ISO DIN Other

Control function NC ¹⁾ NO ¹⁾ Double-acting

Pilot pressure min. max.

Atex II 2GD Mechanical

Please specify item no. (if known):


¹⁾ NC: normally closed by spring action; NO: normally open by spring action

Control unit features

Click on the orange box „More info.“ below... you will come to our website for the resp. product where you can download the data sheet.

For actuator sizes ø70/ø90/ø130 mm	For actuator sizes ø50 mm
<input type="checkbox"/> Pneumatic Control Unit Type 8690 <small>More info.</small> Pneumatic function <input type="checkbox"/> Single-acting <input type="checkbox"/> Double-acting <input type="checkbox"/> Without pilot valve Position feedback <input type="checkbox"/> 1x inductive <input type="checkbox"/> 2x inductive <input type="checkbox"/> 1x inductive (NAMUR) <input type="checkbox"/> 2x inductive (NAMUR) <input type="checkbox"/> 1x mechanical <input type="checkbox"/> 2x mechanical Supply voltage <input type="checkbox"/> 24V DC (ATEX Zone 2/22) <input type="checkbox"/> Ex ia IIC T6 (ATEX Zone 1) Pilot air ports <input type="checkbox"/> Push-in connector external ø 6 mm or 1/4" <input type="checkbox"/> Thread G 1/8" Please specify item no. (if known): <input type="text"/>	<input type="checkbox"/> Control Head Type 8691 <small>More info.</small> Pneumatic function <input type="checkbox"/> Single-acting <input type="checkbox"/> Double-acting Pilot air ports <input type="checkbox"/> Push-in connector external ø 6 mm or 1/4" <input type="checkbox"/> Thread G 1/8" Communication <input type="checkbox"/> ASI <input type="checkbox"/> Multipol M12 <input type="checkbox"/> Flat cable clip, 1 m cable <input type="checkbox"/> DeviceNet Please specify item no. (if known): <input type="text"/>
<input type="checkbox"/> Control Head Type 8695 <small>More info.</small> Pneumatic function <input type="checkbox"/> Single-acting <input type="checkbox"/> Double-acting Pilot air ports <input type="checkbox"/> Push-in connector external ø 6 mm or 1/4" <input type="checkbox"/> Thread G 1/8" Communication <input type="checkbox"/> ASI Please specify item no. (if known): <input type="text"/>	

Comment

* To find your nearest Bürkert office, click on the orange box → 

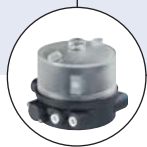
2106 ELEMENT 3/2-Wege

Pneumatically operated 3 way seat valve ELEMENT



- For mixing or distributing mediums
- Decentralized automation with control head
- Flow optimized body in stainless steel
- Long service life and maintenance-free operation
- Control Head is connected without external tubing

Type 2106 can be combined with...



Type 8690

Pneum. control unit with feedback



Type 8691

Control head



Type 8695

Control head



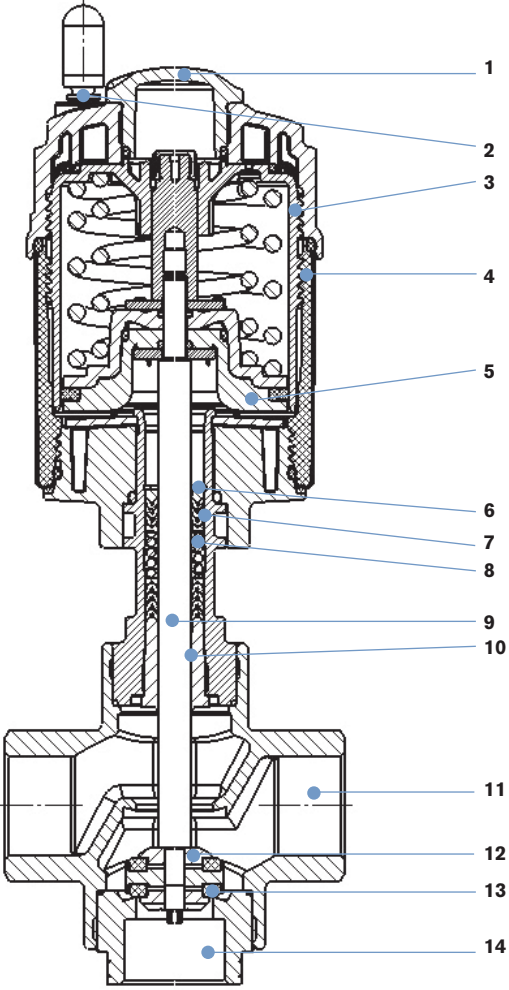
The Bürkert 3 way seat valve, Type 2106, consists of a pneumatically operated ELEMENT actuator and a 3 way stainless steel valve body. Interchanging of pressure and service ports enables different fluidic circuit functions, such as the mixing or distributing of mediums. The flow-optimized valve body of Type 2106 allows excellent flow rates. The tried and tested self-adjusting gland secures a high level of tightness and thus ensures reliable operation over years. The design of the 3 way valve, Type 2106, offers all the advantages of a modern, decentralized automation: The directly connected control head and actuator provide a compact and smooth design, integrated pneumatic lines, protection class IP65/67/ NEMA4X, and a high chemical resistance. An optionally integrated fieldbus interface through to an explosion-proof control head are further advantages of the 3 way shut-off valve. For the user, the compact Type 2106 is thus often an economical alternative to two single valves.

Technical data	
Orifice	DN15 to DN50
Port connections	G thread acc. to EN ISO 228-1 NPT acc. to ANSI B 1.20.1 (RC thread on request)
Body material	Cast stainless steel 316L
Nominal pressure	PN16 (Body)
Actuator material Actuator / Cover	PPS / Stainless steel 1.4561 (316Ti)
Sealing material	PTFE
Medium	Water, alcohol, oils, fuels, hydraulic fluids, salt solution, alkali solutions, organic solvents, steam
Viscosity	max. 600 mm ² /s
Spindle packing	PTFE V-rings with spring compensation
Medium temperature	-10 to +185°C
Ambient temperature	0 to +55°C (integrated control head) 0 to +60°C (push-in air ports)
Control medium	Neutral gases, air
Max. pilot pressure	max. 10 bar; actuator size 130 mm, 7 bar
Pilot air ports	Push-in connector for external ø 6 mm or 1/4" tube, thread G1/8 (on request)
Installation	As required, preferably with actuator in upright position

Content

Valve specifications		System spec. On/Off ELEMENT		Request for quotation	
Type 2106		Type 8801-GE		Type 8801-GE	
Technical data & ordering info.	p. 5	Technical data & ordering info.	p. 6		p. 7

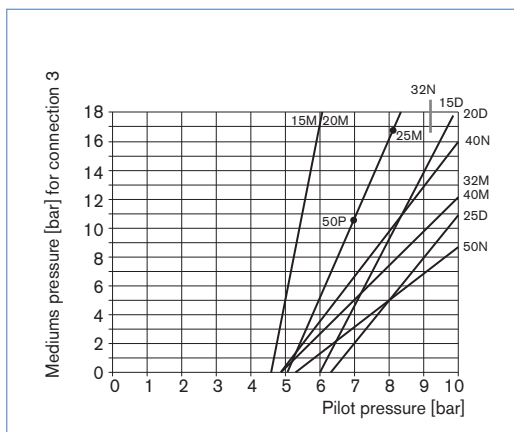
Materials



1	Transparent cap	Polysulfone PSU
2	Pilot air ports	Hose connectors PP (standard) <i>On request:</i> <i>G1/8" thread, stainless steel 1.4305</i>
3	Actuator	PPS
4	Case	Stainless steel 1.4561 (316Ti)
5	Piston seal	FKM
6	Spring	Stainless steel 1.4310
7	Tube	Stainless steel 1.4401 (316)/1.4404 (316L)
8	Spindle seal	PTFE
9	Spindle	Stainless steel 1.4401 (316)/1.4404 (316L)
10	Spindle guide	PEEK
11	Valve body	Stainless steel 1.4404 (316L)
12	Body closer	Stainless steel 1.4404 (316L)
13	Seal	PTFE
14	Seat nipple	Stainless steel 1.4404 (316L)

The lubricants for stem packing and driving are classified according to NSF H1

Pilot pressure chart



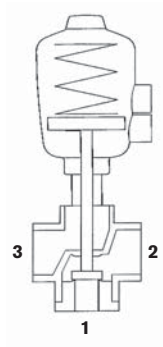
Key to actuator size D, M, N, P, see first column of table on page 4

Connections for fluidic circuit functions C, D, E and F

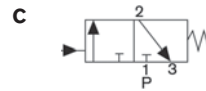
Actuator with control function A

When de-energised port connection 1 is closed with spring

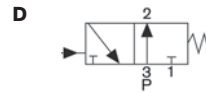
Fluidic circuit function	Connection - port		
	1	2	3
C	P	A	R
D	R	A	P
E	P1	A	P2
F	A	P	B



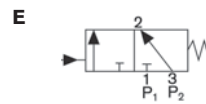
A, B service ports
P, P1, P2 pressure ports
R exhaust port



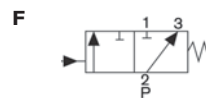
When de-energised, pressure port 1 closed, service port 2 exhausted



When de-energised, pressure port 3 connected to service port 2, exhaust port 1 closed

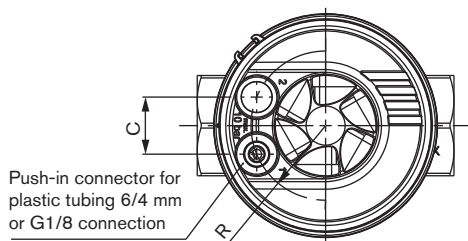
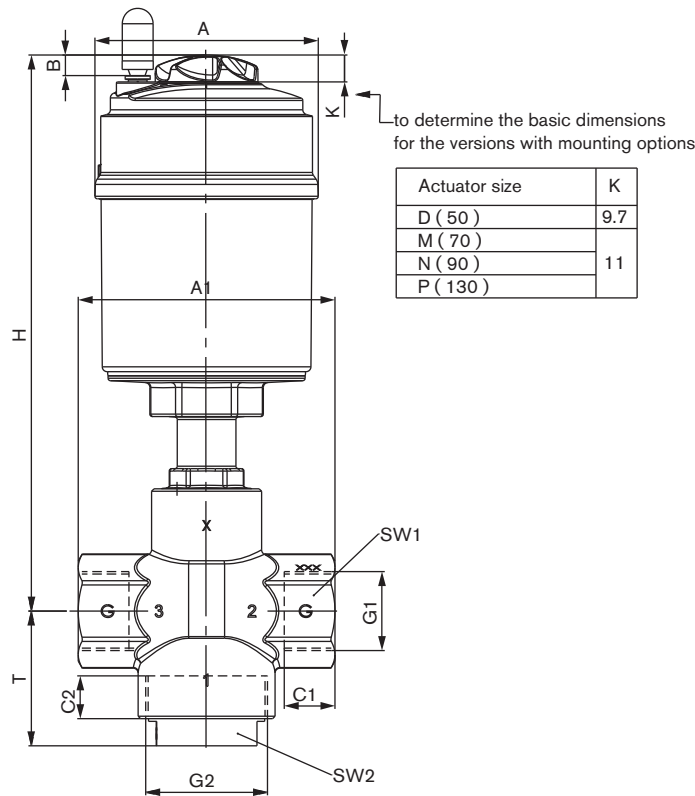


Mixer valve
When de-energised, pressure port 3 connected to service port 2, pressure port 1 closed



Distributor valve
When de-energised, pressure port 2 connected to service port 3 service port 1 closed

Dimensions [mm]



DN	Actuator size Ø	Ø A	B	C	R	H	All threaded bodies					G			NPT			RC		
							A1	T	G2	SW1	SW2	G1	C1/C2	LTA	G1	C1/C2	LTA	G1	C1/C2	LTA
15	D(50)	64.5	6.0	19.8	19.8	202.4	85	58.3	M40x1.5	32	30	G 1/2	14	GM84	NPT 1/2	13.7	NM84	RC 1/2	13.2	RC84
	M(70)	91	8.5	23.3	30.5	202.4	85	58.3	M40x1.5	32	30	G 1/2	14	GM84	NPT 1/2	13.7	NM84	RC 1/2	13.2	RC84
20	D(50)	64.5	6.0	19.8	19.8	202.4	85	58.3	M40x1.5	32	30	G 3/4	16	GM85	NPT 3/4	14.0	NM85	RC 3/4	14.5	RC85
	M(70)	91	8.5	23.3	30.5	202.4	85	58.3	M40x1.5	32	30	G 3/4	16	GM85	NPT 3/4	14.0	NM85	RC 3/4	14.5	RC85
25	D(50)	64.5	6.0	19.8	19.8	227.4	105	54.9	M50x2	41	41	G 1	18	GM86	NPT 1	16.8	NM86	RC 1	16.8	RC86
	M(70)	90	8.5	23.3	30.5	227.4	105	54.9	M50x2	41	41	G 1	18	GM86	NPT 1	16.8	NM86	RC 1	16.8	RC86
32	M(70)	91	8.5	23.3	30.5	234.7	130	67.8	M70x2	55	55	G 1 1/4	20	GM87	NPT 1 1/4	17.3	NM87	RC 1 1/4	19.1	RC87
	N(90)	120				294.4	130	78.1	M70x2	55	55	G 1 1/4	20	GM87	NPT 1 1/4	17.3	NM87	RC 1 1/4	19.1	RC87
	P(130)	159				346.7	130	68.0	M70x2	55	55	G 1 1/4	20	GM87	NPT 1 1/4	17.3	NM87	RC 1 1/4	19.1	RC87
40	M(70)	91	8.5	23.3	30.5	234.7	130	68.0	M70x2	55	55	G 1 1/2	22	GM88	NPT 1 1/2	17.3	NM88	RC 1 1/2	19.1	RC88
	N(90)	120				294.4	130	68.3	M70x2	55	55	G 1 1/2	22	GM88	NPT 1 1/2	17.3	NM88	RC 1 1/2	19.1	RC88
	P(130)	159				346.7	130	68.0	M70x2	55	55	G 1 1/2	22	GM88	NPT 1 1/2	17.3	NM88	RC 1 1/2	19.1	RC88
50	M(70)	91	8.5	23.3	30.5	245.5	150	72.0	M84x2	70	70	G 2	24	GM89	NPT 2	17.6	NM89	RC 2	23.4	RC89
	N(90)	120				310.7	150	72.0	M84x2	70	70	G 2	24	GM89	NPT 2	17.6	NM89	RC 2	23.4	RC89
	P(130)	159				353.7	150	72.0	M84x2	70	70	G 2	24	GM89	NPT 2	17.6	NM89	RC 2	23.4	RC89

Ordering chart Type 2106, flow direction below the seat (for gases and liquids)

G thread acc. to EN ISO 228-1

Control function	Port connection	Orifice [mm]	Actuator size Ø [mm]	Kv value water [m³/h]		Min. pilot pressure [bar]	Max. operating pressure to 180°C [bar]		Weight [kg]	Item no. PA actuator
				1 → 2	2 → 3		1 → 2	2 → 3 2 → 1		
A 3/2 way, normally closed (NC) (port 1)	G 1/2	15	50	7	4.5	5.5	16	16	1.5	282 698
			70	7	4.5	4.5	16	16	2.2	282 701
	G 3/4	20	50	9	6.2	5.5	16	16	1.4	282 702
			70	9	6.2	4.5	16	16	2.1	282 704
	G 1	25	50	17	11	5.5	9	11	1.9	282 705
			70	17	11	4.5	16	16	2.6	282 706
	G 1 1/4	32	70	32	21	4.5	8	11	3.9	282 707
			90	32	21	5.1	11	16	5.4	282 709
	G 1 1/2	40	70	35	24	4.5	7	11	3.7	282 711
			90	35	24	5.1	12	16	5.2	282 712
	G 2	50	90	51	35	5.1	9	8	7.3	282 715
			130	51	35	4.9	16	16	10.4	282 716

NPT thread acc. to ANSI B 1.20.1

Control function	Port connection	Orifice [mm]	Actuator size Ø [mm]	Kv value water [m³/h]		Min. pilot pressure [bar]	Max. operating pressure to 180°C [bar]		Weight [kg]	Item no. PA actuator
				1 → 2	2 → 3		1 → 2	2 → 3 2 → 1		
A 3/2 way, normally closed (NC) (port 1)	NPT 1/2	15	50	7	4.5	5.5	16	16	1.5	292 478
			70	7	4.5	4.5	16	16	2.2	292 531
	NPT 3/4	20	50	9	6.2	5.5	16	16	1.4	292 532
			70	9	6.2	4.5	16	16	2.1	292 533
	NPT 1	25	50	17	11	5.5	9	11	1.9	292 534
			70	17	11	4.5	16	16	2.6	292 535
	NPT 1 1/4	32	70	32	21	4.5	8	11	3.9	292 536
			90	32	21	5.1	11	16	5.4	292 537
	NPT 1 1/2	40	70	35	24	4.5	7	11	3.7	292 538
			90	35	24	5.1	12	16	5.2	292 539
	NPT 2	50	90	51	35	5.1	9	8	7.3	292 540
			130	51	35	4.9	16	16	10.4	292 541

i Further versions on request

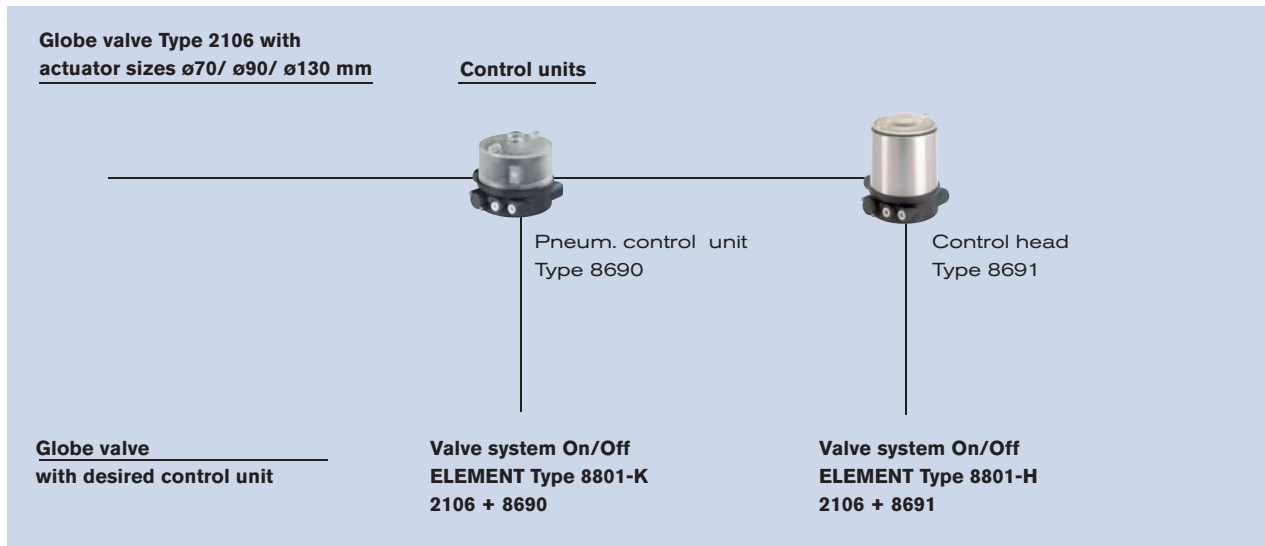
 Port connection
NPT thread, RC thread

Ordering information for valve system On/Off ELEMENT Type 8801

A valve system On/Off ELEMENT Type 8801-GC consists of an **Globe valve Type 2106** and a pneumatic control unit **Type 8690**, control head **Type 8691** (for valve actuator sizes $\varnothing 70/\varnothing 90/\varnothing 130\text{mm}$) or control head **Type 8695** (for valve actuator size $\varnothing 50\text{ mm}$) (see separate data sheets). For the configuration of further valve systems please use the "Request for quotation" on p. 7 [go to page](#)

You order two components and receive a complete assembled and certified valve.

Ordering the valve system On/Off ELEMENT Type 8801 with valve actuator sizes $\varnothing 70/\varnothing 90/\varnothing 130\text{mm}$



Click on the orange box "More info." below... you will come to our website for the resp. product where you can download the data sheet.

Pneumatic control unit Type 8690

More info.

The new generation of integrated controllers for combination with actuators from the process valve series Type 21xx is specially designed for the requirements of hygienic process environments. The pneumatic control unit Type 8690 combines electrical position feedback and pneumatic control for single or double-acting actuators, and is also optionally available as an intrinsically safe model to ATEX.

Main customer benefits:

- Compact design of the valve system with integrated controller meets the demands for plant washdown environments through the selection of materials, external seals and integrated control air supply to the actuator.
- Integrated pilot valve with manual actuation
- Air intake filter enhances the process valve system availability
- Simple and reliable actuator adaptations allowing additional actuators of the process valve series, Type 20xx or actuators from other manufacturers to be used

Control head Type 8691

More info.

The new generation of integrated control heads for combination with actuators from the process valve series Type 21xx is specially designed for the requirements of hygienic process environments. The intelligent control head, Type 8691, detects the valve position by means of a contact-free analog position sensor circumventing excessive wear of mechanical parts. Single or double-acting actuators are controlled via the integral pilot valve. Communication interfaces AS-Interface and DeviceNet are available as options.

Main customer benefits:

- Compact, hygienic design of the valve system with integrated controller meets the demands of plant washdown environments through the selection of materials, external seals and integrated control air supply to the actuator.
- Automatic setting of the control head at the push of a button
- Even under dirty or dark environments, a clearly visible status display due to powerful LEDs
- Monitoring and diagnosis: Process valve systems with field bus interface used in modern plant processes
- Integrated pilot valve with manual actuation
- Air intake filter enhances the process valve system availability
- Simple and reliable actuator adaptations allowing additional actuators of the process valve series, Type 20xx or actuators from other manufacturers to be used

Note
You can fill out the fields directly in the PDF file before printing out the form.

Valve system On/Off ELEMENT Type 8801-GE – request for quotation

▶ Please fill out and send to your nearest Bürkert facility* with your inquiry or order

Company	Contact person
Customer no.	Department
Address	Tel./Fax
Postcode/town	E-Mail

= mandatory fields to fill out Quantity Required delivery date

Operating data

Pipe line DN PN

Process medium

Type of media Liquid Steam Gas

Valve features

Seal material PTFE Other

Nominal pressure PN

Orifice DN

Thread version ISO 228 NPT RC

Pilot pressure min. max.

Atex II 2GD Mechanical

Please specify item no. (if known):

Control unit features

Click on the orange box „More info.“ below... you will come to our website for the resp. product where you can download the data sheet.

For actuator sizes ø70/ø90/ø130 mm

Pneumatic Control Unit Type 8690

Pneumatic function

Single-acting Double-acting

Without pilot valve

Position feedback

1x inductive 2x inductive

1x inductive (NAMUR) 2x inductive (NAMUR)

1x mechanical 2x mechanical

Supply voltage

24V DC (ATEX Zone 2/22)

Ex ia IIC T6 (ATEX Zone 1)

Pilot air ports

Push-in connector external ø 6 mm or 1/4"

Thread G 1/8"

Please specify item no. (if known):

Control Head Type 8691

Pneumatic function

Single-acting Double-acting

Pilot air ports

Push-in connector external ø 6 mm or 1/4"

Thread G 1/8"

Communication

ASI

Multipol M12

Flat cable clip, 1 m cable

DeviceNet

Please specify item no. (if known):

For actuator sizes ø50 mm

Control Head Type 8695

Pneumatic function

Single-acting Double-acting

Pilot air ports

Push-in connector external ø 6 mm or 1/4"

Thread G 1/8"

Communication

ASI

Please specify item no. (if known):

Comment

* To find your nearest Bürkert office, click on the orange box →

Classic On/Off Valve Systems – overview



**Angle-seat valve
On/Off Classic system
Type 8801/8803-YA**



**Globe valve
On/Off Classic system
Type 8801/8803-GA**



**Diaphragm valve
On/Off Classic system
Type 8801/8803-DB**



**T valve
On/Off Classic system
Type 8801/8803-TA**



**Tank bottom valve
On/Off Classic system
Type 8801/8803-DG**

The design of the System Type 8801 On/Off Classic enables the easy integration of automation modules whether they are electrical/optical position feedback, pneumatic control units, an optional integrated fieldbus interface or even an explosion proof control head.



The fully integrated system with valve and automation system has a compact and smooth design and IP65/67/NEMA4X protection class.

Technical data

Please see individual datasheets

Content

	Type 8801/8803-YA Type 2000 + 8690/8691/1062	
	Ordering info.	p. 2
	Type 8801/8803-GA Type 2012 + 8690/8691/1062	
	Ordering info.	p. 3
	Type 8801/8803-DB Type 2031 + 8690/8691/1062	
	Ordering info.	p. 4

	Type 8801/8803-TA Type 2032 + 8690/8691/1062	
	Ordering info.	p. 5
	Type 8801/8803-DG Type 2033 + 8690/8691/1062	
	Ordering info.	p. 6

Ordering information for valve system On/Off Classic Type 8801-YA/8803-YA

A valve system On/Off Classic Type 8801-YA/8803-YA consists of an angle-seat valve Type 2000 and a valve actuation system control head Type 8691, a pneumatic control unit Type 8690 or an electrical position feedback Type 1062 (see separate datasheets).

You order two components and receive a complete assembled and certified valve.

Click on the orange box "More info." below... you will come to our website for the resp. product where you can download the datasheet.

Ordering the valve system On/Off Classic Type 8801-YA/8803-YA

Angle-seat valve Type 2000



More info.

Control unit



More info.

Control head
Type 8691



DeviceNet™



More info.

Pneum. control unit
Type 8690



More info.

Electrical
position
feedback
Type 1062

**Angle-seat valve with
desired control unit**



**Valve system
On/Off Classic
Type 8801-YA-H
2000 + 8691**



**Valve system
On/Off Classic
Type 8801-YA-K
2000 + 8690**



**Valve system
On/Off Classic
Type 8803-YA
2000 + 1062**

For the configuration of further valve systems please use the "Request for quotation" in the datasheet 2000_8801/8803-YA, welded, threaded or clamp version

Ordering information for valve system On/Off Classic Type 8801-GA/8803-GA

A valve system On/Off Classic Type 8801-GA/8803-GA consists of an globe valve Type 2012 and a valve actuation system control head Type 8691, a pneumatic control unit Type 8690 or an electrical position feedback Type 1062 (see separate datasheets).

You order two components and receive a complete assembled and certified valve.

Click on the orange box "More info." below... you will come to our website for the resp. product where you can download the datasheet.

Ordering the valve system On/Off Classic Type 8801-GA/8803-GA

Globe valve Type 2012



More info.

Control units



More info.

Control head
Type 8691



DeviceNet™



More info.

Pneum. control unit
Type 8690



More info.

Electrical
position
feedback
Type 1062

8691

**Globe valve with
desired control unit**



**Valve system
On/Off Classic
Type 8801-GA-H
2012 + 8691**



**Valve system
On/Off Classic
Type 8801-GA-K
2012 + 8690**



**Valve system
On/Off Classic
Type 8803-GA
2012 + 1062**

For the configuration of further valve systems please use the "Request for quotation" in the datasheet 2012_8801/8803-GA

Bestell-Hinweis für Ventilsystem On/Off Classic Typ 8801-DB/8803-DB

A valve system On/Off Classic Type 8801-DB/8803-DB consists of a diaphragm valve Type 2031 and a valve actuation system control head Type 8691, a pneumatic control unit Type 8690 or an electrical position feedback Type 1062 (see separate datasheets).

You order two components and receive a complete assembled and certified valve.

Click on the orange box "More info." below... you will come to our website for the resp. product where you can download the datasheet.

Ordering the valve system On/Off Classic Type 8801-DB/8803-DB

**Diaphragm valve Type 2031
forged, cast or GP**



More info.

Control units



More info.

Control head
Type 8691



DeviceNet™



More info.

Pneum. control unit
Type 8690



More info.

Electrical
position
feedback
Type 1062

**Diaphragm valve with
desired control unit**



**Valve system
On/Off Classic
Type 8801-DB-H
2031 + 8691**



**Valve system
On/Off Classic
Type 8801-DB-K
2031 + 8690**



**Valve system
On/Off Classic
Type 8803-DB
2031 + 1062**

For the configuration of further valve systems please use the "Request for quotation" in the datasheet 2031_8801/8803-DB forged, cast or GP

Bestell-Hinweis für Ventilsystem On/Off Classic Typ 8801-TA/8803-TA

A valve system On/Off Classic Type 8801-TA/8803-TA consists of a T valve Type 2032 and a valve actuation system control head Type 8691, a pneumatic control unit Type 8690 or an electrical position feedback Type 1062 (see separate datasheets).

You order two components and receive a complete assembled and certified valve.

Click on the orange box "More info." below... you will come to our website for the resp. product where you can download the datasheet.

Ordering the valve system On/Off Classic Type 8801-TA/8803-TA

T valve Type 2032



More info.

Control units



More info.

Control head
Type 8691



DeviceNet™



More info.

Pneum. control unit
Type 8690



More info.

Electrical
position
feedback
Type 1062

**T valve with
desired control unit**



**Valve system
On/Off Classic
Type 8801-TA-H
2032 + 8691**



**Valve system
On/Off Classic
Type 8801-TA-K
2032 + 8690**



**Valve system
On/Off Classic
Type 8803-TA
2032 + 1062**

For the configuration of further valve systems please use the "Request for quotation" in the datasheet 2032_8801/8803-TA











Ordering information for valve system On/Off Classic Type 8801-DG/8803-DG

A valve system On/Off Classic Type 8801-DG/8803-DG consists of a tank bottom valve Type 2033 and a valve actuation system control head Type 8691, a pneumatic control unit Type 8690 or an electrical position feedback Type 1062 (see separate datasheets).

You order two components and receive a complete assembled and certified valve.

Click on the orange box "More info." below... you will come to our website for the resp. product where you can download the datasheet.

Ordering the valve system On/Off Classic Type 8801-DG/8803-DG

<u>Tank bottom valve Type 2033</u>	<u>Control units</u>		
 More info.	 More info.	 More info.	 More info.
	Control head Type 8691  DeviceNet™ 	Pneum. control unit Type 8690 	Electrical position feedback Type 1062
<u>Tank bottom valve with desired control unit</u>			
			
Valve system On/Off Classic Type 8801-DG-H 2033 + 8391	Valve system On/Off Classic Type 8801-DG-K 2033 + 8690	Valve system On/Off Classic Type 8803-DG 2033 + 1062	
For the configuration of further valve systems please use the "Request for quotation" in the datasheet 2033_8801/8803-DG			

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