



2/2-way-Globe Valve with stainless steel design for media up to +185°C, DN 13-50

- 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 barg

Type 2101 can be combined with...



Type 8690

Pneum. control unit with feedback



Type 8691

Control Head



Type 8695

Control Head



Typ 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 or even an explosion proof feedback.

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

| Technical data | |
|--|--|
| Orifice | DN 15 to 50 |
| Port connection Flange connection acc. to Welded and threaded ports | DIN EN 1092-1, ANSI B 16.5, JIS 10K on request |
| Body materials | Cast stainless steel 316L |
| Actuator material Actuator Cover | PPS Stainless steel 1.4561 (316Ti) |
| Seal material | PTFE |
| Medium | Water, alcohol, oils, fuel, hydraulic fluids, salt solution, alkali solutions, organic solvents, steam |
| Viscosity | max. 600 mm ² /s |
| Spindle packing | PTFE V-seals with spring compensation |
| Medium temperature | -10 to +185 °C |
| Ambient temperature | 0 to +55 °C (with integrated control head) 0 to +60 °C (push-in air ports) 0 to +100 °C (threaded air ports) |
| Control medium | Neutral gases, air |
| Max. pilot pressure | max. 10 bar, 7 bar with actuator size 130 mm |
| Pilot air ports | Push-in connector for external ø 6 mm or 1/4" tube, Thread G 1/8 (on request) |
| Installation | As required, preferably with actuator upright |

Content



Valve specifications

Type 2101

Technical data & ordering info.

p. 1-8



System specifications On/Off ELEMENT

Type 8801-GC

Technical data & ordering info.

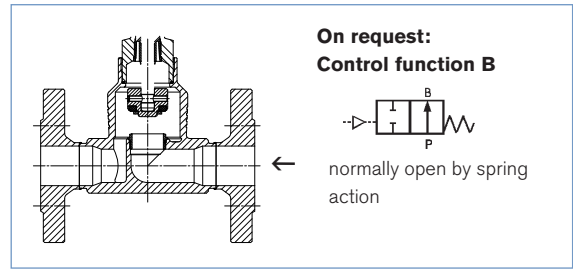
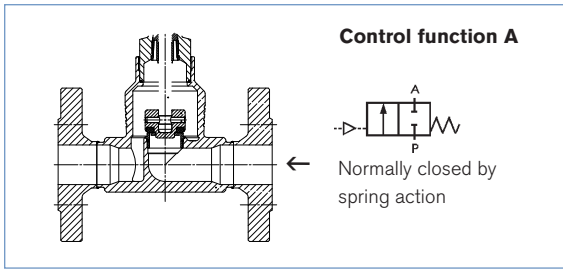
p. 9-16

Request for quotation

Type 8801-GC

p. 17

Technical data Type 2101 Globe Valve, flow direction below seat (for gas and liquid)



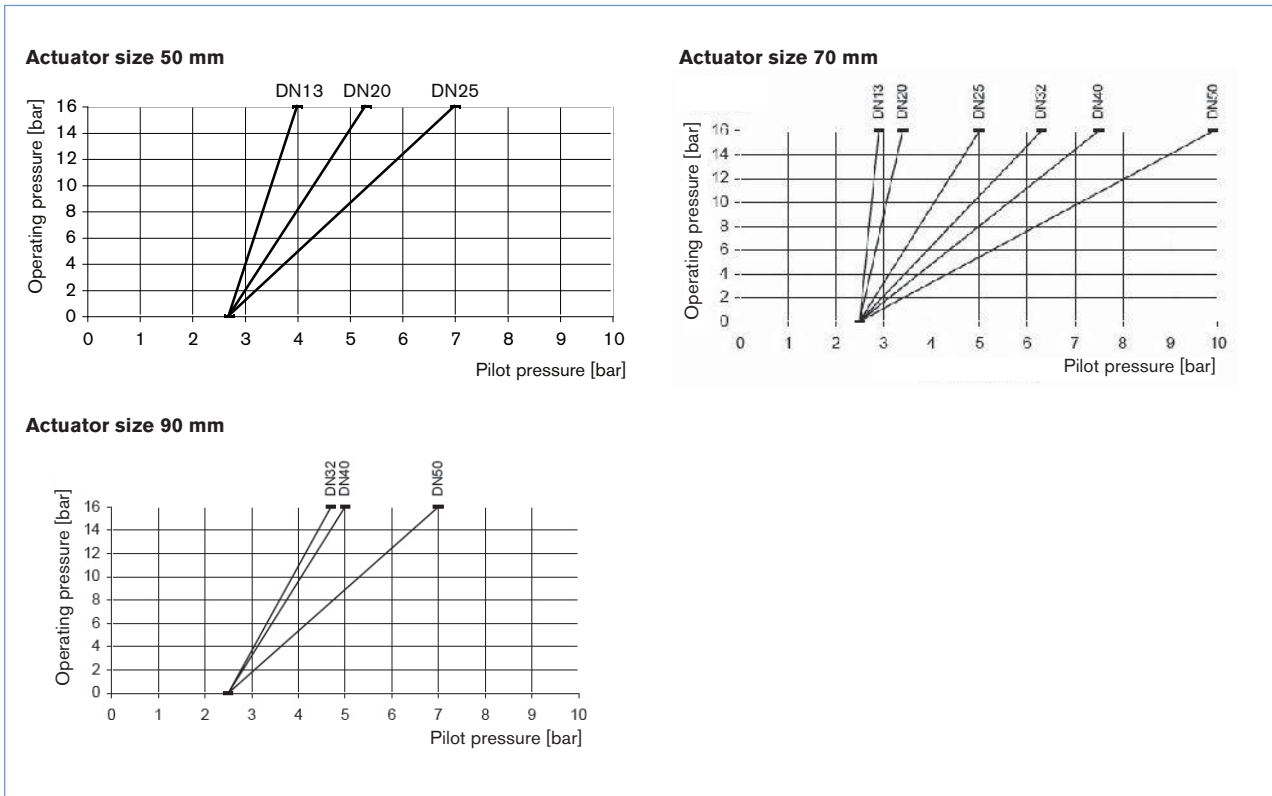
| Orifice [mm] | Actuator size [mm] | Kv value water (m³/h) | Minimum pilot pressure CFA [bar] | Max. operating pressure to +185°C | |
|--------------|--------------------|-----------------------|----------------------------------|-----------------------------------|-----------------------|
| | | | | 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 | 13 | 16 |
| | 70 | 8.1 | 4.8 | 20 | 16 |
| 25 | 50 | 13 | 4.8 | 6 | 16 |
| | 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 | – |

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

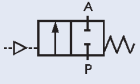
On request control function B:

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



Ordering chart Type 2101 Globe Valve, flow direction below seat (for gases and liquid)

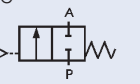
Flange connection acc. to DIN EN 1092-1, flow direction below seat

| Control function | Orifice (mm) | Actuator size Ø (mm) | Minimum pilot pressure (bar) | Operating pressure to +185°C (bar) | Item no. |
|---|--------------|----------------------|------------------------------|------------------------------------|----------|
| A 2/2-way-valve, NC  | 15 | 50 | 4.8 | 25 | 203 076 |
| | 20 | 50 | 4.8 | 13 | 203 077 |
| | 20 | 70 | 4.8 | 20 | 203 078 |
| | 25 | 50 | 4.8 | 6 | 203 079 |
| | 25 | 70 | 4.8 | 16 | 189 700 |
| | 32 | 70 | 4.8 | 8.5 | 203 080 |
| | 32 | 90 | 5.0 | 16 | 203 081 |
| | 40 | 70 | 4.8 | 6 | 203 082 |
| | 40 | 90 | 5.0 | 16 | 203 083 |
| | 50 | 90 | 5.0 | 10 | 203 084 |
| | | 130 | 5,0 | 16 | 218 418 |


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

| Control function | Orifice (mm) | Actuator size Ø (mm) | Minimum pilot pressure (bar) | Operating pressure to +185°C (bar) | Item no. |
|---|--------------|----------------------|------------------------------|------------------------------------|----------|
| A 2/2-way-valve, NC  | 15 | 50 | 4.8 | 25 | 203 095 |
| | 20 | 50 | 4.8 | 13 | 203 096 |
| | 20 | 70 | 4.8 | 20 | 203 097 |
| | 25 | 50 | 4.8 | 6 | 203 098 |
| | 25 | 70 | 4.8 | 16 | 203 099 |
| | 40 | 70 | 4.8 | 6 | 203 100 |
| | 40 | 90 | 5.0 | 16 | 203 101 |
| | 50 | 90 | 5.0 | 10 | 203 102 |
| | | 130 | 5,0 | 16 | 218 419 |

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

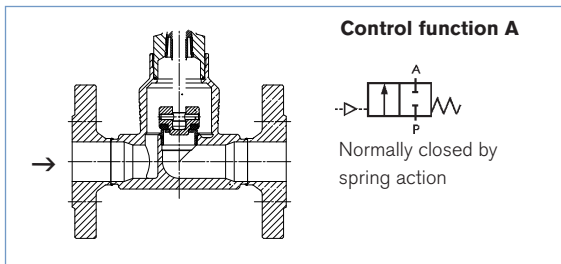
| Control function | Orifice (mm) | Actuator size Ø (mm) | Minimum pilot pressure (bar) | Operating pressure to +185°C (bar) | Item no. |
|---|--------------|----------------------|------------------------------|------------------------------------|----------|
| A 2/2-way-valve, NC  | 15 | 50 | 4.8 | 25 | 203 111 |
| | 20 | 50 | 4.8 | 13 | 203 112 |
| | 20 | 70 | 4.8 | 20 | 203 113 |
| | 25 | 50 | 4.8 | 6 | 203 114 |
| | 25 | 70 | 4.8 | 16 | 203 115 |
| | 40 | 70 | 4.8 | 6 | 203 118 |
| | 40 | 90 | 5.0 | 16 | 203 121 |
| | 50 | 90 | 5.0 | 10 | 203 122 |
| | | 130 | 5,0 | 16 | 218 471 |

Further versions on request

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

 **Port connection**
 Welded and threaded ports

Technical data Type 2101 Globe Valve, flow direction above the seat (for gases and steam)



Attention!

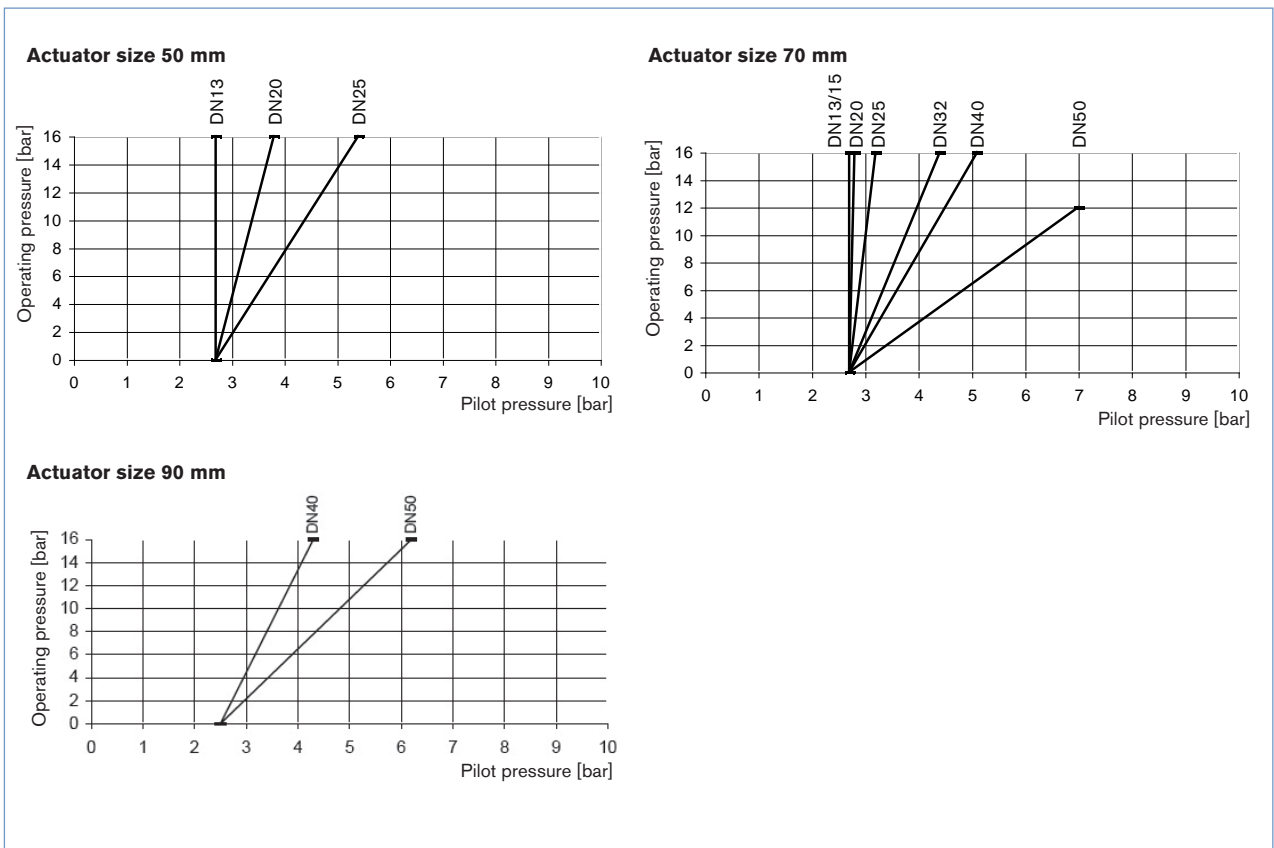
Valves with flow direction above the seat are only conditionally usable for liquid media. There is a danger of waterhammer!

| Orifice [mm] | Actuator size [mm] | Kv value water (m ³ /h) | Max. operating pressure 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.

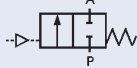
Pressure valves [bar]: Overpressure to the atmospheric pressure

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

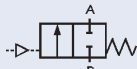


Ordering chart Type 2101 Globe Valve, flow direction above the seat (for gases and steam)

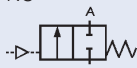
Flange connection acc. to DIN EN 1092-1, flow direction above the seat

| Control function | Orifice (mm) | Actuator size Ø (mm) | Minimum pilot pressure (bar) | Operating pressure to +185°C (bar) | Item no. |
|--|--------------|----------------------|------------------------------|------------------------------------|----------|
| A 2/2-way-valve, NC  | 15 | 50 | see charts on page 4 | 16 | 203 086 |
| | 20 | 50 | | 16 | 203 087 |
| | 25 | 50 | | 16 | 203 088 |
| | 32 | 70 | | 16 | 203 091 |
| | 40 | 70 | | 16 | 203 092 |
| | 50 | 70 | | 12 | 204 973 |
| | 50 | 90 | | 16 | 203 094 |


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


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

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

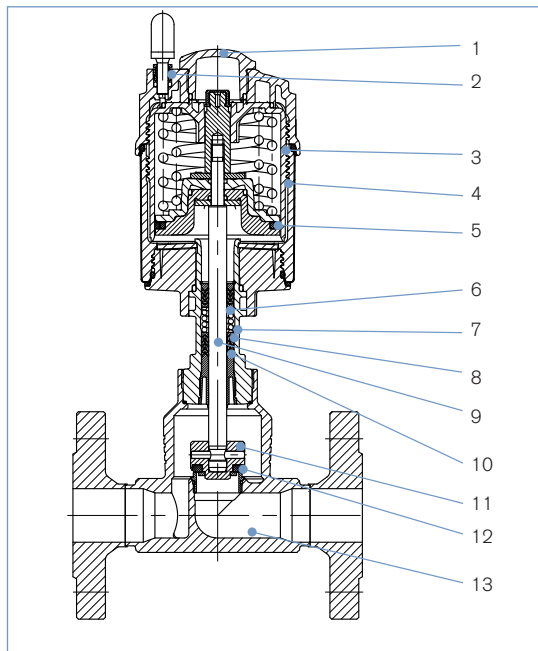
| Control function | Orifice (mm) | Actuator size Ø (mm) | Minimum pilot pressure (bar) | Operating pressure to +185°C (bar) | Item no. |
|--|--------------|----------------------|------------------------------|------------------------------------|----------|
| A 2/2-way-valve, NC  | 15 | 50 | see charts on page 4 | 16 | 203 123 |
| | 20 | 50 | | 16 | 203 124 |
| | 25 | 50 | | 16 | 203 125 |
| | 40 | 70 | | 16 | 203 127 |
| | 50 | 70 | | 12 | 204 975 |
| | 50 | 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 Type 2101 Globe Valve

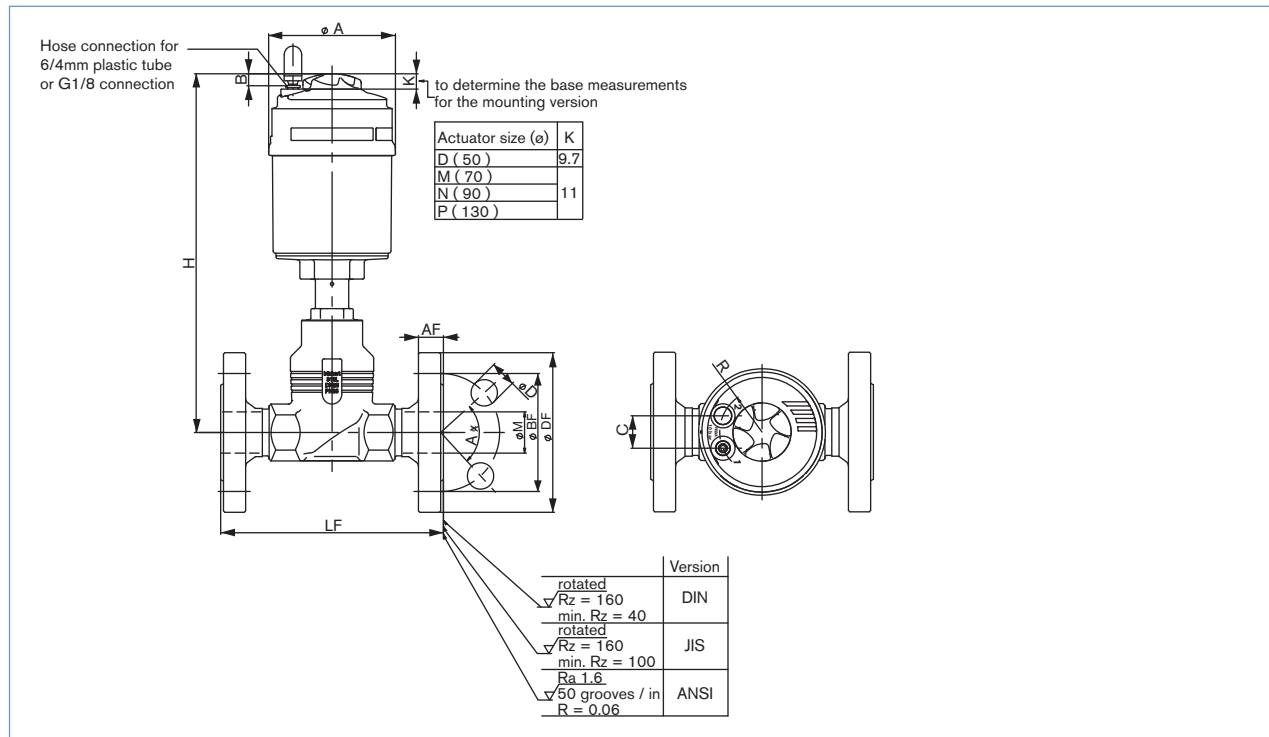


| | |
|------------------------------------|---|
| 1 Visual position indicator | Transparent cap polysulphone PSU |
| 2 Pilot air ports | Push-in connector PP (standard) <i>On request:</i> Thread G 1/8" stainless steel 1.4305 |
| 3 Actuator | PPS |
| 4 Cover | Stainless steel 1.4561 (316Ti) |
| 5 Piston seal | FKM |
| 6 Spring | Stainless steel 1.4310 |
| 7 Tube | Stainless steel 1.4401 (316) / 1.4404 (316L) |
| 8 Spindle packing | PTFE |
| 9 Spindle | Stainless steel 1.4401 (316) / 1.4404 (316L) |
| 10 Wiper | PEEK |
| 11 Swivel plate | Stainless steel 1.4401 (316) / 1.4404 (316L) |
| 12 Seal | PTFE |
| 13 Valve body | Cast stainless steel 316L |

Lubricants for spindle packing and actuator are classified according NSF H1

Dimensions Type 2101 Globe Valve [mm]

Flanged body

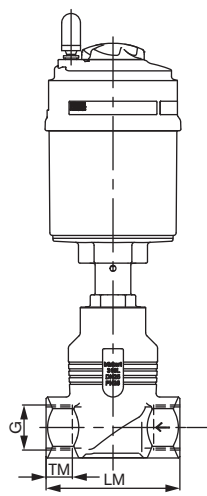


| All bodies | | | | | | | Flange body DIN 2634 Length acc. to DIN 3202 resp. DIN EN 558-1 | | | | | | Flange body JIS 10K B 2338 ordinary type flanges FTF JIS B2002 Series 20 length acc. to DIN EN 558-2 FTF basic range 10 | | | | | | | | |
|--------------|--------------------|------|-----|------|------|-----|---|-----|-----|----|----|-------|---|-----|-----|-----|----|----|-------|------|---|
| Orifice [mm] | Actuator size [mm] | Ø A | B | C | R | H | ØDF | LF | ØBF | AF | ØD | Axα | ØM | ØDF | LF | ØBF | AF | ØD | Axα | ØM | |
| 10 | D (50) | 64.5 | 6 | 19.8 | 19.8 | 236 | 90 | 130 | 60 | 16 | 14 | 4x90° | 13.6 | - | - | - | - | - | - | - | - |
| | M (70) | 91 | 8.5 | 23.3 | 30.5 | 250 | | | | | | | | | | | | | | | |
| 15 | D (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 | |
| | M (70) | 91 | 8.5 | 23.3 | 30.5 | 250 | | | | | | | | | | | | | | | |
| 20 | D (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 | |
| | M (70) | 91 | 8.5 | 23.3 | 30.5 | 256 | | | | | | | | | | | | | | | |
| 25 | D (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 | |
| | M (70) | 91 | 8.5 | 23.3 | 30.5 | 259 | | | | | | | | | | | | | | | |
| 32 | M (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 | |
| | N (90) | 120 | 8.5 | 23.3 | 30.5 | 340 | | | | | | | | | | | | | | | |
| 40 | M (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 | |
| | N (90) | 120 | 8.5 | 23.3 | 30.5 | 345 | | | | | | | | | | | | | | | |
| | P (130) | 159 | 8.5 | 23.3 | 30.5 | 397 | | | | | | | | | | | | | | | |
| 50 | M (70) | 91 | 8.5 | 23.3 | 30.5 | 295 | 165 | 230 | 125 | 20 | 18 | 4x90° | 56.3 | 155 | 203 | 120 | 16 | 19 | 4x90° | 56.3 | |
| | N (90) | 120 | 8.5 | 23.3 | 30.5 | 351 | | | | | | | | | | | | | | | |
| | P (130) | 159 | 8.5 | 23.3 | 30.5 | 403 | | | | | | | | | | | | | | | |
| 65 | N (90) | 120 | 8.5 | 23.3 | 30.5 | 379 | 185 | 290 | 145 | 22 | 18 | 8x45° | 66 | 175 | 216 | 140 | 18 | 19 | 4x90° | 72 | |
| | P (130) | 159 | 8.5 | 23.3 | 30.5 | 432 | | | | | | | | | | | | | | | |

| All bodies | | | | | | | ANSI B16.5 Class 150 FTF ISA S75.03 RF Length acc. to DIN EN 558-2 FTF basic range 37 | | | | | | |
|----------------|--------------------|------|-----|------|------|-----|--|-----|-------|------|------|-------|------|
| Orifice [inch] | Actuator size [mm] | Ø A | B | C | R | H | ØDF | LF | ØBF | AF | ØD | Axα | ØM |
| 1/2" | D (50) | 64.5 | 6 | 19.8 | 19.8 | 236 | 89 | 184 | 60.5 | 11.2 | 15.7 | 4x90° | 15.7 |
| | M (70) | 91 | 8.5 | 23.3 | 30.5 | 250 | | | | | | | |
| 3/4" | D (50) | 64.5 | 6 | 19.8 | 19.8 | 242 | 99 | 184 | 69.9 | 12.7 | 15.7 | 4x90° | 20.8 |
| | M (70) | 91 | 8.5 | 23.3 | 30.5 | 256 | | | | | | | |
| 1" | D (50) | 64.5 | 6 | 19.8 | 19.8 | 245 | 108 | 184 | 79.2 | 14.2 | 15.7 | 4x90° | 26.7 |
| | M (70) | 91 | 8.5 | 23.3 | 30.5 | 259 | | | | | | | |
| 1 1/2" | M (70) | 91 | 8.5 | 23.3 | 30.5 | 285 | 127 | 222 | 98.6 | 17.5 | 15.7 | 4x90° | 40.9 |
| | N (90) | 120 | 8.5 | 23.3 | 30.5 | 345 | | | | | | | |
| | P (130) | 159 | 8.5 | 23.3 | 30.5 | 397 | | | | | | | |
| 2" | M (70) | 91 | 8.5 | 23.3 | 30.5 | 295 | 152 | 254 | 120.7 | 19.1 | 19.1 | 4x90° | 52.6 |
| | N (90) | 120 | 8.5 | 23.3 | 30.5 | 351 | | | | | | | |
| | P (130) | 159 | 8.5 | 23.3 | 30.5 | 403 | | | | | | | |
| 2 1/2" | N (90) | 120 | 8.5 | 23.3 | 30.5 | 379 | 178 | 276 | 139.7 | 22.3 | 19.1 | 4x90° | 63 |
| | P (130) | 159 | 8.5 | 23.3 | 30.5 | 432 | | | | | | | |

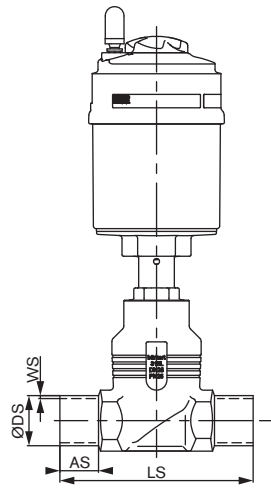
Dimensions Type 2101 Globe Valve [mm], continued

Threaded port



| Orifice [mm] | LM | G | | NPT | | Rc | |
|--------------|-----|---------|----|-------|------|-------|------|
| | | G | TM | G | TM | G | TM |
| 10 | 65 | G 3/8 | 12 | 3/8 | 10.3 | 3/8 | 10.1 |
| 15 | 65 | G 1/2 | 14 | 1/2 | 13.7 | 1/2 | 13.2 |
| 20 | 75 | G 3/4 | 16 | 3/4 | 14 | 3/4 | 14.5 |
| 25 | 90 | G 1 | 18 | 1 | 16.8 | 1 | 16.8 |
| 32 | 110 | G 1 1/4 | 20 | 1 1/4 | 17.3 | 1 1/4 | 19.1 |
| 40 | 120 | G 1 1/2 | 22 | 1 1/2 | 17.3 | 1 1/2 | 19.1 |
| 50 | 150 | G 2 | 24 | 2 | 17.6 | 2 | 23.4 |
| 65 | 185 | G 2 1/2 | 26 | 2 1/2 | 23.7 | 2 1/2 | 26.7 |

Weld end body



| Orifice [mm] | LM | AS | LS | ØDS | WS | ØDS | WS |
|--------------|-----|----|-----|------|-----|-----|-----|
| 10 | 65 | 20 | 90 | 17.2 | 1.6 | 13 | 1.5 |
| 15 | 65 | 20 | 90 | 21.3 | 1.6 | 19 | 1.5 |
| 20 | 75 | 20 | 100 | 26.9 | 1.6 | 23 | 1.5 |
| 25 | 90 | 26 | 130 | 33.7 | 2.0 | 29 | 1.5 |
| 32 | 110 | 26 | 140 | 42.4 | 2.0 | 35 | 1.5 |
| 40 | 120 | 26 | 150 | 48.3 | 2.0 | 41 | 1.5 |
| 50 | 150 | 26 | 175 | 60.3 | 2.0 | 53 | 1.5 |
| 65 | 185 | 26 | 210 | 76.1 | 2.3 | 70 | 2 |

| Orifice [inch] | AS | LS | ØDS | WS | ØDS | WS |
|----------------|----|-----|-------|-----|-------|------|
| 1/2 | 20 | 90 | 12.7 | 1.2 | 12.7 | 1.65 |
| 3/4 | 20 | 90 | 19.05 | 1.2 | 19.05 | 1.65 |
| 1 | 20 | 100 | 25.4 | 1.6 | 25.4 | 1.6 |
| 1 1/2 | 26 | 140 | 38.1 | 1.6 | 38.1 | 1.6 |
| 2 | 26 | 150 | 50.8 | 1.6 | 50.8 | 1.6 |
| 2 1/2 | 26 | 175 | 63.5 | 1.6 | 63.5 | 1.6 |

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 datasheets). For the configuration of further valve systems please use the "Request for quotation" on p. 14 [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 $\varnothing 70/\varnothing 90/\varnothing 130\text{mm}$

Globe Valve Type 2101 with actuator sizes $\varnothing 70/\varnothing 90/\varnothing 130\text{mm}$

Control Head



Pneumatic control unit
Type 8690



Control head
Type 8691

Globe valve with desired control unit



**Valve system
On/Off ELEMENT
Type 8801-GC-K
2101 + 8690**



**Valve system
On/Off ELEMENT
Type 8801-GC-H
2101 + 8691**

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

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



DeviceNet™

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 $\varnothing 70/\varnothing 90/\varnothing 130\text{mm}$) or control head **Type 8695** (for valve actuator size $\varnothing 50\text{mm}$) (see separate datasheets).

For the configuration of further valve systems please use the "Request for quotation" on p. 14 [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 size $\varnothing 50\text{mm}$

Globe Valve Type 2101 with atuator size $\varnothing 50\text{mm}$



Control Head



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 datasheet.

Control head Type 8695



More
info.

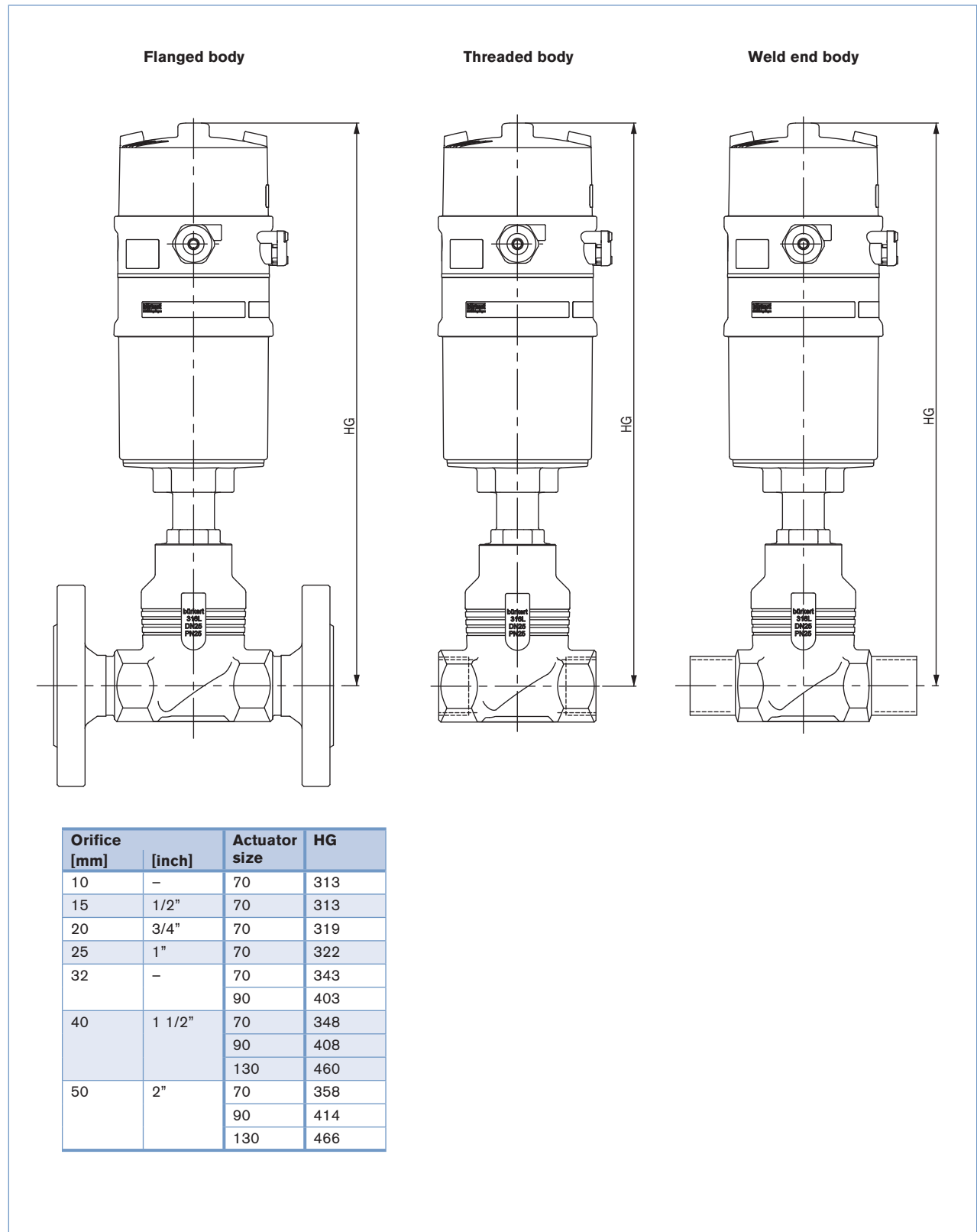
The new generation of integrated control heads for combination with small actuators from the process valve series Type 21xx is specially designed for the requirements of hygienic process environments. The intelligent control head, Type 8695, detects the valve position by means of a contact-free analog 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

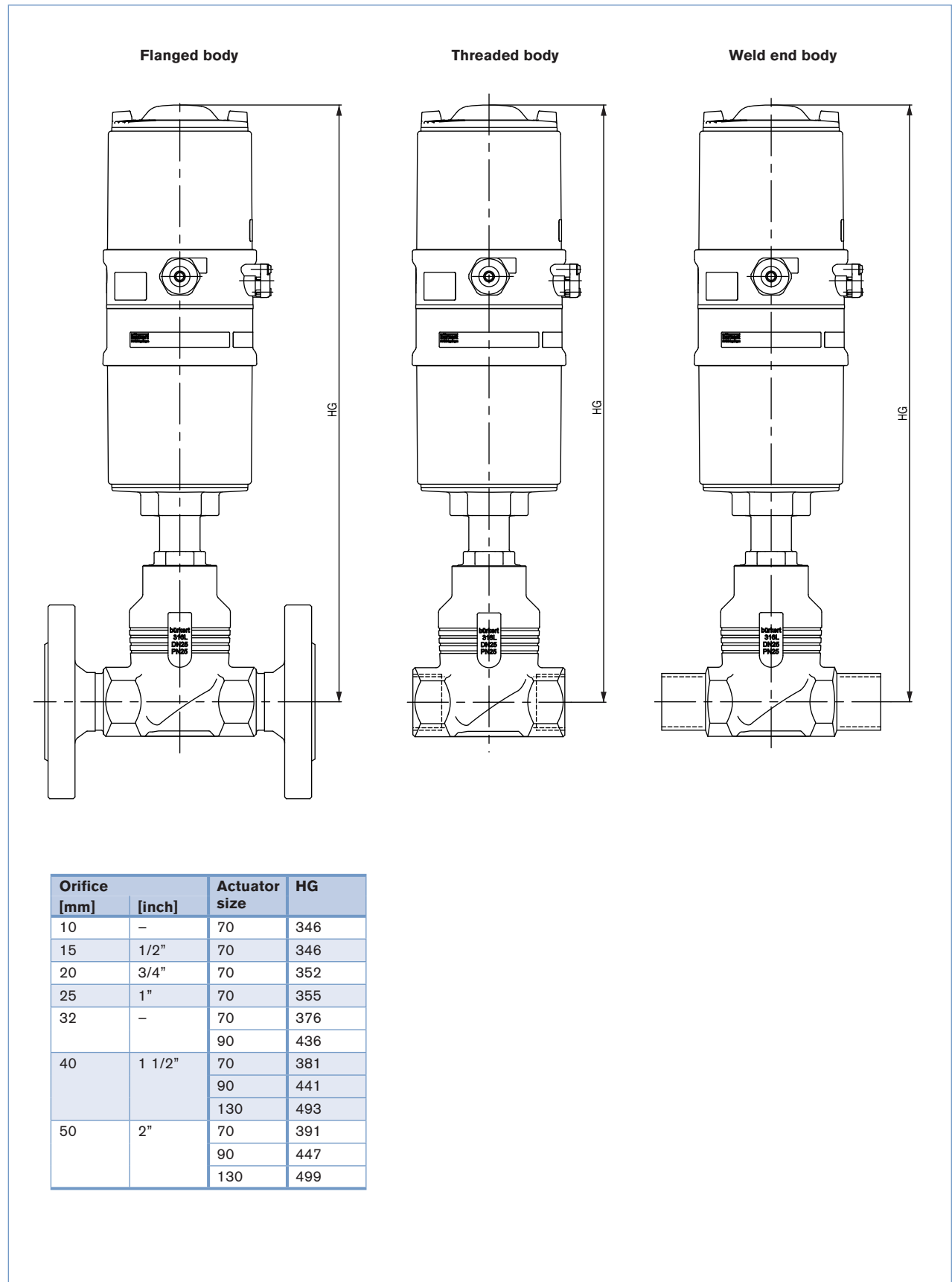
Dimensions for valve system On/Off ELEMENT Type 8801-GC [mm]

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



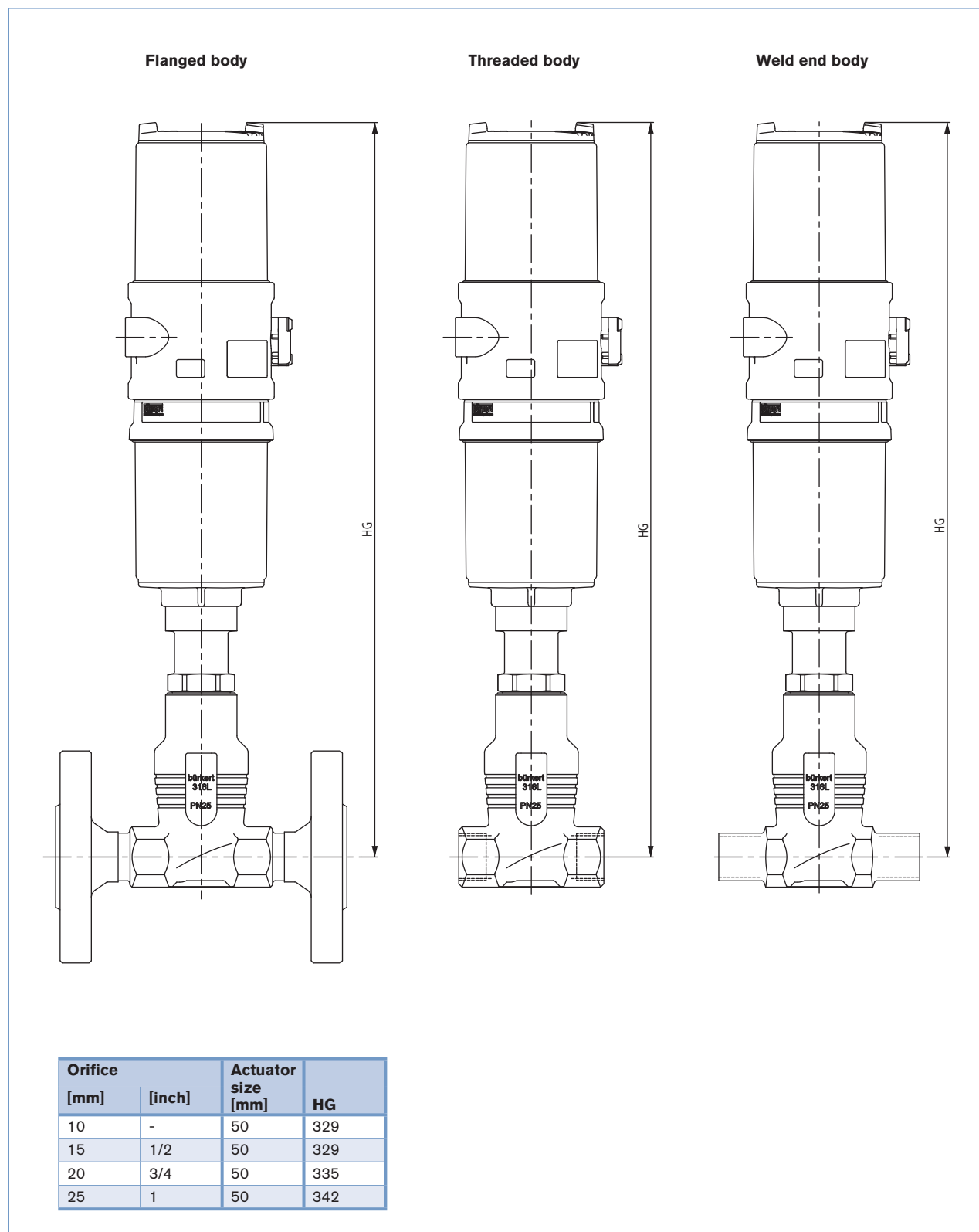
Dimensions for valve system On/Off ELEMENT Type 8801-GC [mm], continued

Dimensions valve system On/Off ELEMENT Type 8801-GC-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-GC-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

Pipeline DN PN

Pipe material

Process medium

Type of media Liquid Steam Gas

Valve features

Seat sealing material PTFE NBR Other

Nominal pressure PN

Nominal size DN

Type of connection Flanged Threaded Welded Clamp

Standard connection ISO DIN Other

Control function NC¹⁾ NO¹⁾ double-acting

Pilot pressure min. max.

Please specify item no. if known:

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

Control unit features

For actuator sizes 70/90/130 mm

For actuator size 50 mm

Pneumatic Control Unit Type 8690 [More info.](#)

Control Head Type 8691 [More info.](#)

Control Head Type 8695 [More info.](#)

Pneumatic function
 Single-acting Double-acting
 Without pilot valve

Pneumatic function
 Single-acting Double-acting

Pneumatic function
 Single-acting Double-acting

Position feedback
 1x inductive 2x inductive
 1x inductive (NAMUR) 2x inductive (NAMUR)
 1x mechanical 2x mechanical

Pilot air ports
 Push-in connector external \varnothing 6mm or 1/4"
 Thread G 1/8"

Pilot air ports
 Push-in connector external \varnothing 6mm or 1/4"
 Thread G 1/8"

Supply voltage
 24 V / DC (ATEX Zone 2/22)
 Ex ia IIC T6 (ATEX Zone 1)

Communication
 ASI
 Multipol M12
 Flat cable clip, 1 m cable
 DeviceNet

Communication
 ASI

Pilot air ports
 Push-in connector Thread G 1/8" external \varnothing 6mm or 1/4"

Please specify item no. if known:

Please specify item no. if known:

Comments

Reset