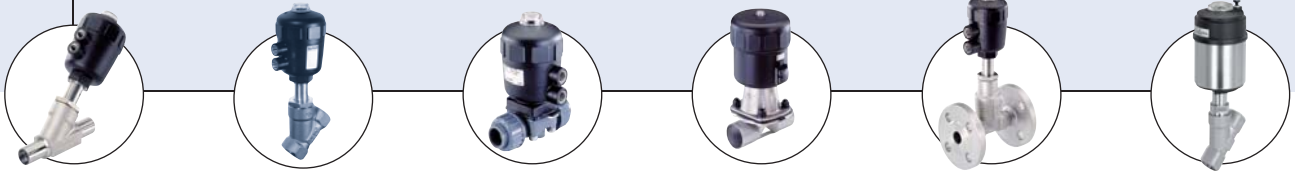


# Accessories for pneumatic stroke and rotary actuators – CLASSIC and ELEMENT process valves

- Complete modular designed accessory program
- More for less - optimal configuration costs
- Easy maintenance and commissioning
- Increase system and operational safety

Type 2XXX can be combined with...



**Type 2000**
Angle-seat valve

**Type 2002**
Compact angle-seat valve

**Type 2030**
Plastic diaphragm valve

**Type 2031**
Diaphragm valve

**Type 2012**
Globe valve

**Type 210X**
ELEMENT Process valve

The modular designed accessory option package is the comprehensive addition to the Bürkert process valves with pneumatic, linear or quarter-turn actuator (Types 2000, 2002, 2012, 2030, 2031, 2031K, 2050, 2652, 2655, 2658, 2672, 2675). The flexible, easily accessible concept of modular accessories has been designed to cover individual application requirements in a cost-effective way.

The design has been optimized for easy installation (retro-fitting), commissioning and operation.

| Technical data | |
|---|---|
| **Type 8697**<br>Electrical position feedback<br>(Actuator Ø 20 bis 225) | Mechanical limit switches (0 to 48 V or 50 to 250 V AC/DC)<br>Inductive limit switches (24 V DC, PNP shutter 3-wire with LEDs)<br>Inductive limit switches (24 V DC, shutter 2-wire with LEDs)<br>NAMUR Inductive limit switches (8.2 V DC, 2-wire with LEDs) |
| **Type 1060**<br>Position feedback<br>(Actuator Ø 50-225) | Change-over contact |
| **Adapters for proximity switches** | Adapter for proximity switches M12 x 1 (fastening angle)<br>Adapter for proximity switches (Nipple with thread M12x1) |
| **Type 1071**<br>External magnet inductive position feedback<br>(Actuator Ø 50-125) | PNP |
| **Stroke limitation**<br>(Actuator Ø 50-225) | Max. upper stroke limitation,<br>without optical position indicator<br>Max. and Min. stroke limitation,<br>with optical position indicator |
| **Manual override**<br>(Actuator Ø 50-125) | With visual position indication for valve operation when pressure drops |
| **NAMUR-Adapter**<br>(Actuator Ø 50-125) | Adapter plate with screw connection for pilot valve |

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# Type 8697, electrical position feedback



The electrical position feedback Type 8697 is optimised for integrated mounting on the CLASSIC 20XX series. Mechanical or inductive limit switches register the position of the valve und gives an electrical feedback signal to the control system.

Besides the electrical position feedback signal the position of the valve is visually shown via LEDs. The housing is easy to clean and features proven electrical IP protection and chemicallyresistant materials for use in hygienic processing, in food, beverage and pharmaceutical industries.

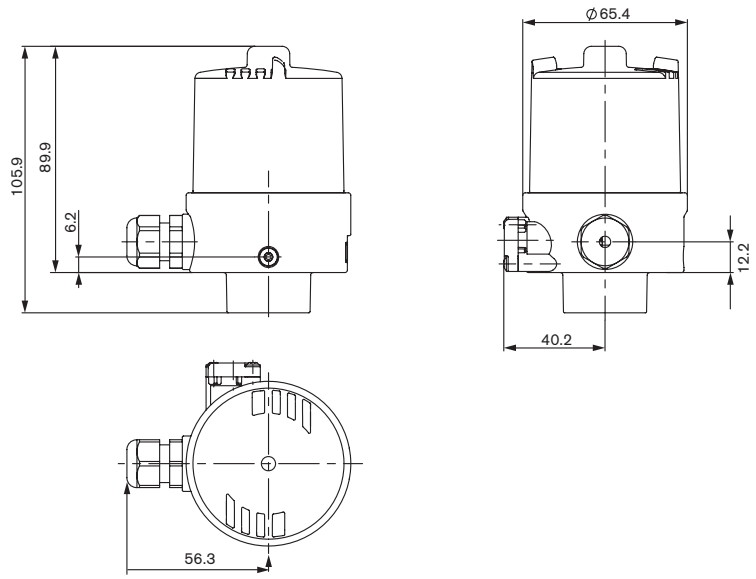
| Technical Data | |
|---|---|
| **Material** - Body | PPS |
| Cover | PC |
| Sealing | EPDM |
| **Operating voltage *** | |
| Micro switch | 24 V Version: 0 – 48 V AC/DC, max. 2A<br>230 V Version: 50 – 250 V AC/DC, max. 2 A |
| Initiator | 10 to 30 V DC - max.100 mA per initiator |
| **Position feedback** | 2x micro switch (0 – 48 V AC/DC, max. 2 A)<br>2x micro switch (50 – 250 V AC/DC, max. 2 A)<br>2x initiator (24 V DC), PNP shutter 3-wire **with LEDs**<br>2x initiator NAMUR (8.2 V DC) (2-wire) **with LEDs**<br>2x initiator (24 V DC), Schließer (2-wire) **with LEDs** |
| **Stroke range valve spindle** | 2 to 36 mm |
| **Ambient temperature** | -20 to +60 °C (without ATEX or for II 2G Ex ia IIC T4 Gb)<br>0 to +55 °C (II 3D Ex tc IIIC T135°C Dc, II 3G Ex nA IIC T4 Gc)<br>0 to +55 °C (II 2D Ex ia IIIC T135°C Db IP64, II 2G Ex ia IIC T4 Gb) |
| **Installation** | as required, preferably with actuator in upright position |
| **Protection type** | IP65 and IP67 according to EN 60529, Type 4X |
| **Protection class** | 3 acc. to DIN EN 61140 |
| **Conformity** | EMC directive 2014/30/EU |
| **Ignition protection** | II 3D Ex tc IIIC T135 °C Dc<br>II 3G Ex nA IIC T4 Gc<br>II 2D Ex ia IIIC T135 °C Db IP64<br>II 2G Ex ia IIC T4 Gb |
| **Approval** | cULus certificate no. E238179 |
| **Electrical connection** | |
| Multipole | M12, 8-pole |
| Cable gland | M16x1.5 SW22 (cable diameter 4 -8 mm), terminal screws 0.14 bis 1.5 mm² |

* Supply voltage according to UL NEC Class 2 for versions with cULus approval.

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## Dimensions [mm]

**Electrical position feedback for mounting on process valve ELEMENT Types 21XX**




## Ordering chart for electrical position feedback, Type 8697 (Actuator size 40 to 225)

| End position feedback | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Inductive Switch 3-wire PNP | Inductive Switch 2-wire NAMUR | Inductive Switch 2-wire 24 V DC | Micro Switch 24 V DC | Micro Switch 50-250 V 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 | | yes | | | | 255 851 |
| 2 | | | | | yes | M12 connector | yes | | | | 255 858 |
| 2 | | | | | yes | | | | | yes | 250 472 |
| | 2 | | | | yes | Cable gland | | yes | | | 248 831 |
| | 2 | | | | yes | | | | yes | | 255 863 |
| | | 2 | | | yes | | | | | yes | 248 826 |
| | | 2 | | | yes | | yes | | | | 255 850 |
| | | | 2 | | | | | | | yes | 248 833 |
| | | | | 2 | | | | | | 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

## Ordering chart adapter kit (has to be ordered separately)

| Description | Actuator size | Item no. |
|---|---|---|
| Adapter kit CLASSIC Type 20xx | Ø40mm | 698 573 |
| | Ø50/63/80 mm | 682 264 |
| | Ø100/125 mm | 682 265 |
| | Ø175/225 mm | 684 944 |

For installation kits to 3rd party process valves please see datasheet "Installation Kits for hygienic process valves" or contact your sales office for related drawings or individual engineering support



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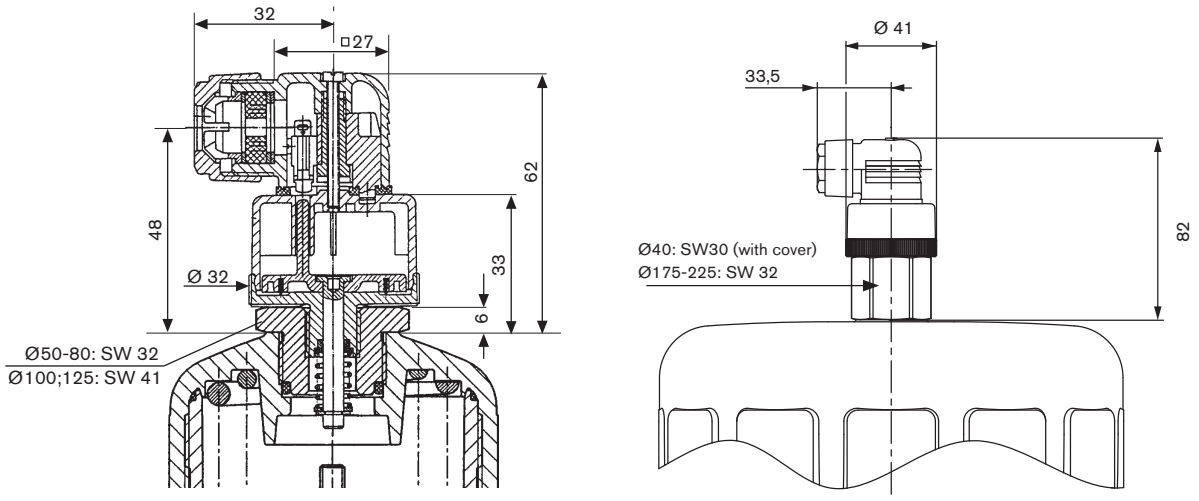
## Electrical position feedback



| Technical data | |
|---|---|
| **Material** | plastic |
| **Electrical connection** | solder connections, cable entry sealed by gland with cable grip to suit cable Ø 5-9 mm |
| **Protection class category** | IP65 |
| **Max. continuous temperature** | +125 °C |
| **Micro switch** | change-over contact |
| **Contact rating**<br>Max. 250 V AC<br>Max. 250 V DC | <br>Max. 5 A resistance or inductive load current<br>0.25 A resistance or 0.02 A inductive load current |
| **Installation** | screwed in instead of the visual position indicator |

The electrical position feedback is screwed in, instead of the visual position indicator. While the valve is opening, the piston of the actuator lifts a palm-button. This button actuates a micro switch with change-over contact, which gives the electrical feedback of the valve position. The palm-button also acts as an optical position indicator.

## Dimensions [mm]




## Ordering chart

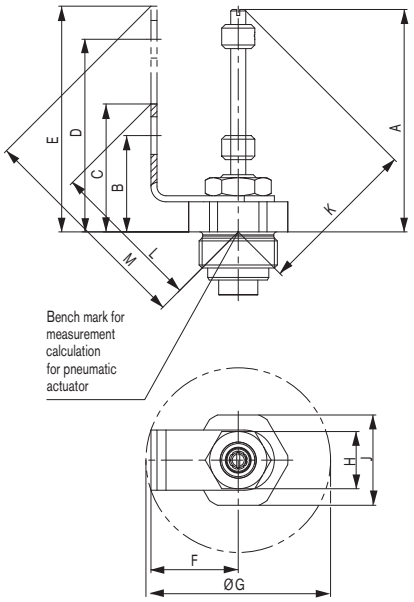
| Actuator size ø | Item no. |
|---|---|
| 40 | 293 113 [1] |
| 40 (Seat valve) | 158 244 |
| 40 (Diaphragm valve) | 158 220 |
| 50-80 | 701 515 |
| 100, 125 | 701 516 |
| 175, 225 | 655 696 |

[1] For valves built as of 2016

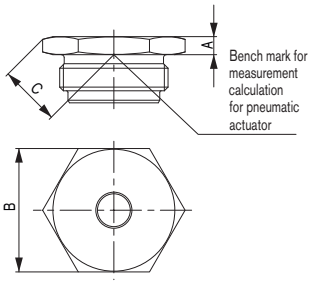
## Adapters for proximity switches CLASSIC valves



### Adapter for proximity switches M12x1 (fastening angle)




### Adapter for proximity switch (nipple with M12x1 thread)




| Actuator size (Ø) | A | B | C | Item no. |
|---|---|---|---|---|
| 40 | 25 | A/F30 | 29.5 | on request |
| 50, 63, 80 | 6 | A/F32 | 17 | 648 152 |
| 100, 125 | 6 | A/F41 | 21 | 649 257 |
| 175, 225 | 28.5 | A/F32 | 33 | 669 773 |

| Sensor | Actuator size (Ø) | A | B | C | D | E | F | Ø G | H | J | K | L | M | Item no. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| single | 50, 63, 80 | 65.5 | 32 | 42.5 | - | - | 29 | 61.5 | A/F19 | A/F30 | 48 | 51 | - | 649 381 |
| single | 100, 125 | 80.5 | 35 | 45.5 | - | - | 29 | 61.5 | A/F19 | A/F30 | 49 | 53 | - | 649 382 |
| double | 50, 63, 80 | 80.5 | 28 | - | 74 | 85 | 24 | 52 | A/F19 | A/F30 | 59 | - | 78 | 667 988 |
| double | 100, 125 | 95.5 | 31 | - | 77 | 88 | 24 | 52 | A/F19 | A/F30 | 69 | - | 80 | 667 989 |
| double | 175, 225 | 145 | 68 | - | 136 | 147 | 24 | 52 | A/F19 | A/F30 | 104 | - | 121 | 669 810 |

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## Type 1071, external magnetic inductive position feedback

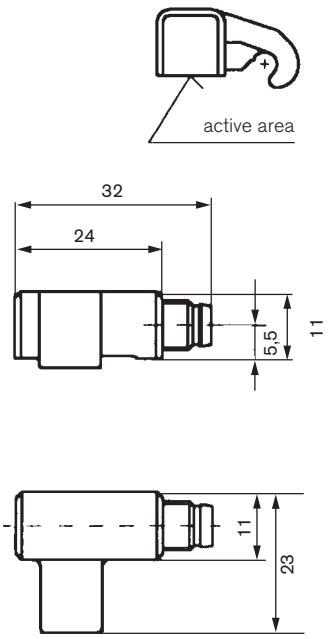


The magnetic-inductive sensors react to the approach of the magnetic piston of the series 2XXX piston operated seat or diaphragm valves. Thus, the piston position can be optically and electrically displayed with an LED. In addition it permits the use of a stroke limiter or manual override.

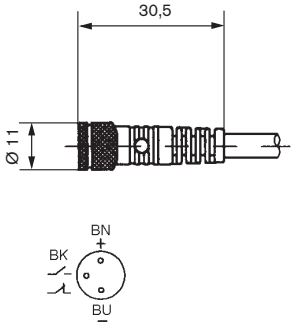
| Technical data | |
|---|---|
| **Material**<br>sensor body<br>fixing bracket | <br>PBTP (GF-reinforced)<br>Pressure casting, stainless steel |
| **Ambient temperature** | -20 to+70 °C |
| **Electrical connection** | Plug connection or cable (3m long) |
| **Protection class** | IP67 |
| **Mounting** | by means of fixing brackets at piston actuator (see drawing) |
| **Version** | PNP |
| **Operating voltage** | 10…30 V DC |
| **Power consumption**<br>damped<br>undamped | <br>≤ 12 mA<br>≤ 10 mA |
| **Nominal field strength** | $\lvert H_n \rvert$ = 1.2 kA/m |
| **Working field strength** | $\lvert H_a \rvert \geq$ kA/m |
| **Hysteresis** | ≤ 45 % of $H_n$ |
| **Temperature drift of switch-on point** | ≤ 0.3 %/°C |
| **Ripple** | ≤ 15 % |
| **Acceptable current load** | Max. 200 mA |
| **Acceptable capacitive load** | ≤ 1 µF |
| **Voltage drop $U_d$** | ≤ 2.5 V |
| **Turn on time** | ≤ 0.5 ms |
| **Switch-off time** | 20 to 50 ms |
| **Weight** | 6g |

## Dimensions [mm]

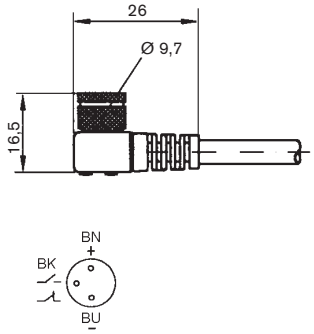
**Sensor Type 1071 with plug connector, IP 67**




**Plug connector, straight, without LED, cable 3m**




**Elbow plug connector, with LED, cable 3m**




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## Ordering charts for external magnetic inductive position feedback, Type 1071

Required individual parts: magnetic piston, fixing bracket, sensor, plug

### Magnetic piston

| Actuator size Ø [mm] | Item no. |
|---|---|
| 50 | 630 063 |
| 63 | 630 064 |
| 80 | 630 065 |
| 100 | 630 066 |
| 125 | 630 067 |

### Sensor bracket

| Actuator size Ø | Item no. |
|---|---|
| 50 | 670 027 |
| all other actuators | 636 239 |

### Elbow joint

| Material | Item no. |
|---|---|
| Stainless steel | 636 241 |
| Pressure casting | 780 558 |

### Sensor

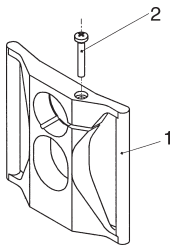
| Version | Item no. |
|---|---|
| inductive with plug connection (with LED) | 780 110 |
| inductive with 3m cable (with LED) | 780 111 |

### Plug for sensor with plug connection

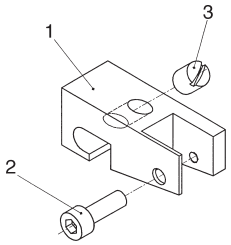
| Version | Item no. |
|---|---|
| angled, with 3m cable | 780 112 |
| straight, with 3m cable | 780 113 |

### Mounting information

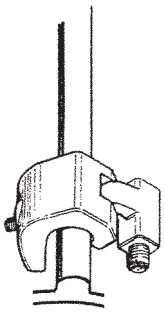
**Sensor bracket**
1 Bracket
2 Screws




**Elbow joint**
1 Elbow joint
2 Screws
3 Pins




Mount sensor to elbow joint and sensor bracket



**Mounting note magnetic piston**

To mount the magnet piston the use of a special key is necessary to open the actuator cover. (Ordering information on page 9)

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## Stroke limiter for stroke actuators CLASSIC valves

Ø 40-125 [mm] Ø 175-225 [mm]



| Technical data | |
|---|---|
| **Max. stroke limitation** | |
| **Special feature** | without visual position indicator (upper stroke limitation only) |
| **Mounting** | screw in stroke limiter (instead of the transparent cover for the visual position indicator) |
| | For Ø 100 and Ø 125, actuator cover must be removed for mounting, to do this a special key is required (see page 10) |

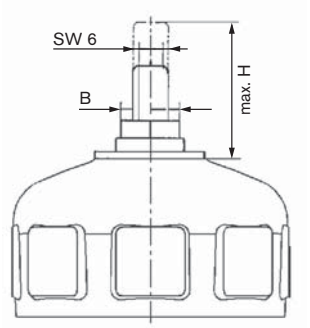
Ø 50-125 [mm] Ø 175-225 [mm]



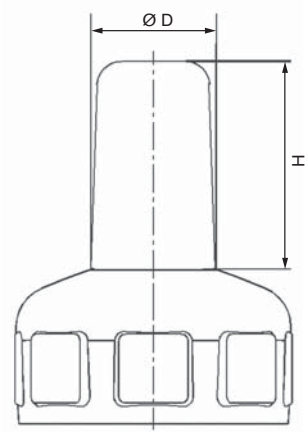
| Max./min. Hubbegrenzung | |
|---|---|
| **Special feature** | Max. & min. flow setting (upper and lower stroke limitation) with visual position indicator |
| **Mounting** | Actuator cover must be removed for mounting, to do this a special key is required (see page 10) |

## Dimensions [mm]

Actuator size 40-225




| Actuator size Ø | B | H |
|---|---|---|
| 40, 50, 63, 80 | SW 17 | 40 |
| 100, 125 | SW 19 | 55 |
| 175, 225 | SW24 | 97 |




| Actuator size Ø | Ø D | H |
|---|---|---|
| 50, 63, 80 | 39 | 50 |
| 100, 125 | 53 | 73 |
| 175, 225 | 86 | 172 |

## Ordering chart

**Max. stroke limitation without visual position indicator**
(single version, only for valves with circuit function A, normally closed.)

| Actuator size Ø [mm] | Item no. |
|---|---|
| 40-80 | 637 866 |
| 100 | 637 867 |
| 125 | 637 868 |
| 175-225 | 655 600 |

**Min./Max. stroke limitation with visual position indicator**

| Actuator size Ø [mm] | Item no. |
|---|---|
| 50-80 | 636 820 |
| 100 | 636 821 |
| 125 | 640 703 |
| 175-225 (diaphragm valve) | 655 631 |
| 175 (globe valve ) | 659 038 |
| 225 (globe valve) | 659 423 |

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## Stroke limiter for stroke actuators ELEMENT valves

Ø 50 [mm]



Ø 70–130 [mm]



| Technical data | |
|---|---|
| **Max. stroke limitation** | |
| **Special feature** | without visual position indicator (upper stroke limitation only) |
| **Mounting** | screw in stroke limiter (instead of the transparent cover for the visual position indicator) |

Ø 50 [mm]



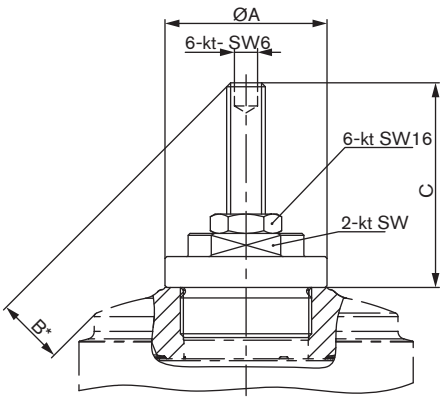
Ø 70–130 [mm]



| Max./min. stroke limitation | |
|---|---|
| **Special feature** | Max. & min. flow setting (upper and lower stroke limitation) with visual position indicator |
| **Mounting** | screw in stroke limiter (instead of the transparent cover for the visual position indicator) |

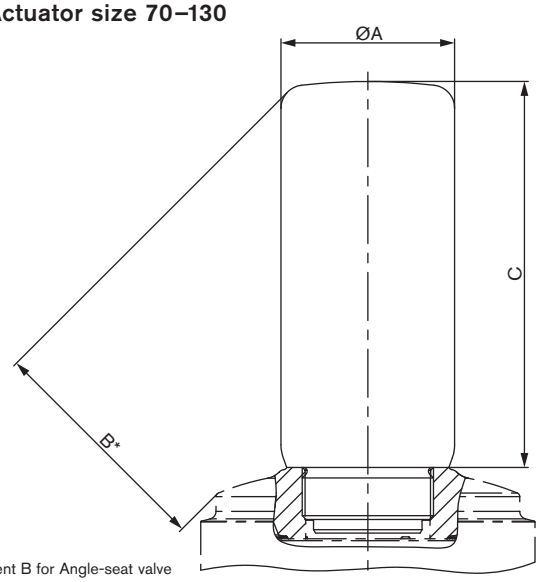
## Dimensions [mm]

Actuator size 50




| Actuator | ØA | B | C | 2-kt SW |
|---|---|---|---|---|
| D | 20 | 15 | 40 | 17 |
| M | 42 | 18 | 53 | 24 |
| N | | 16 | | |
| P | | 2 | | |

Actuator size 70–130




* Measurement B for Angle-seat valve

| Actuator | ØA | B | C |
|---|---|---|---|
| D | 45 | 38 | 100 |
| M | | 61 | |
| N | | 59 | |
| P | | 45 | |

## Ordering chart

**Max. stroke limitation without visual position indicator**
(single version, only for valve with circuit function A, normally closed by spring action.)

| Actuator size Ø [mm] | Item no. |
|---|---|
| 50 | 677 535 |
| 70–130 | 673 962 |

**Min./Max. stroke limitation with visual position indicator**

| Actuator size Ø [mm] | Item no. |
|---|---|
| 50 | 673 950 |
| 70–130 | 673 951 |

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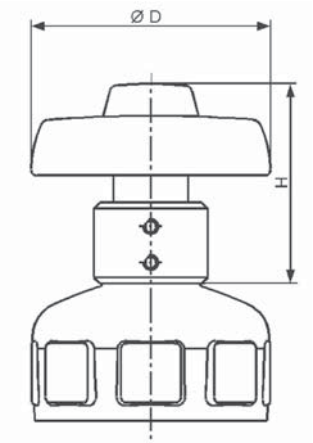
## **Manual override for stroke actuator** (with visual position indicator)



Manual override with visual position indicator for manual valves when pressure drops

| Technical data | |
|---|---|
| **Version** | Manual opening (only for control function A, i.e. unpressurised closed) |

## Dimensions [mm]



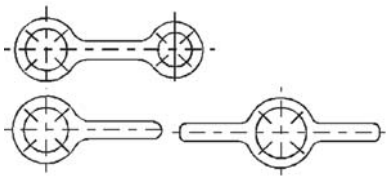

| Actuator size Ø | Ø D | H |
|---|---|---|
| 50, 63, 80 | 80 | 68 |
| 100, 125 | 150 | 85 |

## Ordering chart (with visual position indicator)

| Actuator size Ø [mm] | Item no. |
|---|---|
| 50-80 | 636 822 |
| 100, 125 | 636 823 |

## Ordering chart for mounting key (for actuator cover)

| Actuator size Ø [mm] | Item no. |
|---|---|
| 40 and 50 | 639 175 |
| 63 | 639 170 |
| 80 | 639 171 |
| 100 | 639 172 |
| 125 | 639 173 |



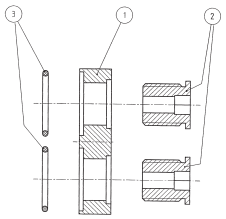
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## NAMUR-Adapter for pilot valve



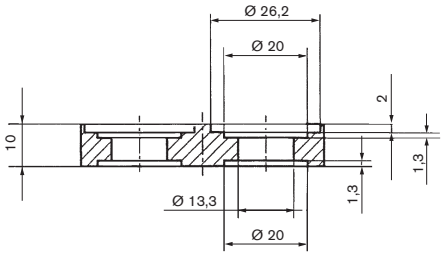
**Mounting for NAMUR-Adapter**

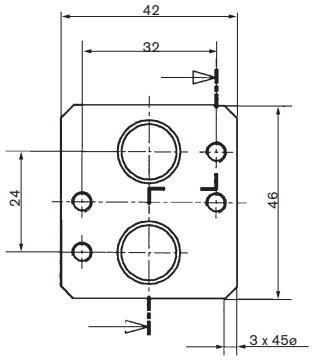
1 Plate
2 Hollow screw
3 O-rings

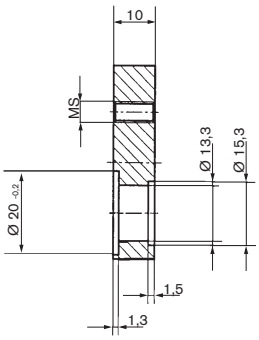


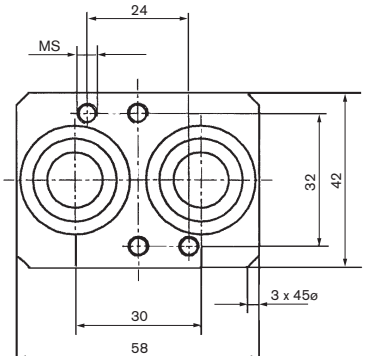

| Technical data | |
|---|---|
| **Material**<br>plate and hollow screw | Steel 1.4021 or CuZn39 Pb3 F44 |
| **Seal**<br>O-rings | NBR 75 |

## Dimensions [mm]




**Version 1**
Namur-Adapter for **stroke actuator**
Ø 50 to 80 for angle seat and globe valve
Ø 63 to 100 for diaphragm valve
NAMUR adapter for **rotary actuator**
Ø 63 on request

**Version 2**
Namur-Adapter for **stroke actuator**
Ø 100 and 125 for angle seat and globe valve
Ø 125 for diaphragm valve
NAMUR adapter for **rotary actuator**
Ø 100

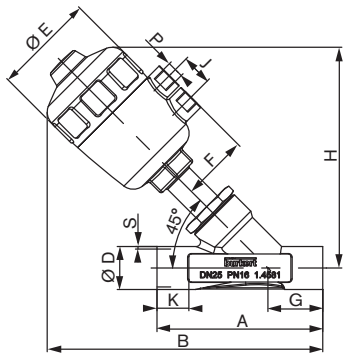
## Ordering chart

| Actuator size Ø [mm] | Material | Item no. |
|---|---|---|
| Version 1 | Stainless steel | 632 974 |
| Version 2 | Stainless steel | 634 275 |
| Version 1 | Brass | 637 113 |
| Version 2 | Brass | 637 114 |

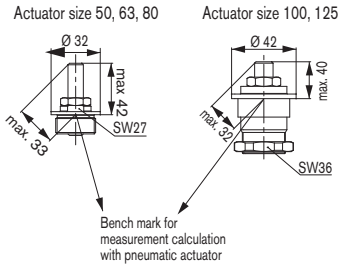
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## Dimensions for Type 2000

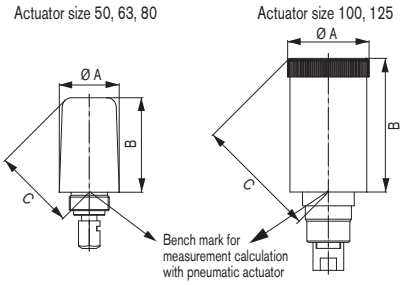
### Weld end body acc. to EN ISO1127/ ISO4200 and DIN 11850 Series 2




### Max. Stroke limiter (single version)

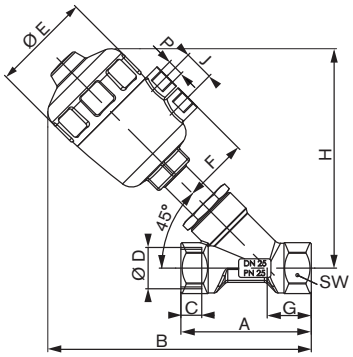



### Min/Max. Stroke-limiter

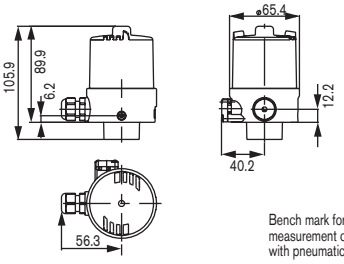



| Actuator size | ØA | B | C |
|---|---|---|---|
| 50, 63, 80 | 39 | 62 | 54 |
| 100, 125 | 53 | 87 | 80 |

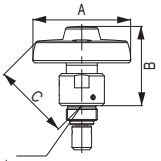
### Threaded body




### Electrical control feedback Type 8697

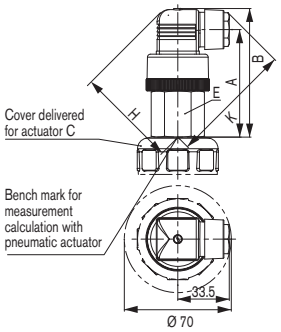



### Hand wheel




| Actuator size | ØA | B | C |
|---|---|---|---|
| 50, 63, 80 | 80 | 66.7 | 64.9 |
| 100, 125 | 150 | 83.9 | 96.3 |

### Optical position indicator with electrical feedback Type 1060




| Actuator size | A | B | E | H | K |
|---|---|---|---|---|---|
| 40 | 70 | 84 | SW30 | 65 | 80 |
| 50, 63, 80 | 44 | 58.5 | SW32 | 47 | 62 |
| 100, 125 | 44 | 58.5 | SW41 | 47 | 62 |

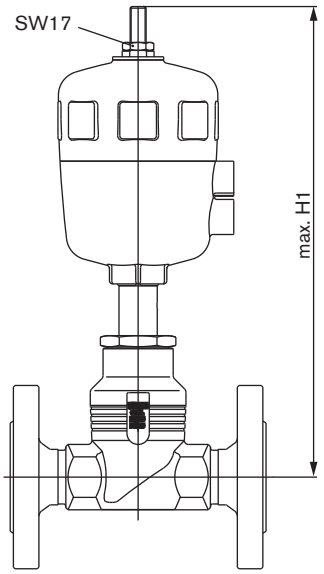
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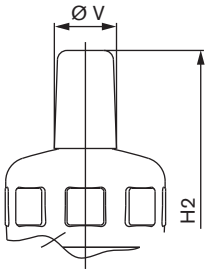
## Dimensions for Type 2000 (continued)

| All bodies | | | | | | All weld end bodies | | | | Weld end bodies acc. to EN ISO 1127/ ISO 4200 | | | Weld end bodies acc. to DIN11850 Series 2 | | | Threaded body | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DN | Actuator size Ø | Ø E | F | P | J | B | H | A | G | K | Ø D | S | K | Ø D | S | B | H | A | C | ØD | G | SW |
| 13 | 40 | 53 | 33 | G 1/8 | 16.5 | – | – | – | – | – | – | – | – | – | – | 137 | 113 | 65 | 12 | G 3/8 | 24 | 27 |
| | 40 | 53 | 33 | G 1/8 | 16.5 | – | – | | | | | | | | | 146 | 115 | 85 | 14 | G 1/2 | 31 | 27 |
| | 50 | 64 | 44 | G 1/4 | 24 | – | – | | | | | | | | | 170 | 140 | | | | | |
| | 63 | 80 | 52 | G 1/4 | 24 | – | – | | | | | | | | | 203 | 172 | | | | | |
| | 80 | 101 | 60 | G 1/4 | 24 | – | – | | | | | | | | | 224 | 193 | | | | | |
| 15 | 40 | 53 | 33 | G 1/8 | 16.5 | 148 | 114 | 100 | 34 | 20 | 21.3 | 1.6 | 20 | 19 | 1.5 | – | – | – | – | – | – | – |
| | 50 | 64 | 44 | G 1/4 | 24 | 174 | 137 | | | | | | | | | – | – | | | | | |
| | 63 | 80 | 52 | G 1/4 | 24 | – | – | | | | | | | | | – | – | | | | | |
| | 80 | 101 | 60 | G 1/4 | 24 | – | | | | | | | | | | – | – | | | | | |
| 20 | 40 | 53 | 33 | G 1/8 | 16.5 | 158 | 119 | 115 | 39 | 25 | 26.9 | 1.6 | 25 | 23 | 1.5 | 155 | 120 | 95 | 16 | G 3/4 | 35 | 32 |
| | 50 | 64 | 44 | G 1/4 | 24 | 181 | 145 | | | | | | | | | 179 | 144 | | | | | |
| | 63 | 80 | 52 | G 1/4 | 24 | 209 | 170 | | | | | | | | | 206 | 171 | | | | | |
| | 80 | 101 | 60 | G 1/4 | 24 | – | – | – | – | – | – | – | – | – | – | 225 | 190 | | | | | |
| 25 | 40 | 53 | 33 | G 1/8 | 16.5 | – | – | – | – | – | – | – | – | – | – | 160 | 126 | 105 | 18 | G 1 | 35.5 | 41 |
| | 50 | 64 | 44 | G 1/4 | 24 | 191 | 148 | 130 | 43 | 30 | 33.7 | 2 | 30 | 29 | 1.5 | 188 | 152 | | | | | |
| | 63 | 80 | 52 | G 1/4 | 24 | 217 | 173 | | | | | | | | | 213 | 177 | | | | | |
| | 80 | 101 | 60 | G 1/4 | 24 | 238 | 195 | | | | | | | | | 234 | 198 | | | | | |
| 32 | 63 | 80 | 52 | G 1/4 | 24 | 230 | 186 | 145 | 45 | 30 | 42.4 | 2 | 30 | 35 | 1.5 | 224 | 183 | 120 | 20 | G 11/4 | 41 | 50 |
| | 80 | 101 | 60 | G 1/4 | 24 | 259 | 210 | | | | | | | | | 246 | 205 | | | | | |
| | 100 | 127 | 73 | G 1/4 | 30 | 301 | 256 | | | | | | | | | 296 | 255 | | | | | |
| 40 | 63 | 80 | 52 | G 1/4 | 24 | 238 | 189 | 160 | 49 | 30 | 48.3 | 2 | 30 | 41 | 1.5 | 227.3 | 188 | 130 | 22 | G 11/2 | 40 | 55 |
| | 80 | 101 | 60 | G 1/4 | 24 | 258 | 213 | | | | | | | | | 249 | 209 | | | | | |
| | 100 | 127 | 73 | G 1/4 | 30 | 309 | 260 | | | | | | | | | 299.3 | 260 | | | | | |
| | 125 | 158 | 86 | G 1/4 | 30 | 337 | 288 | | | | | | | | | 329 | 289 | | | | | |
| 50 | 63 | 80 | 52 | G 1/4 | 24 | 255 | 205 | 175 | 50 | 30 | 60.3 | 2.6 | 30 | 53 | 1.5 | 249 | 204 | 150 | 24 | G 2 | 45 | 70 |
| | 80 | 101 | 60 | G 1/4 | 24 | 275 | 225 | | | | | | | | | 270 | 225 | | | | | |
| | 100 | 127 | 73 | G 1/4 | 30 | 327 | 271 | | | | | | | | | 317 | 272 | | | | | |
| | 125 | 158 | 86 | G 1/4 | 30 | 351 | 301 | | | | | | | | | 347 | 302 | | | | | |
| 65 | 63 | 80 | 52 | G 1/4 | 24 | 271 | 221 | 210 | 50 | 26 | 76.1 | 2.3 | 26 | 70 | 2.0 | 275 | 218 | 185 | 26 | G 21/2 | 57 | 85 |
| | 80 | 101 | 60 | G 1/4 | 24 | 292 | 242 | | | | | | | | | 296 | 239 | | | | | |
| | 100 | 127 | 73 | G 1/4 | 30 | 340 | 290 | | | | | | | | | 344 | 287 | | | | | |
| | 125 | 158 | 86 | G 1/4 | 30 | 370 | 320 | | | | | | | | | 374 | 317 | | | | | |

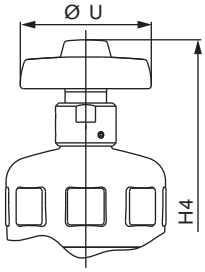
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## Dimensions for Type 2012



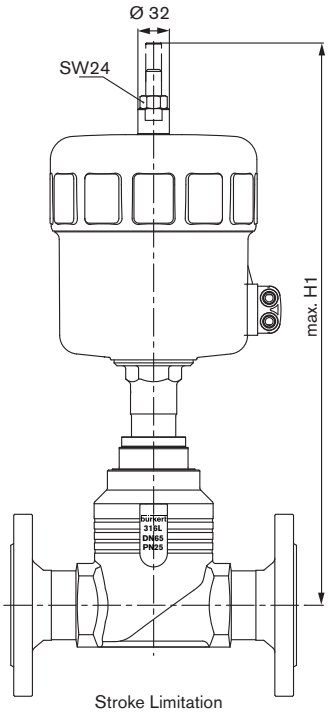




Min. / Max. stroke limiter

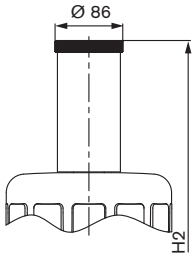



Hand wheel

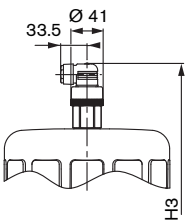
| DN | Actuator size | H1 | H2 | H4 | ØV | ØU |
|---|---|---|---|---|---|---|
| 10 | 50 | 234 | 260 | 267 | 39 | 80 |
| 15 | 50 | 234 | 260 | 267 | 39 | 80 |
| 20 | 50 | 236 | 262 | 269 | 39 | 80 |
| 20 | 63 | 269 | 296 | 303 | 39 | 80 |
| 25 | 50 | 243 | 269 | 276 | 39 | 80 |
| 25 | 63 | 273 | 300 | 307 | 39 | 80 |
| 25 | 80 | 295 | 322 | 329 | 39 | 80 |
| 32 | 63 | 293 | 320 | 327 | 39 | 80 |
| 32 | 80 | 316.5 | 343 | 350 | 39 | 80 |
| 40 | 63 | 298 | 325 | 332 | 39 | 80 |
| 40 | 80 | 321.5 | 348 | 355 | 39 | 80 |
| 40 | 125 | 425 | 470 | 467 | 53 | 150 |
| 50 | 80 | 331.5 | 358 | 365 | 39 | 80 |
| 50 | 100 | 397.5 | 443 | 440 | 53 | 150 |
| 50 | 125 | 430 | 475 | 472 | 53 | 150 |




Stroke Limitation
Single Version




Min. / Max. Stroke Limitation



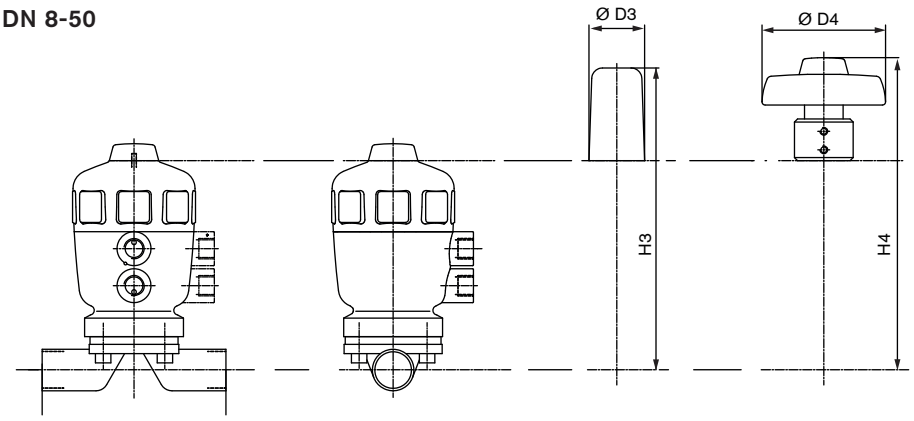

Electrical
Position Feedback
Type 1060

| DN | Actuator size | H1 | H2 | H3 |
|---|---|---|---|---|
| 65 | 175 | 571.7 | 647.5 | 561.5 |
| 80 | 175 | 581 | 656 | 569 |
| 80 | 225 | 576.5 | 651.5 | 564.5 |
| 100 | 225 | 586.5 | 661.5 | 574.5 |

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## Dimensions for Type 2030

### DN 8-50



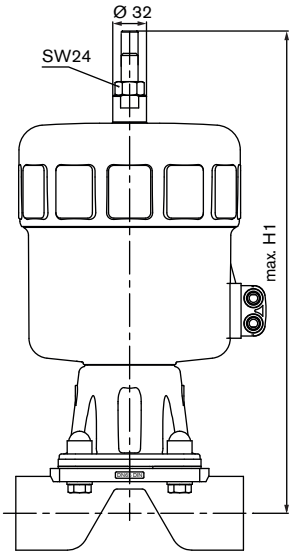

Standard version
body with weld end

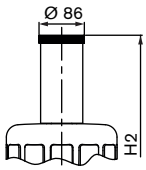
Options: Stroke limiter

Manual override

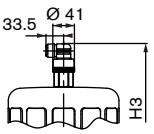
| DN | Act. size (Ø) | ØD3 | ØD4 | H3 | H4 |
|---|---|---|---|---|---|
| 8 | 40 | | | | |
| 15 | 50 | 39 | 80 | 172 | 178 |
| 15 | 63 | 39 | 80 | 189 | 195 |
| 20 | 63 | 39 | 80 | 198 | 204 |
| 20 | 80 | 39 | 80 | 224 | 230 |
| 25 | 63 | 39 | 80 | 207 | 213 |
| 25 | 80 | 39 | 80 | 227 | 233 |
| 32 | 100 | 53 | 150 | 303 | 300 |
| 40 | 100 | 53 | 150 | 308 | 305 |
| 40 | 125 | 53 | 150 | 347 | 344 |
| 50 | 100 | 53 | 150 | 317 | 314 |
| 50 | 125 | 53 | 150 | 351 | 348 |

### DN 65-100




Min. / Max. Stroke
Limitation




Electrical
Position Feedback
Type 1060

| DN | Actuator size | H1 | H2 | H3 |
|---|---|---|---|---|
| 65 | 175 | 462.3 | 543.5 | 457.6 |
| 80 | 175 | 480.0 | 555.0 | 468.0 |
| 80 | 225 | 476.4 | 550.7 | 463.7 |
| 100 | 225 | 486.9 | 563.5 | 476.5 |

For valve dimensions please see separate Datasheets

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please consult for advice.

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1708/23_EU-en_00895045



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