bürkert
FLUID CONTROL SYSTEMS



# 2/2-way Angle-Seat Valve for medium up to +180°C, threaded port connection, DN 15-65

- High flow rate
- Long life cycle
- NC and NO universal actuators with modular universal accessory program up to control heads
- Deliverable with flow direction below or above seat
- Simple conversion of the control function

Type 2000 can be combined with…



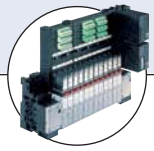
**Typ 8691**
Control head



**Typ 8690**
Pneum. control unit with feedback



**Type 1062**
Electrical position feedback



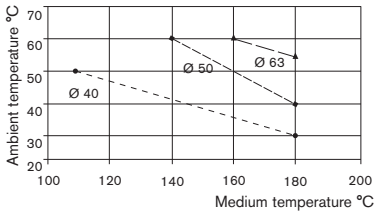
**Type 8640/8644**
Valve block



**Type 6012/6014 P**
Pilot valve

The externally piloted angle-seat valve is operated with a single or double-acting piston actuator. The actuator is available in two different materials, PA and PPS depending on the ambient temperature. The reliable self-adjusting packing gland provides high sealing integrity. High flow rates are attained with the gunmetal or cast stainless steel 2-way body. These maintenance-free and robust valves can be retrofitted with a comprehensive range of accessories for position indication, stroke limitation or manual override.
For valves with port connection clamp and weld end please see separate datasheets.

[1] **Note**: For PA actuators in the sizes 40, 50 and 63, the combination of max. medium temperature and max. ambient temperature is as shown in the following chart




| Technical data | |
|---|---|
| **Orifice** | DN 15 to 65 |
| **Body materials** | Gunmetal, cast stainless steel 316L |
| **Actuator material** | PA or PPS |
| **Seal material** | PTFE (NBR, FKM, EPDM on request) |
| **Medium** | Water, alcohol, oils, fuel, hydraulic fluids, salt solution, alkali solutions, organic solvents, steam |
| **Viscosity** | max. 600 mm²/s |
| **Packing gland** (with silicone grease) | PTFE V-rings with spring compensation |
| **Medium temperature**[1] | -10 to +180 °C with PTFE seal |
| **Ambient temperature** | |
| PA actuator[1] | -10 to +60 °C |
| PPS actuator[1] Ø 40-80 | +5 to +140 °C |
| PPS actuator[1] Ø 100-125 | +5 to +90 °C, briefly up to +140 °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 |
| **Port connection** | G 3/8 to G 2 1/2 (NPT on request) |

## Content




**Valve specifications**
**Type 2000 threaded port**
Technical data & ordering info. p. 1-7



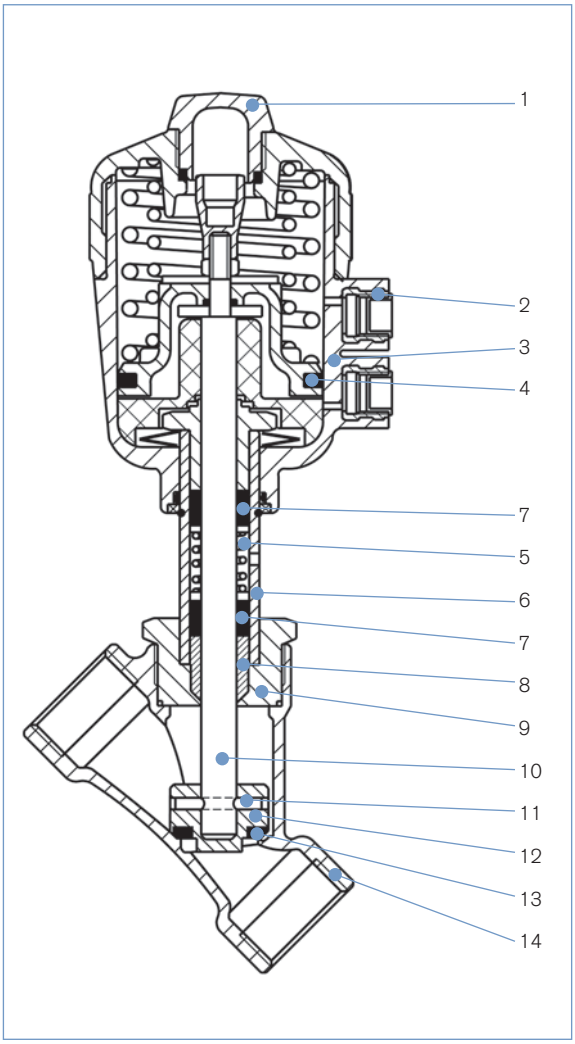
**System spec. On/Off Classic**
**Type 8801-YA/ 8803-YA**
Ordering info. & technical data p. 8-11

**Request for quotation**
**Type 8801-YA/ 8803-YA**
p. 12




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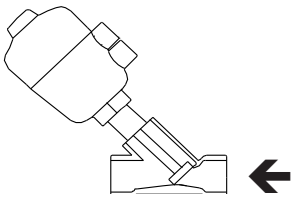
## Materials Type 2000 threaded port




| | | Gunmetal body | Cast stainless steel body |
|---|---|---|---|
| **1** | Transparent cap | PC (with PPS actuator; PSU) | PC (with PPS actuator; PSU) |
| **2** | Pilot air ports | Brass | Stainless steel 1.4305 |
| **3** | Actuator | PA, PPS | PA, PPS |
| **4** | Piston seal | NBR (with PPS actuator; FKM) | NBR (with PPS actuator; FKM) |
| **5** | Spring | Stainless steel 1.4310 | Stainless steel 1.4310 |
| **6** | Tube | Brass CuZn39Pb3 | Stainless steel 1.4401 |
| **7** | V-Seals | PTFE (FKM on request) | PTFE (FKM on request) |
| **8** | Wiper | PTFE | PTFE |
| **9** | Nipple | Brass CuZn | Stainless steel 1.4401 |
| **10** | Spindle | Stainless steel1.4021 | Stainless steel 1.4401 |
| **11** | Pin | Stainless steel1.4401 | Stainless steel 1.4401 |
| **12** | Swivel plate | Brass CuZn36Pb1.5 | Stainless steel 1.4401 |
| **13** | Seal | PTFE (NBR, FKM, EPDM on request) | PTFE (NBR, FKM, EPDM on request) |
| **14** | Valve body | Gunmetal GCuSn5ZnPb2%Ni | Stainless steel 316L |

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## Technical data Type 2000 threaded port, flow direction below seat (for gases and liquid)



**Flow direction below seat**

| Orifice [mm] | Actuator size [mm] | Kv value water ($m^3/h$) | Min. pilot pressure CFA [bar] | Max. operating pressure up to ±180° CFA [bar] | CFB [bar] | Weight [kg] |
|---|---|---|---|---|---|---|
| 15 | 40 | 3.7 | 4.0 | 15 | 16 | 0.8 |
| | 50 | 4.2 | 3.9 | 16 | 16 | 0.8 |
| 20 | 40 | 7.0 | 4.0 | 6.5 | 16 | 0.9 |
| | 50 | 8.5 | 3.9 | 11 | 16 | 1.0 |
| | 63 | 9.0 | 4.5 | 16 | – | 1.4 |
| 25 | 50 | 10 | – | – | 16 | 1.2 |
| | 63 | 18 | 4.5 | 11 | 16 | 1.8 |
| | 80 | 18 | 5.0 | 16 | 16 | 2.2 |
| 32 | 63 | 25 | 4.5 | 6 | 16 | 2.2 |
| | 80 | 27 | 5.0 | 14 | 16 | 3.1 |
| 40 | 63 | 35 | – | – | 16 | 2.7 |
| | 80 | 38 | 5.0 | 9 | 16 | 3.5 |
| | 100 | 40 | 4.4 | 12.5 | – | 7.6 |
| | 125 | 40 | 3.2 | 16 | – | 9.0 |
| 50 | 63 | 49 | – | – | 13 | 4.0 |
| | 80 | 52 | – | – | 15 | 4.8 |
| | 100 | 55 | 4.4 | 7.2 | – | 7.0 |
| | 125 | 55 | 3.2 | 10 | – | 9.4 |
| 65 | 80 | 77 | – | – | 15 | 6.4 |
| | 125 | 90 | 3.2 | 5.2 | – | 11.0 |

Kv value water [$m^3/h$]: Measured at +20 °C, 1 bar pressure at valve inlet and free outlet
Pressure values [bar]: Measured as overpressure to the atmospheric pressure

### Pilot pressure diagram with control function B and flow direction below seat

**Diagram 1**

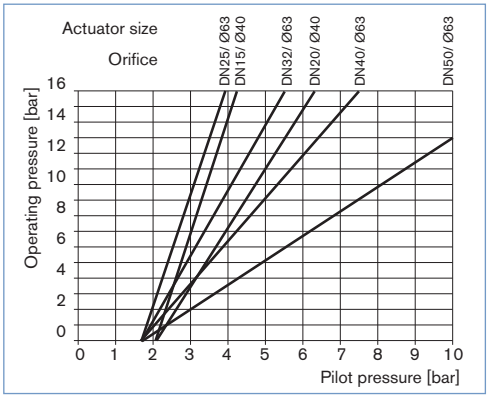
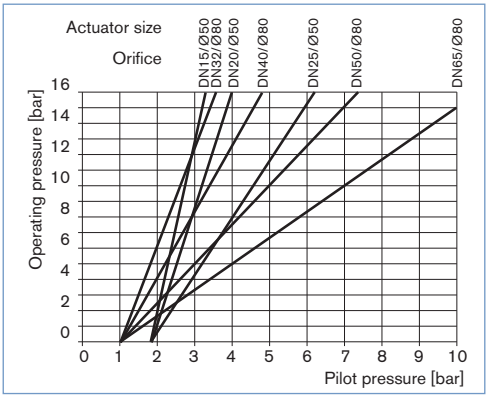


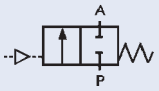
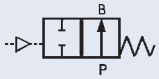

**Diagram 2**




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## Ordering chart Type 2000 threaded port, flow direction below the seat (for gases and liquid)

### Different actuator and body materials

| Control function | Port connection | Orifice [mm] | Actuator size Ø [mm] | Kv value water [m³/h] | Minimum pilot pressure [bar] | Max. operating pressure up to 180 °C [bar] | Gunmetal body | | Cast st. st. body | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Item no. PA actuator | Item no. PPS actuator | Item no. PA actuator | Item no. PPS actuator |
| **A** 2/2-way, normally closed (NC)   | G 3/8 | 15 | 40 | 3.7 | 4.0 | 15 | 178 614 | 178 613 | 142 613 | 178 612 |
| | G 1/2 | | 40 | 3.8 | 4.0 | 15 | 178 608 | 178 607 | 178 606 | 178 605 |
| | | | 50 | 4.2 | 3.9 | 16 | 178 684 | 178 683 | 178 682 | 178 681 |
| | G 3/4 | 20 | 50 | 8.5 | 3.9 | 11 | 178 680 | 178 679 | 178 678 | 178 677 |
| | | | 63 | 9.0 | 4.5 | 16 | 178 666 | 178 665 | 178 664 | 178 663 |
| | G 1 | 25 | 63 | 18 | 4.5 | 11 | 178 676 | 178 675 | 178 674 | 178 667 |
| | | | 80 | 18 | 5.0 | 16 | 186 489 | 187 565 | 186 488 | 187 844 |
| | G 1 1/4 | 32 | 80 | 27 | 5.0 | 14 | 178 699 | 178 698 | 178 697 | 178 696 |
| | G 1 1/2 | 40 | 80 | 38 | 5.0 | 9 | 178 695 | 178 694 | 178 693 | 178 692 |
| | | | 125 | 40 | 3.2 | 16 | 186 487 | – | 187 840 | – |
| | G 2 | 50 | 100 | 55.0 | 4.4 | 7.2 | 001 134 | 002 170 | 001 140 | 001 239 |
| | | | 125 | 55.0 | 3.2 | 10 | 001 593 | 002 171 | 001 601 | – |
| | G 2 1/2 | 65 | 125 | 90.0 | 3.2 | 5.2 | 001 368 | 002 172 | 001 373 | 001 703 |
| **B** 2/2-way, normally open (NO)   | G 3/8 | 15 | 40 | 3.7 | see diagram 1 and 2 on previous page | 16 | 140 368 | 178 610 | 142 616 | 178 609 |
| | G 1/2 | | 40 | 3.8 | | 16 | 178 601 | 178 602 | 178 603 | 178 604 |
| | | | 50 | 4.2 | | 16 | 178 691 | 178 690 | 178 689 | 178 688 |
| | G 3/4 | 20 | 50 | 8.5 | | 16 | 178 687 | 179 020 | 178 686 | 178 685 |
| | G 1 | 25 | 50 | 10 | | 16 | 178 850 | 178 849 | 178 848 | 178 847 |
| | G 1 1/4 | 32 | 63 | 25 | | 16 | 178 845 | 178 853 | 178 852 | 178 851 |
| | G 1 1/2 | 40 | 63 | 35 | | 16 | 178 864 | 178 863 | 178 862 | 178 861 |
| | G 2 | 50 | 63 | 49.0 | | 13 | 001 371 | 002 179 | 001 376 | 001 709 |
| | | | 80 | 52 | | 16 | 001 595 | 002 180 | 001 603 | 002 164 |
| | G 2 1/2 | 65 | 80 | 77.0 | | 15 | 001 372 | 002 181 | 001 377 | 001 710 |

### Further versions on request

**Material**
Seal: NBR, FKM, EPDM

**Control function**
Double-acting actuator

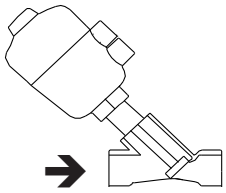
**Port connections**
Clamp, weld end (see separate datasheets)

**Approvals**
GL, SIL

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

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## Technical data Type 2000 threaded port, flow direction above seat (only for gas and steam)



**Flow direction above seat**

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

| Orifice [mm] | Actuator size [mm] | Kv value water ($m^3/h$) | Max. operating pressure up to 180° C | Weight [kg] |
|---|---|---|---|---|
| 15 | 40 | 3.7 | 16 | 0.8 |
| | 50 | 4.2 | 16 | 0.8 |
| 20 | 40 | 7.9 | 16 | 0.9 |
| | 50 | 8.0 | 16 | 1.0 |
| 25 | 50 | 14.5 | 16 | 1.2 |
| | 63 | 19.0 | 16 | 1.8 |
| 32 | 63 | 27.0 | 16 | 2.2 |
| 40 | 63 | 35.0 | 16 | 2.7 |
| | 80 | 38.0 | 16 | 3.5 |
| 50 | 63 | 49.0 | 16 | 4.0 |
| | 80 | 52.0 | 16 | 4.8 |
| 65 | 80 | 77.0 | 14 | 6.4 |
| | 100 | 90.0 | 15 | 8.6 |

Kv value water [$m^3/h$]: Measured at +20 °C, 1 bar pressure at valve inlet and free outlet
Pressure values [bar]: Measured as overpressure to the atmospheric pressure

| | |
|---|---|
| **Technical data** | Flow direction above seat (only for gases and steam) |
| **Medium** | Gaseous medium and steam |
| **Further technical data** | Please see information Technical data on page 1 |

### Pilot pressure diagram with control function A and flow direction above seat

**Diagram 3**

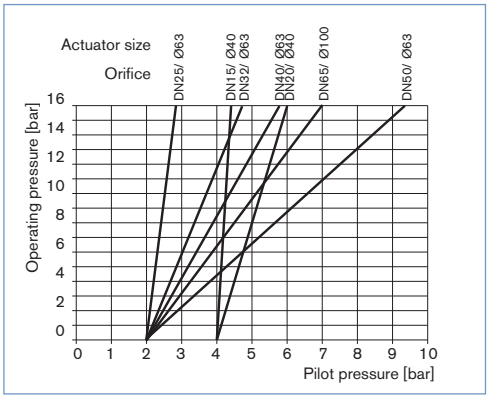
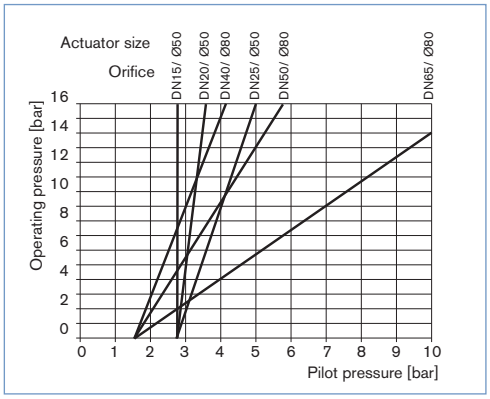


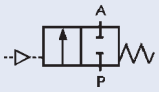

**Diagram 4**




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## Ordering chart Type 2000 threaded port, flow direction above the seat (only for gas and steam)

**Various actuator and body materials**
**Minimum pilot pressure depending on operating pressure,** please see diagram 3 and 4 on previous page

| Control function | Port connection | Orifice [mm] | Actuator size Ø [mm] | Kv value water [m³/h] | Max. operating pressure to 180°C [bar] | Gunmetal body: Item no. PA actuator | Gunmetal body: Item no. PPS actuator | Stainless steel body: Item no. PA actuator | Stainless steel body: Item no. PPS actuator |
|---|---|---|---|---|---|---|---|---|---|
| **A** 2/2-way, normally closed (NC)   | G 3/8 | 15 | 40 | 3.7 | 16 | 186 588 | ■ | 142 615 | ■ |
| | G 1/2 | | 50 | 4.2 | 16 | 183 939 | 186 106 | 186 376 | 186 467 |
| | G 3/4 | 20 | 40 | 7.9 | 16 | 186 822 | ■ | 187 672 | ■ |
| | | | 50 | 8.0 | 16 | 185 356 | 180 374 | 185 304 | 180 375 |
| | G 1 | 25 | 50 | 14.5 | 16 | 186 380 | 187 556 | 186 729 | 187 872 |
| | | | 63 | 18.0 | 16 | 178 860 | 178 859 | 178 857 | 178 856 |
| | G 1 1/4 | 32 | 63 | 25.0 | 16 | 178 855 | 178 854 | 178 893 | 178 892 |
| | G 1 1/2 | 40 | 63 | 35.0 | 16 | 178 896 | 178 897 | 178 895 | 178 894 |
| | G 2 | 50 | 63 | 49.0 | 16 | 001 251 | 002 149 | 001 401 | 002 158 |
| | G 2 1/2 | 65 | 80 | 77.0 | 14 | 001 398 | 002 151 | 001 402 | 002 160 |
| | | | 100 | 90.0 | 15 | 130 332 | 186 344 | 130 333 | – |

■ on request

### Further versions on request

**Material**
Seal: NBR, FKM, EPDM

**Control function**
Double-acting actuator

**Port connections**
Clamp, weld end (see separate datasheets)

**Approvals**
GL, 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] | QNn 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 |
| 40 | 6012P | G 1/4 | G 1/8 | 1.2 | 48 | 0-10 | Form B | 4 | 552 295 | 552 298 |
| 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

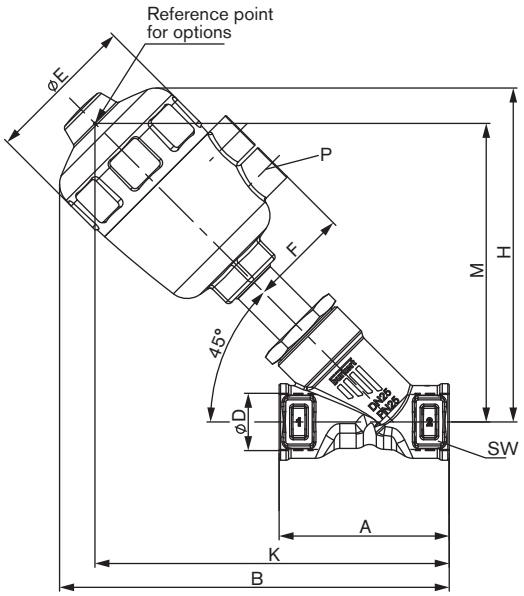
| | Item no. |
|---|---|
| Type 2507, Form B Industrial standard, 0 to 250 V without circuitry (Type 6012 P) | 423 845 |
| Type 2508, Form A acc. DIN EN 175301-803, 0 to 250 V without circuitry (Type 6014 P, Type 0331P) | 008 376 |

For further accessories see datasheet for 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 mm. Please request the accessories datasheet Type 2XXX.

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## Dimensions Type 2000 threaded port [mm]




| Orifice | Actuator size Ø | Port connection D | A | B | Ø E | H | K | M | P | SW |
|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 40 | G 3/8 | 65 | 139 | 53 | 115 | 125 | 100 | G 1/8 | 27 |
| | | G 1/2 | | 139 | 53 | 115 | 125 | 100 | G 1/8 | |
| | 50 | G 3/8 | | 163 | 64 | 140 | 147 | 123 | G 1/4 | |
| | | G 1/2 | | 163 | 64 | 140 | 147 | 123 | G 1/4 | |
| 20 | 40 | G 3/4 | 75 | 147 | 53 | 120 | 133 | 106 | G 1/8 | 34 |
| | 50 | | | 171 | 64 | 144 | 155 | 129 | G 1/4 | |
| | 63 | | | 198 | 80 | 171 | 179 | 152 | G 1/4 | |
| 25 | 50 | G 1 | 90 | 181 | 64 | 152 | 166 | 136 | G 1/4 | 41 |
| | 63 | | | 206 | 80 | 177 | 188 | 158 | G 1/4 | |
| | 80 | | | 228 | 101 | 198 | 204 | 173 | G 1/4 | |
| 32 | 63 | G 1 1/4 | 110 | 219 | 80 | 183 | 200 | 164 | G 1/4 | 50 |
| | 80 | | | 240 | 101 | 205 | 217 | 180 | G 1/4 | |
| | 100 | | | 292 | 127 | 255 | 261 | 226 | G 1/4 | |
| 40 | 63 | G 1 1/2 | 120 | 222 | 80 | 188 | 203 | 170 | G 1/4 | 55 |
| | 80 | | | 244 | 101 | 209 | 220 | 185 | G 1/4 | |
| | 100 | | | 295 | 127 | 260 | 264 | 230 | G 1/4 | |
| | 125 | | | 324 | 153 | 289 | 287 | 253 | G 1/4 | |
| 50 | 63 | G 2 | 150 | 249 | 80 | 204 | 230 | 185 | G 1/4 | 70 |
| | 80 | | | 270 | 101 | 225 | 246 | 201 | G 1/4 | |
| | 100 | | | 317 | 127 | 272 | 287 | 242 | G 1/4 | |
| | 125 | | | 347 | 153 | 302 | 310 | 265 | G 1/4 | |
| 65 | 63 | G 2 1/2 | 185 | 275 | 80 | 218 | 256 | 199 | G 1/4 | 85 |
| | 80 | | | 296 | 101 | 239 | 272 | 215 | G 1/4 | |
| | 100 | | | 344 | 127 | 287 | 314 | 257 | G 1/4 | |
| | 125 | | | 374 | 153 | 317 | 337 | 280 | G 1/4 | |

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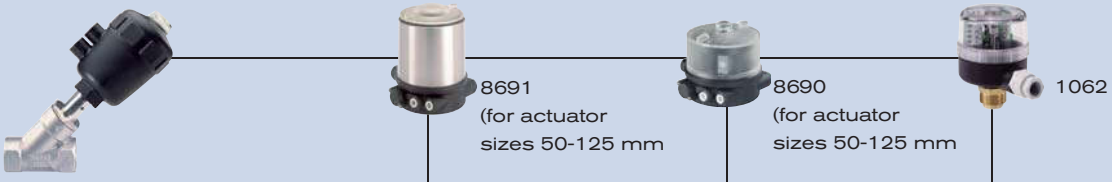
## Ordering information for valve system On/Off Classic Type 8801-YA/8803-YA

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).
For the configuration of further valve systems please use the "Request for quotation" on p. 12 go to page
You order two components and receive a complete assembled and certified valve.

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

**Angle-seat valve**
**Type 2000 threaded port**

**Control units**




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

For port connections weld end and clamp, see separate datasheets



**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**

When you 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 8691**



AS-i DeviceNet™

The new generation of integrated control heads for combination with actuators from the process valve series Type 20xx/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:
- 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

**Pneumatic control unit Type 8690**



The new generation of integrated controllers for combination with actuators from the process valve series Type 20xx/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:
- 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

**Electrical Position Feedback Type 1062**



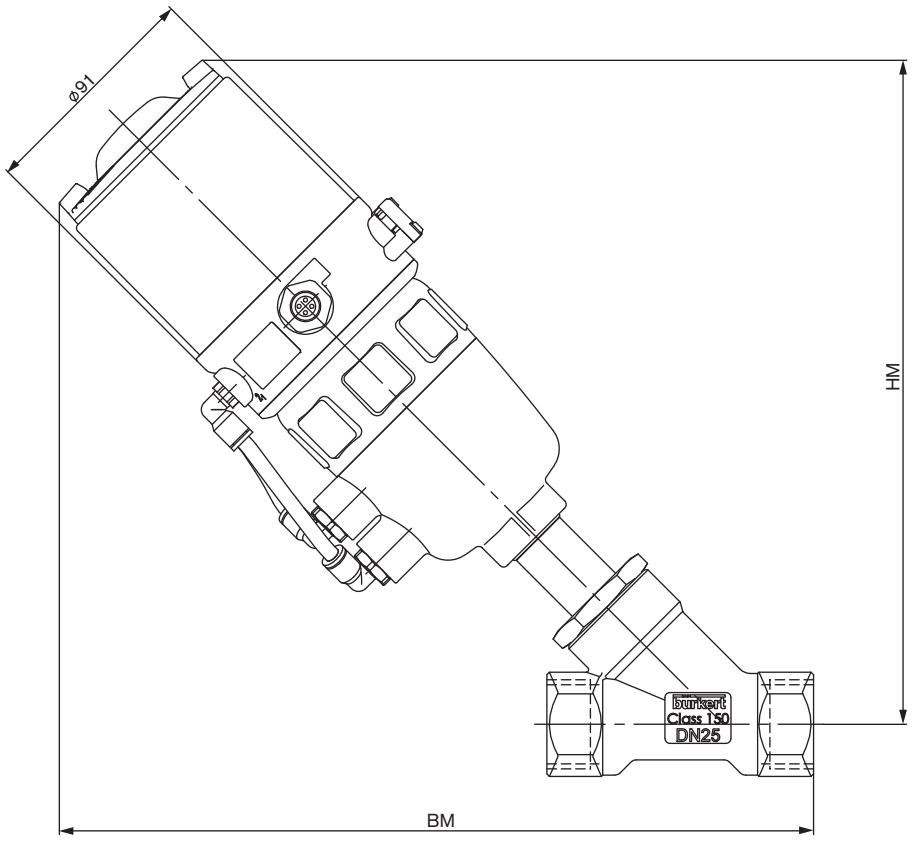
Positions are electrically signalized according to switch type:
- open,
- closed or
- open and closed.

LEDs provide optical position indication (except for Namur Ex-version). Mechanical or inductive switches are housed in a compact splash-proof enclosure. The position indicator can be rotated 360° and is easily fitted to the valve. Trip cams do not require adjustment. The unit only needs to be screwed on and connected to be ready for operation.

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## Dimensions for valve system On/Off Classic Type 8801-YE-H [mm]

### Dimensions valve system On/Off Classic Type 8801-YA-H with TopControl Type 8691 [mm]

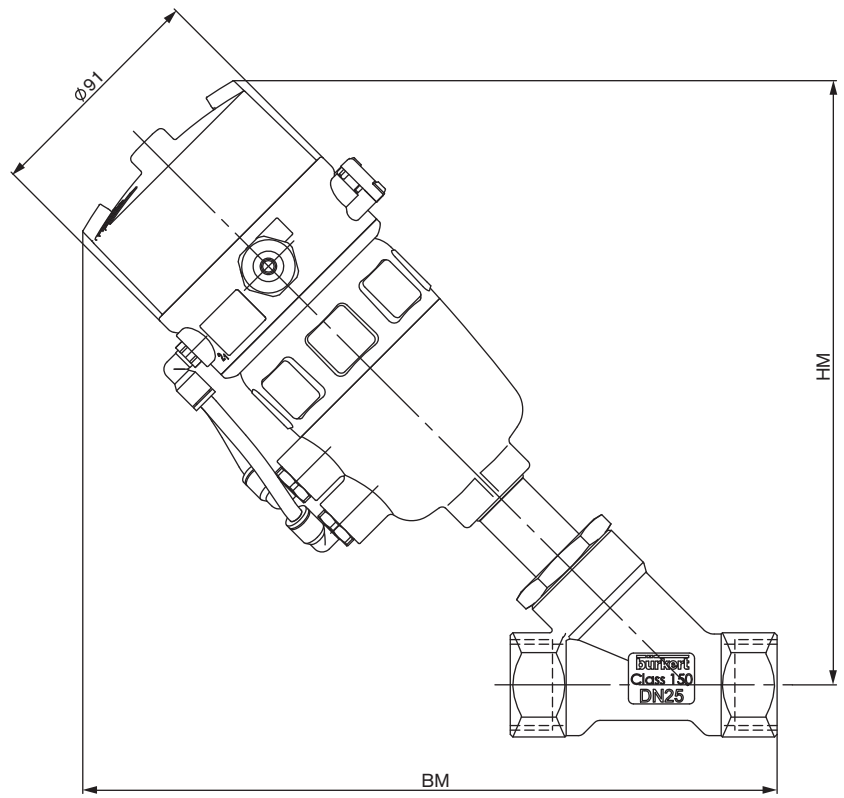



| Orifice [mm] | Actuator size [mm] | HM [mm] | BM [mm] |
|---|---|---|---|
| 15 | 50 | 229 | 259 |
| 20 | 50 | 233 | 268 |
| | 63 | 256.5 | 291.5 |
| 25 | 50 | 241 | 277 |
| | 63 | 262.5 | 298.5 |
| | 80 | 278.5 | 314.5 |
| 32 | 63 | 268.5 | 309.5 |
| | 80 | 285.5 | 326.5 |
| 40 | 63 | 273.5 | 312.5 |
| | 80 | 289.5 | 329.5 |
| | 100 | 334.5 | 373.5 |
| | 125 | 356.5 | 396.5 |
| 50 | 63 | 289.5 | 334.5 |
| | 80 | 305.5 | 350.5 |
| | 100 | 346.5 | 391.5 |
| | 125 | 369.5 | 414.5 |
| 65 | 80 | 319.5 | 376.5 |
| | 125 | 384.5 | 441.5 |

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## Dimensions for valve system On/Off Classic Type 8801-YE-K [mm]

### Dimensions valve system On/Off Classic Type 8801-YA-K with TopControl Type 8690 [mm]

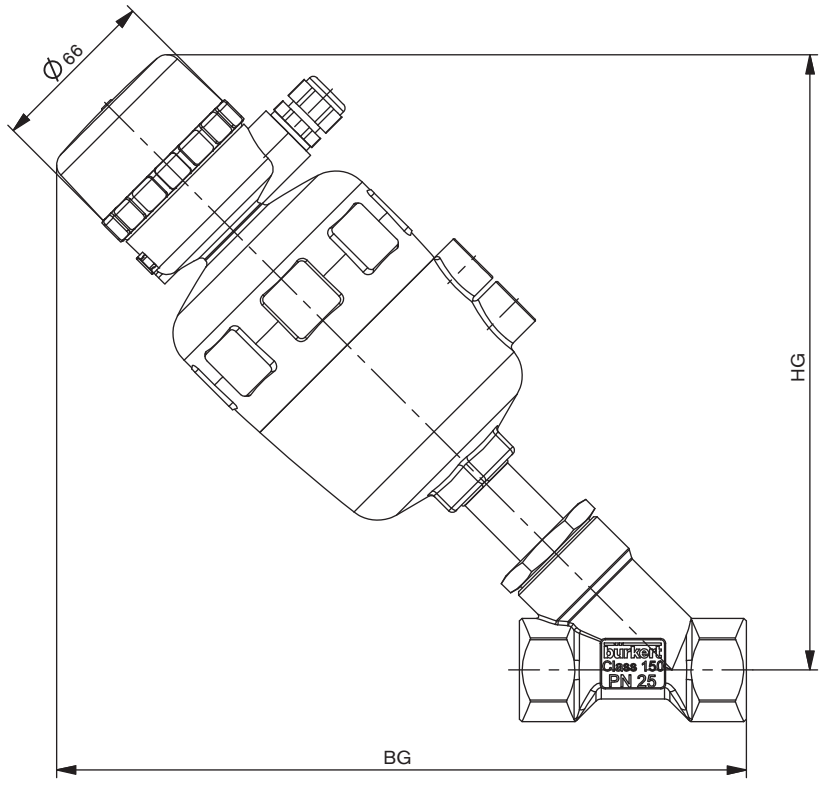



| Orifice [mm] | Actuator size [mm] | HM [mm] | BM [mm] |
|---|---|---|---|
| 15 | 50 | 205 | 235 |
| 20 | 50 | 209 | 244 |
| | 63 | 233 | 268 |
| 25 | 50 | 217 | 253 |
| | 63 | 239 | 275 |
| | 80 | 254.5 | 290.5 |
| 32 | 63 | 245 | 286 |
| | 80 | 261.5 | 302.5 |
| 40 | 63 | 250 | 289 |
| | 80 | 265.5 | 305.5 |
| | 100 | 310.5 | 349.5 |
| | 125 | 332.5 | 372.5 |
| 50 | 63 | 266 | 311 |
| | 80 | 281.5 | 326.5 |
| | 100 | 322.5 | 367.5 |
| | 125 | 345.5 | 390.5 |
| 65 | 80 | 295.5 | 352.5 |
| | 125 | 360.5 | 417.5 |

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## Dimensions for valve system On/Off Classic Type 8803-YA [mm]

**Dimensions valve system On/Off Classic Type 8803-YA with electrical position feedback Type 1062 [mm]**




| Orifice [mm] | Actuator size ø [mm] | HG [mm] | BG [mm] |
|---|---|---|---|
| 15 | 40 | 179 | 203 |
| | 50 | 191 | 218 |
| 20 | 40 | 184 | 210 |
| | 50 | 199 | 222 |
| | 63 | 221 | 247 |
| 25 | 50 | 200 | 230 |
| | 63 | 222 | 251 |
| | 80 | 238 | 267 |
| 32 | 63 | 238 | 278 |
| | 80 | 256 | 301 |
| 40 | 63 | 241 | 281 |
| | 80 | 259 | 295 |
| | 100 | 302 | 342 |
| | 125 | 323 | 363 |
| 50 | 63 | 256 | 301 |
| | 80 | 271 | 316 |
| | 100 | 314 | 359 |
| | 125 | 337 | 382 |
| 65 | 63 | 270 | 327 |
| | 80 | 285 | 342 |
| | 100 | 329 | 386 |
| | 125 | 352 | 409 |

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# Valve system On/Off Classic Type 8801-YA/8803-YA – request for quotation

Please fill out and fax to (901) 357-1379 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 medium** | ☐ Liquid | ☐ Steam | ☐ Gas | |
| | | standard | unit | |
| ■ **Flow rate (Q, $Q_N$, W)** [1] | | | | |
| ■ **Temperature at valve inlet** | | | | |
| ■ **Absolute pressure at valve inlet** | | | | |

[1] standard unit: Liquid Q = $m^3/h$; Steam W = kg/h; Gas $Q_N$ = $Nm^3/h$

## Valve features

| | | | | | |
|---|---|---|---|---|---|
| **Actuator material** | ☐ PA | ☐ PPS | | | |
| **Body material** | ☐ Stainless steel | ☐ Gunmetal | | | |
| **Seat sealing material** | ☐ PTFE | ☐ NBR | ☐ Other | | |
| **Nominal pressure** | PN | | | | |
| **Nominal size** | DN | | | | |
| **Type of connection** | ☐ Welded | ☐ Internal thread | ☐ Clamp | | |
| **Standard connection** | ☐ ISO | ☐ DIN | ☐ ANSI | ☐ JIS | ☐ Other |
| **Function** | ☐ NC[2] | ☐ NO [2] | ☐ Double-acting | | |
| **Pilot pressure** | min. | | max. | | |

[2] 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 datasheet.

### Pneumatic Control Unit

☐ **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:**

### Control Head

☐ **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**
☐ 24 V / 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:**

### Electrical position feedback

☐ **Type 1062**

**Limit switches**
☐ mechanical
☐ Voltage 12-48 V
☐ Voltage 110-250 V
☐ inductive
☐ NAMUR EExi

**Status**
☐ closed
☐ open
☐ open/closed

**Please specify item no. if known:**

*continued on next page* →

Reset form

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## Valve system On/Off Classic Type 8801-YA/8803-YA – request for quotation, *continued*

### Control unit features

| Pilot valve | Stroke limitation |
|---|---|
| ☐ **Pilot valve** | ☐ **Stroke limitation** |
| **Power supply** ☐ | ☐ **Min./max. stroke limitation,** with visual position indicator<br>☐ **Max. stroke limitation,** without visual position indicator |
| **Please specify item no. if known:** ☐ | **Please specify item no. if known:** ☐ |

### Certifications

- ☐ Attestation of compliance with the order EN-ISO 10204 2.1
- ☐ Test report EN-ISO 10204 2.2
- ☐ Certification of Conformity for Raw Material EN-ISO 10204 3.1
- ☐ EN161 (European Gas Device guideline)

### Comment / sketch

DTS 1000100997 EN Version: P Status: RL (released | freigegeben | validé) printed: 29.08.2013


Subject to alterations.
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