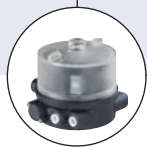




2/2-way Angle-Seat Valve with stainless steel design for medium up to +185°C, DN 15-65

- High flow rates
- High cycle life
- Flow optimised body in stainless steel
- 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 2100 threaded 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 2100 angle-seat 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.

An explosion-proof version is also available.

| Technical data | |
|----------------------------|--|
| Orifice | DN15 to DN65 |
| Port connections | Threaded Weld and Clamp |
| | G 1/2 to G 2 1/2, see separate data sheet |
| Body material | Casted 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) 0 to +100°C (threaded 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
Type 2100

Technical data & ordering info. p. 1-7



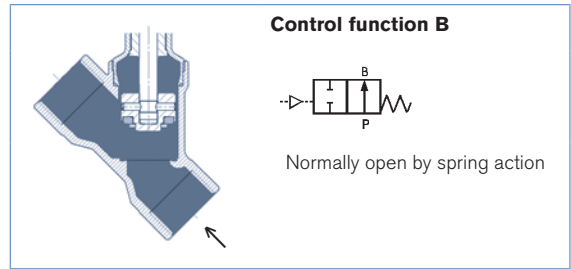
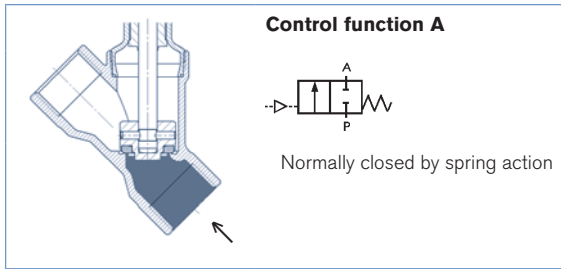
System spec. On/Off ELEMENT
Type 8801-YE

Technical data & ordering info. p. 8-12

Request for quotation
Type 8801-YE

p.13

Technical data angle seat valve Type 2100 flow direction below the seat (for gases and liquids)



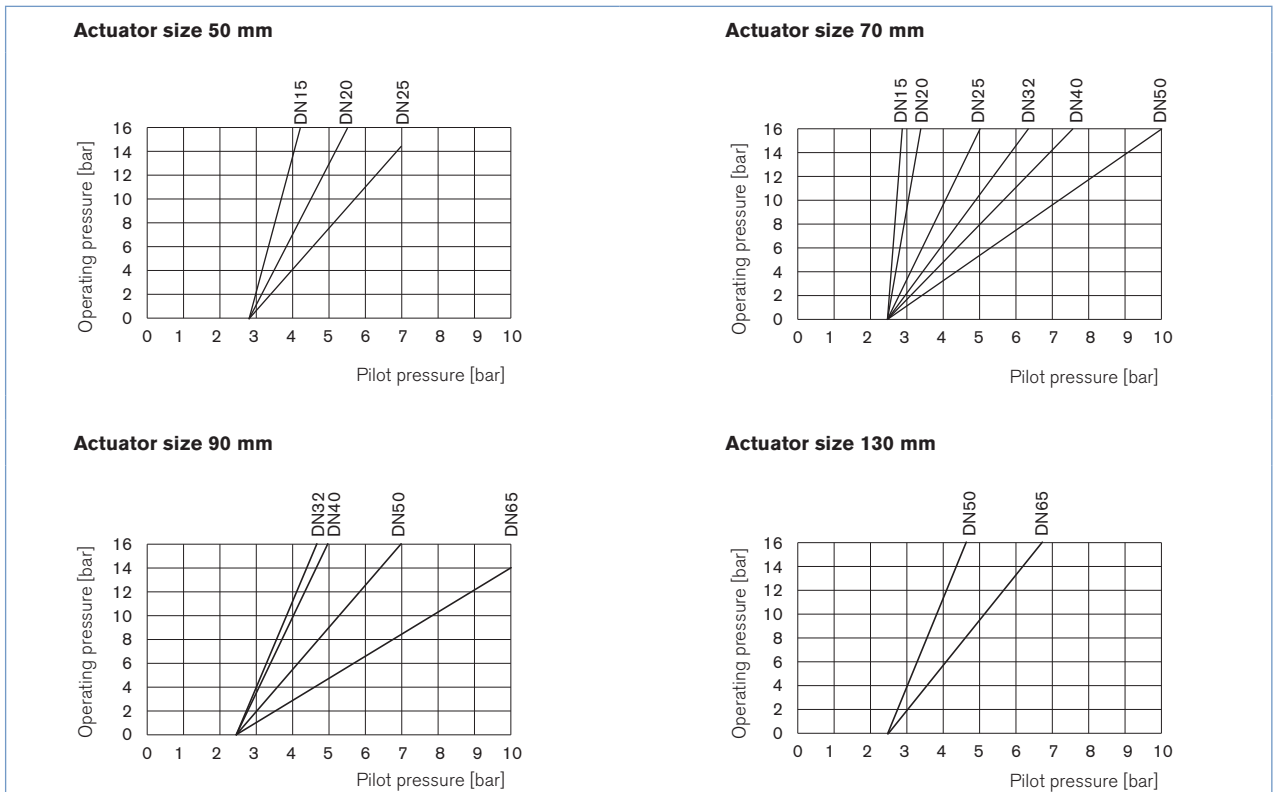
| Orifice [mm] | Actuator size [mm] | Kv value water (m³/h) | Minimum pilot pressure CFA [bar] | Operating pressure up to +185°C CFA [bar] | CFB [bar] |
|--------------|--------------------|-----------------------|----------------------------------|---|-----------|
| 15 | 50 | 5 | 5.2 | 25 | 16 |
| | 70 | 5 | 5.0 | 25 | 16 |
| 20 | 50 | 10 | 5.2 | 16 | 16 |
| | 70 | 11 | 5.0 | 20 | 16 |
| 25 | 50 | 15 | 5.2 | 9 | 14.5 |
| | 70 | 18 | 5.0 | 16 | 16 |
| 32 | 70 | 27 | 5.0 | 8.5 | 16 |
| | 90 | 28 | 5.0 | 16 | 16 |
| 40 | 70 | 38 | 5.0 | 6 | 16 |
| | 90 | 40 | 5.0 | 16 | 16 |
| 50 | 70 | 52 | – | – | 16 |
| | 90 | 55 | 5.0 | 10 | 16 |
| | 130 | 62 | 5.0 | 16 | 16 |
| 65 | 90 | 85 | 5.0 | 5 | 14 |
| | 130 | 95 | 5.6 | 16 (15*) | 16 (15*) |

* 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)

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

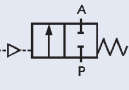
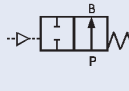
Pressure valves [bar]: Overpressure to the atmospheric pressure

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

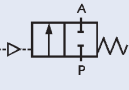
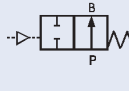


Ordering chart Type 2100, flow direction below the seat (for gases and liquids)

G threaded port, flow direction below the seat

| Control function | Orifice (mm) | Actuator size ϕ [mm] | Threaded port connection | 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 | G 1/2" | 5.2 | 25 | 213 619 | 259 510 |
| | | 70 | G 1/2" | 5.0 | 25 | 213 620 | 259 511 |
| | 20 | 50 | G 3/4" | 5.2 | 16 | 227 616 | 259 513 |
| | | 70 | G 3/4" | 5.0 | 20 | 213 621 | 259 515 |
| | 25 | 50 | G 1" | 5.2 | 9 | 227 617 | 259 516 |
| | | 70 | G 1" | 5.0 | 16 | 213 622 | 259 517 |
| | 32 | 70 | G 1 1/4" | 5.0 | 8.5 | 213 623 | 259 519 |
| | | 90 | G 1 1/4" | 5.0 | 16 | 213 624 | 259 521 |
| | 40 | 70 | G 1 1/2" | 5.0 | 6 | 213 625 | 259 523 |
| | | 90 | G 1 1/2" | 5.0 | 16 | 213 627 | 259 524 |
| | 50 | 90 | G 2" | 5.0 | 10 | 175 108 | 259 525 |
| | | 130 | G 2" | 5.0 | 16 | 188 610 | 259 526 |
| | 65 | 90 | G 2 1/2" | 5.0 | 5 | 239 456 | 259 527 |
| | | 130 | G 2 1/2" | 5.6 | 16 (15*) | 239 472 | 259 530 |
| B 2/2-way valve, NO  | 15 | 50 | G 1/2" | see chart on p. 2 | 16 | 213 637 | 259 531 |
| | | 70 | G 1/2" | | 16 | 213 638 | 259 532 |
| | 20 | 50 | G 3/4" | | 16 | 213 639 | 259 533 |
| | | 70 | G 3/4" | | 16 | 213 640 | 259 535 |
| | 25 | 70 | G 1" | | 16 | 213 641 | 259 537 |
| | 32 | 70 | G 1 1/4" | | 16 | 213 642 | 259 538 |
| | 40 | 70 | G 1 1/2" | | 16 | 213 643 | 259 539 |
| | 50 | 70 | G 2" | | 16 | 175 123 | 259 540 |
| | 65 | 90 | G 2 1/2" | | 14 | 239 464 | 259 565 |
| | | 130 | G 2 1/2" | | 16 (15*) | 239 479 | 259 566 |

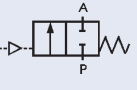
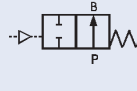
NPT threaded port, flow direction below the seat

| Control function | Orifice (mm) | Actuator size ϕ [mm] | Threaded port connection | Minimum pilot pressure [bar] | Operating pressure up to +185°C [bar] | Item no. |
|---|--------------|---------------------------|--------------------------|------------------------------|---------------------------------------|----------|
| A 2/2-way valve, NC  | 15 | 50 | NPT 1/2" | 5.2 | 25 | 213 644 |
| | | 70 | NPT 1/2" | 5.0 | 25 | 213 645 |
| | 20 | 50 | NPT 3/4" | 5.2 | 16 | 227 618 |
| | | 70 | NPT 3/4" | 5.0 | 20 | 213 646 |
| | 25 | 50 | NPT 1" | 5.2 | 9 | 227 619 |
| | | 70 | NPT 1" | 5.0 | 16 | 213 647 |
| | 32 | 70 | NPT 1 1/4" | 5.0 | 8.5 | 213 648 |
| | | 90 | NPT 1 1/4" | 5.0 | 16 | 213 649 |
| | 40 | 70 | NPT 1 1/2" | 5.0 | 6 | 213 650 |
| | | 90 | NPT 1 1/2" | 5.0 | 16 | 213 651 |
| | 50 | 90 | NPT 2" | 5.0 | 10 | 188 641 |
| | | 130 | NPT 2" | 5.0 | 16 | 188 642 |
| | 65 | 90 | NPT 2 1/2" | 5.0 | 5 | 239 457 |
| | | 130 | NPT 2 1/2" | 5.6 | 16 (15*) | 239 473 |
| B 2/2-way valve, NO  | 15 | 50 | NPT 1/2" | see chart on p. 2 | 16 | 213 661 |
| | | 70 | NPT 1/2" | | 16 | 213 662 |
| | 20 | 50 | NPT 3/4" | | 16 | 213 663 |
| | | 70 | NPT 3/4" | | 16 | 213 664 |
| | 25 | 70 | NPT 1" | | 16 | 213 665 |
| | 32 | 70 | NPT 1 1/4" | | 16 | 213 666 |
| | 40 | 70 | NPT 1 1/2" | | 16 | 213 667 |
| | 50 | 70 | NPT 2" | | 16 | 188 656 |
| | 65 | 90 | NPT 2 1/2" | | 14 | 239 465 |
| | | 130 | NPT 2 1/2" | | 16 (15*) | 239 480 |

* 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)

Ordering chart Type 2100, flow direction below the seat (for gases and liquids), *continued*

RC threaded port, flow direction below the seat

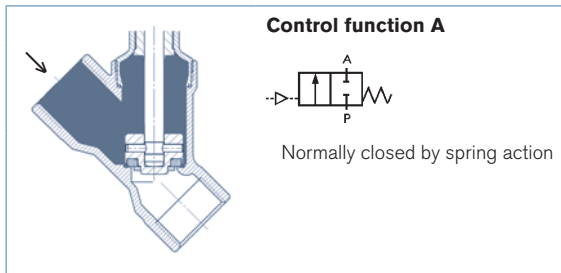
| Control function | Orifice (mm) | Actuator size \varnothing [mm] | Threaded port connection | Minimum pilot pressure [bar] | Operating pressure up to +185°C [bar] | Item no. |
|---|--------------|----------------------------------|--------------------------|------------------------------|---------------------------------------|----------|
| A 2/2-way valve, NC  | 15 | 50 | RC 1/2" | 5.2 | 25 | 213 668 |
| | | 70 | RC 1/2" | 5.0 | 25 | 213 669 |
| | 20 | 50 | RC 3/4" | 5.2 | 16 | 227 621 |
| | | 70 | RC 3/4" | 5.0 | 20 | 213 670 |
| | 25 | 50 | RC 1" | 5.2 | 9 | 227 622 |
| | | 70 | RC 1" | 5.0 | 16 | 213 671 |
| | 32 | 70 | RC 1 1/4" | 5.0 | 8.5 | 213 672 |
| | | 90 | RC 1 1/4" | 5.0 | 16 | 213 673 |
| | 40 | 70 | RC 1 1/2" | 5.0 | 6 | 213 674 |
| | | 90 | RC 1 1/2" | 5.0 | 16 | 213 675 |
| | 50 | 90 | RC 2" | 5.0 | 10 | 188 664 |
| | | 130 | RC 2" | 5.0 | 16 | 188 665 |
| | 65 | 90 | RC 2 1/2" | 5.0 | 5 | 239 458 |
| | | 130 | RC 2 1/2" | 5.6 | 16 (15*) | 239 474 |
| B 2/2-way valve, NO  | 15 | 50 | RC 1/2" | see chart on p. 2 | 16 | 213 685 |
| | | 70 | RC 1/2" | | 16 | 213 686 |
| | 20 | 50 | RC 3/4" | | 16 | 213 687 |
| | | 70 | RC 3/4" | | 16 | 213 688 |
| | 25 | 70 | RC 1" | | 16 | 213 689 |
| | | 32 | 70 | | RC 1 1/4" | 16 |
| | 40 | 70 | RC 1 1/2" | | 16 | 213 691 |
| | | 50 | 70 | | RC 2" | 16 |
| | 65 | 90 | RC 2 1/2" | | 14 | 239 466 |
| | | 130 | RC 2 1/2" | | 16 (15*) | 239 481 |

* 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**
I (double-acting)

Technical data angle seat valve Type 2100 flow direction above the seat (for gases and steam)

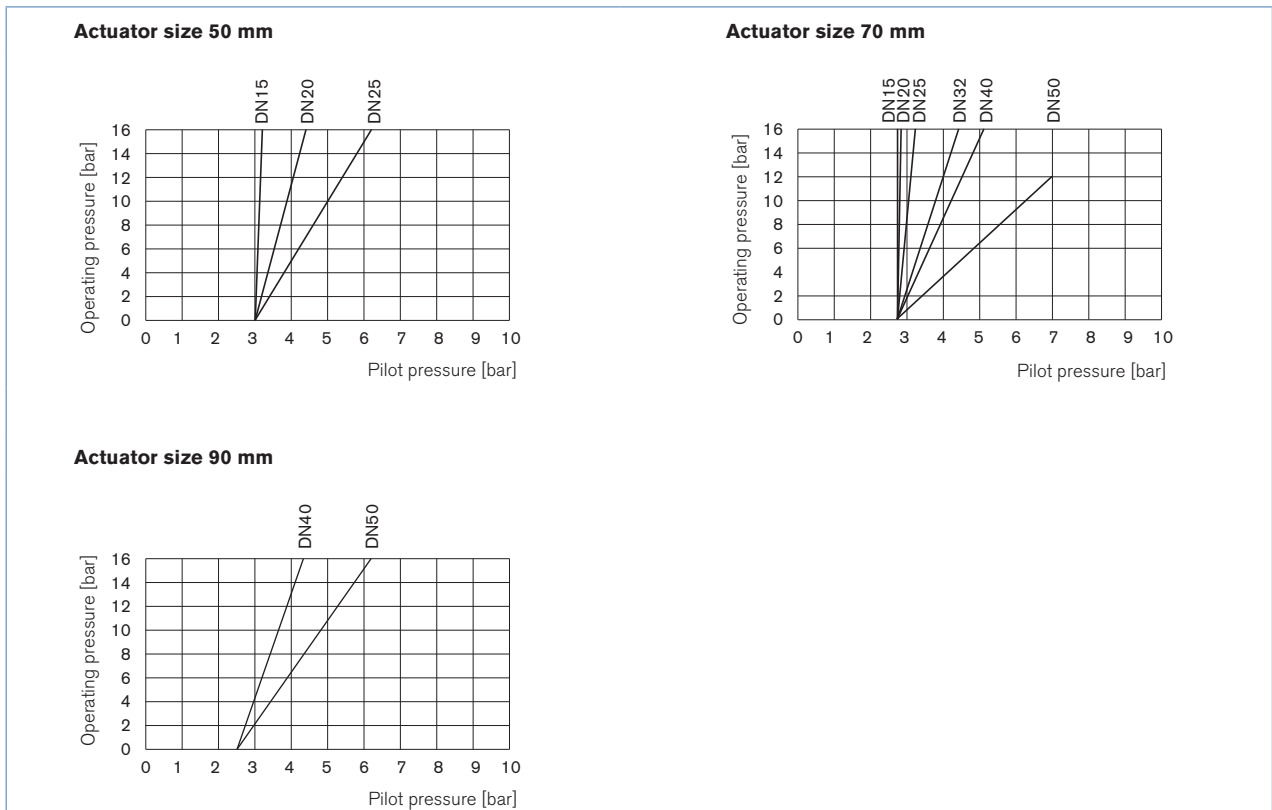


Valves with flow above the seat are only conditionally usable for liquid medium. There is a danger of waterhammer!

| Orifice [mm] | Actuator size [mm] | Kv value water (m³/h) | Operating pressure up to +185°C CFA [bar] |
|--------------|--------------------|-----------------------|---|
| 15 | 50 | 5 | 16 |
| | 70 | 5.1 | 16 |
| 20 | 50 | 10 | 16 |
| | 70 | 12 | 16 |
| 25 | 50 | 15 | 16 |
| | 70 | 19 | 16 |
| 32 | 70 | 28 | 16 |
| 40 | 70 | 38 | 16 |
| | 90 | 40 | 16 |
| 50 | 70 | 50 | 12 |
| | 90 | 55 | 16 |

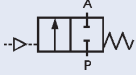
Flow rate: Kv value water [m³/h]: Measured at +20°C, 1 bar pressure at valve inlet and free outlet.
Pressure valves [bar]: Overpressure to the atmospheric pressure

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

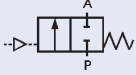


Ordering chart Type 2100 flow direction above the seat (for gases and steam)

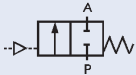
G threaded port, flow direction above the seat

| Control function | Orifice (mm) | Actuator size ϕ [mm] | Threaded port connection | 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 | G 1/2" | see chart on p. 5 | 16 | 213 628 | 259 567 |
| | | 70 | G 1/2" | | 16 | 213 629 | 259 568 |
| | 20 | 50 | G 3/4" | | 16 | 213 630 | 259 569 |
| | | 70 | G 3/4" | | 16 | 213 631 | 259 571 |
| | 25 | 50 | G 1" | | 16 | 213 632 | 259 573 |
| | | 70 | G 1" | | 16 | 213 633 | 259 575 |
| | 32 | 70 | G 1 1/4" | | 16 | 213 634 | 259 576 |
| | | 40 | 70 | | G 1 1/2" | 16 | 213 635 |
| | 50 | | 90 | | G 1 1/2" | 16 | 213 636 |
| | | 70 | G 2" | | 12 | 175 115 | 259 579 |
| | 90 | G 2" | 16 | | 175 116 | 259 580 | |

NPT threaded port, flow direction above the seat

| Control function | Orifice (mm) | Actuator size ϕ [mm] | Threaded port connection | Minimum pilot pressure [bar] | Operating pressure up to +185°C [bar] | Item no. |
|---|--------------|---------------------------|--------------------------|------------------------------|---------------------------------------|----------|
| A 2/2-way valve. NC  | 15 | 50 | NPT 1/2" | see chart on p. 5 | 16 | 213 652 |
| | | 70 | NPT 1/2" | | 16 | 213 653 |
| | 20 | 50 | NPT 3/4" | | 16 | 213 654 |
| | | 70 | NPT 3/4" | | 16 | 213 655 |
| | 25 | 50 | NPT 1" | | 16 | 213 656 |
| | | 70 | NPT 1" | | 16 | 213 657 |
| | 32 | 70 | NPT 1 1/4" | | 16 | 213 658 |
| | 40 | 70 | NPT 1 1/2" | | 16 | 213 659 |
| | 50 | 70 | NPT 2" | | 12 | 188 649 |

RC threaded port, flow direction above the seat

| Control function | Orifice (mm) | Actuator size ϕ [mm] | Threaded port connection | Minimum pilot pressure [bar] | Operating pressure up to +185°C [bar] | Item no. |
|--|--------------|---------------------------|--------------------------|------------------------------|---------------------------------------|----------|
| A 2/2-way valve. NC  | 15 | 50 | RC 1/2" | see chart on p. 5 | 16 | 213 676 |
| | | 70 | RC 1/2" | | 16 | 213 677 |
| | 20 | 50 | RC 3/4" | | 16 | 213 678 |
| | | 70 | RC 3/4" | | 16 | 213 679 |
| | 25 | 50 | RC 1" | | 16 | 213 680 |
| | | 70 | RC 1" | | 16 | 213 681 |
| | 32 | 70 | RC 1 1/4" | | 16 | 213 682 |
| | 40 | 70 | RC 1 1/2" | | 16 | 213 683 |
| | 50 | 70 | RC 2" | | 12 | 188 672 |

Materials angle seat valve Type 2100

| | | |
|-----------|-----------------------------------|--|
| A | Ground terminal | Stainless steel 1.4301/1.4305 <i>Only for the ATEX version</i> |
| 1 | Optical position indicator | Transparent cap polysulfone PSU |
| 2 | Pilot air ports | Push-in connector PP (standard) <i>On request:</i> Thread G1/8" 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 | Pipe | Stainless steel 1.4401 (316)/1.4404 (316L) |
| 8 | Spindle packing | PTFE |
| 9 | Spindle | Stainless steel 1.4401 (316)/1.4404 (316L) |
| 10 | Spindle guide | PEEK |
| 11 | Swivel plate | Stainless steel 1.4401 (316)/1.4404 (316L) |
| 12 | Seals | PTFE |
| 13 | Valve body | Stainless steel 316L |

Lubricants for spindle packing and actuator are classified according NSF H1

Dimensions angle seat valve Type 2100 [mm]

Push-in connector for plastic tube - \varnothing 6/4 mm or thread G 1/8"

| Orifice [mm] | Actuator size [mm] | \varnothing A | F | G | R | HM | BM | CM | LM | SW | G D | E | NPT D | E | Rc D | E |
|--------------|--------------------|-----------------|------|-----|-------|-----|-----|------|-----|----|---------|----|-----------|------|----------|------|
| 15 | 50 | 64.5 | 19.8 | 6.1 | 17.15 | 158 | 185 | 24 | 65 | 27 | G 1/2 | 14 | NPT 1/2 | 13.7 | RC 1/2 | 13.2 |
| | 70 | 91 | 23.3 | 8.5 | 30.5 | 173 | 201 | | | | | | | | | |
| 20 | 50 | 64.5 | 19.8 | 6.1 | 17.15 | 166 | 195 | 27 | 75 | 34 | G 3/4 | 16 | NPT 3/4 | 14 | RC 3/4 | 14.5 |
| | 70 | 91 | 23.3 | 8.5 | 30.5 | 181 | 211 | | | | | | | | | |
| 25 | 50 | 64.5 | 19.8 | 6.1 | 17.15 | 172 | 204 | 29.5 | 90 | 41 | G 1 | 18 | NPT 1 | 16.8 | RC 1 | 16.8 |
| | 70 | 91 | 23.3 | 8.5 | 30.5 | 195 | 235 | | | | | | | | | |
| 32 | 70 | 91 | 23.3 | 8.5 | 30.5 | 195 | 235 | 36 | 110 | 50 | G 1 1/4 | 16 | NPT 1 1/4 | 17.3 | RC 1 1/4 | 19.1 |
| | 90 | 120 | 23.3 | 8.5 | 30.5 | 240 | 277 | | | | | | | | | |
| | 70 | 91 | 23.3 | 8.5 | 30.5 | 197 | 236 | | | | | | | | | |
| 40 | 90 | 120 | 23.3 | 8.5 | 30.5 | 242 | 278 | 35 | 120 | 55 | G 1 1/2 | 18 | NPT 1 1/2 | 17.3 | RC 1 1/2 | 19.1 |
| | 130 | 159 | 23.3 | 8.5 | 30.5 | 293 | 328 | | | | | | | | | |
| | 70 | 91 | 23.3 | 8.5 | 30.5 | 214 | 262 | | | | | | | | | |
| 50 | 90 | 120 | 23.3 | 8.5 | 30.5 | 255 | 301 | 45 | 150 | 70 | G 2 | 24 | NPT 2 | 17.6 | RC 2 | 23.4 |
| | 130 | 159 | 23.3 | 8.5 | 30.5 | 306 | 351 | | | | | | | | | |
| | 90 | 120 | 23.3 | 8.5 | 30.5 | 270 | 328 | | | | | | | | | |
| 65 | 90 | 120 | 23.3 | 8.5 | 30.5 | 270 | 328 | 57 | 185 | 85 | G 2 1/2 | 26 | NPT 2 1/2 | 23.7 | RC 2 1/2 | 26.7 |
| | 130 | 159 | 23.3 | 8.5 | 30.5 | 321 | 378 | | | | | | | | | |

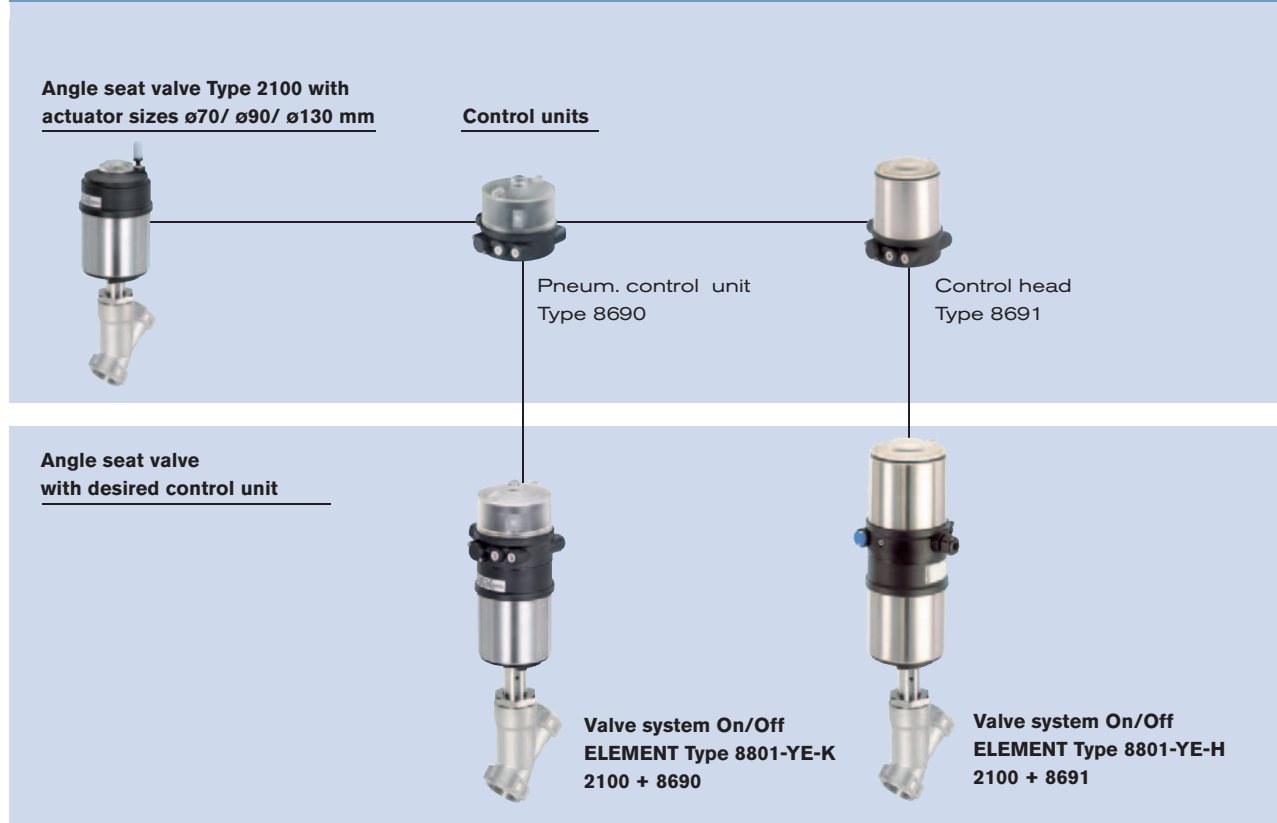
Ordering information for valve system On/Off ELEMENT Type 8801-YE

A valve system On/Off ELEMENT Type 8801-YE consists of an angle seat valve Type 2100 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. 13 [go to page](#)

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

Ordering the valve system On/Off ELEMENT Type 8801-YE 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-YE, *continued*

A valve system On/Off ELEMENT Type 8801-YE consists of an angle seat valve Type 2100 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. 13 [go to page](#)

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

Ordering the valve system On/Off ELEMENT Type 8801-YE with valve actuator sizes $\varnothing 50\text{ mm}$

Angle seat valve Type 2100 with actuator size $\varnothing 50\text{ mm}$



Control unit



Control head
Type 8695

Angle seat valve with desired control unit



**Valve system On/Off
ELEMENT Type 8801-YE-M
2100 + 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.**

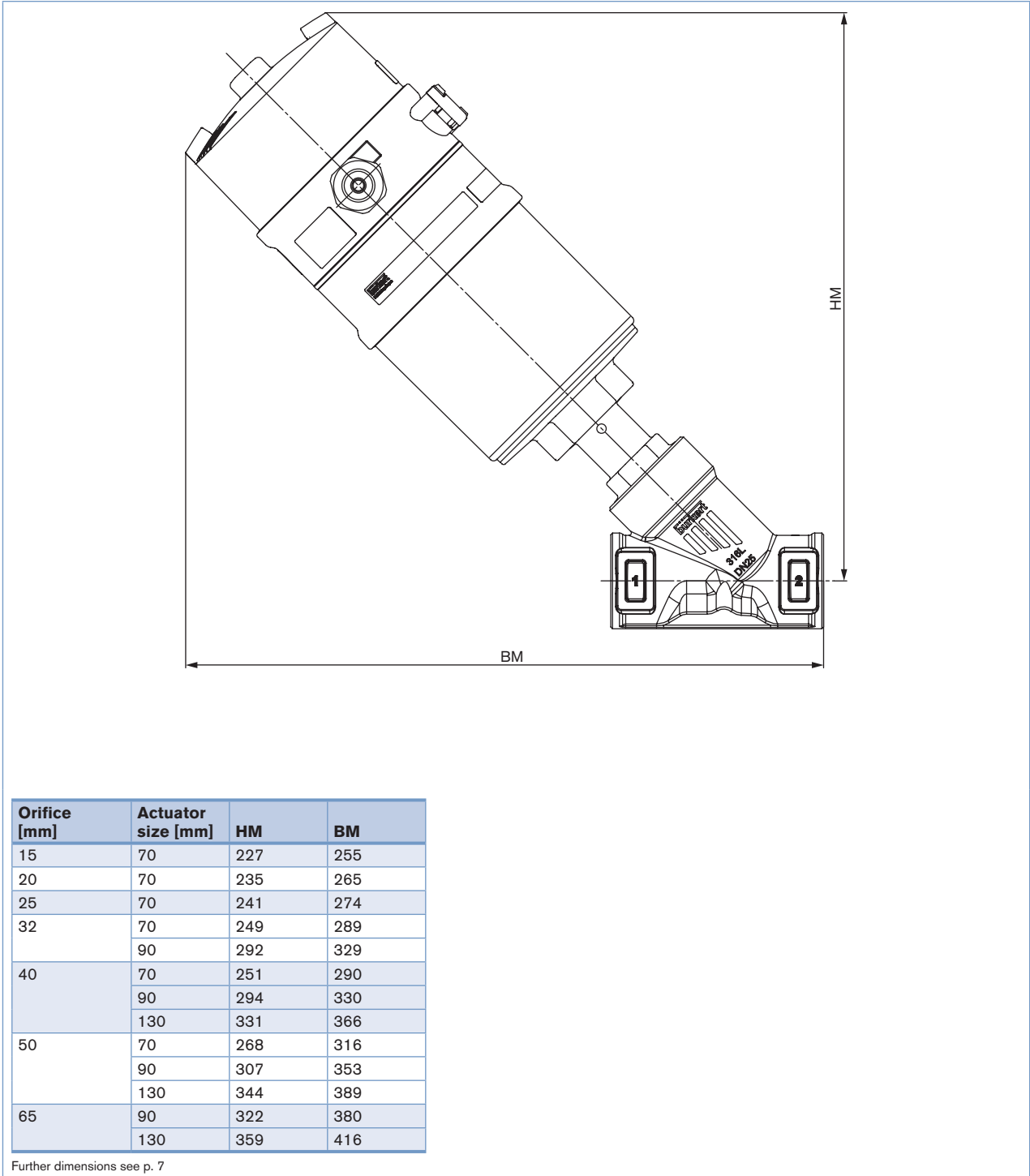
The new generation of integrated control heads for combination with small actuators from the process valve series Type 21xx is specially designed for the requirements of hygienic process environments. The intelligent control head, Type 8695, detects the valve position by means of a contact-free analog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

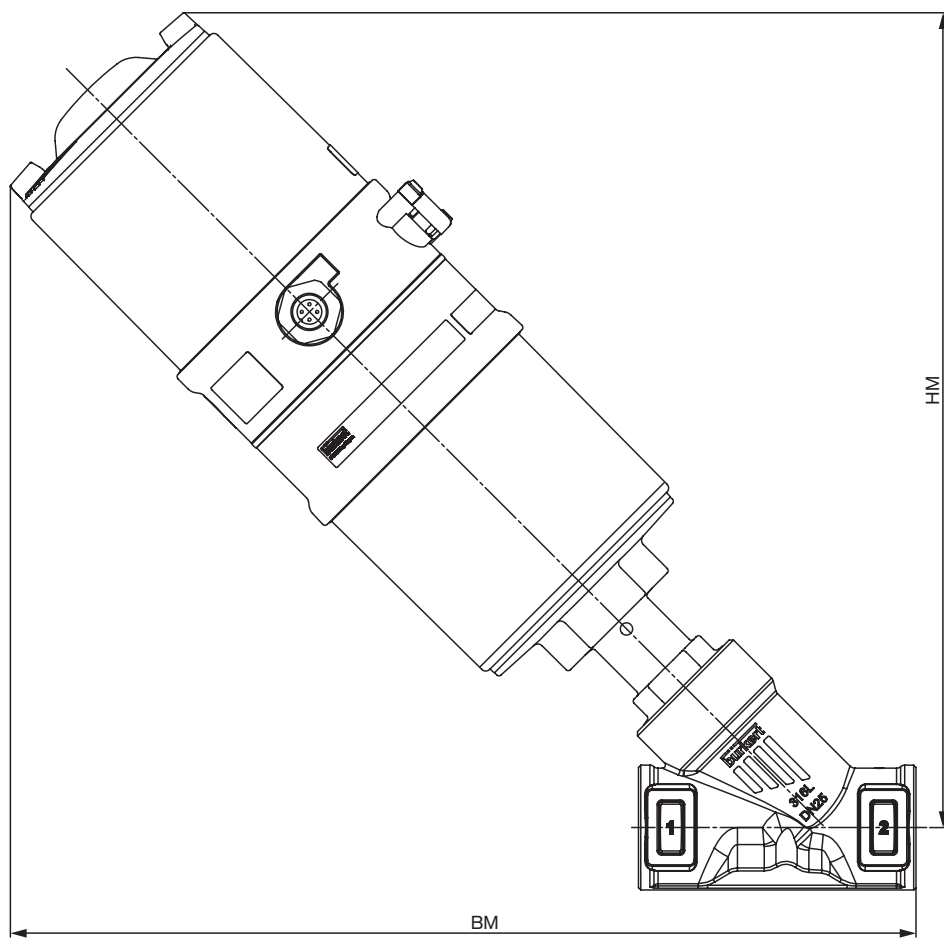
Dimensions for valve system On/Off ELEMENT Type 8801-YE [mm]

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



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

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

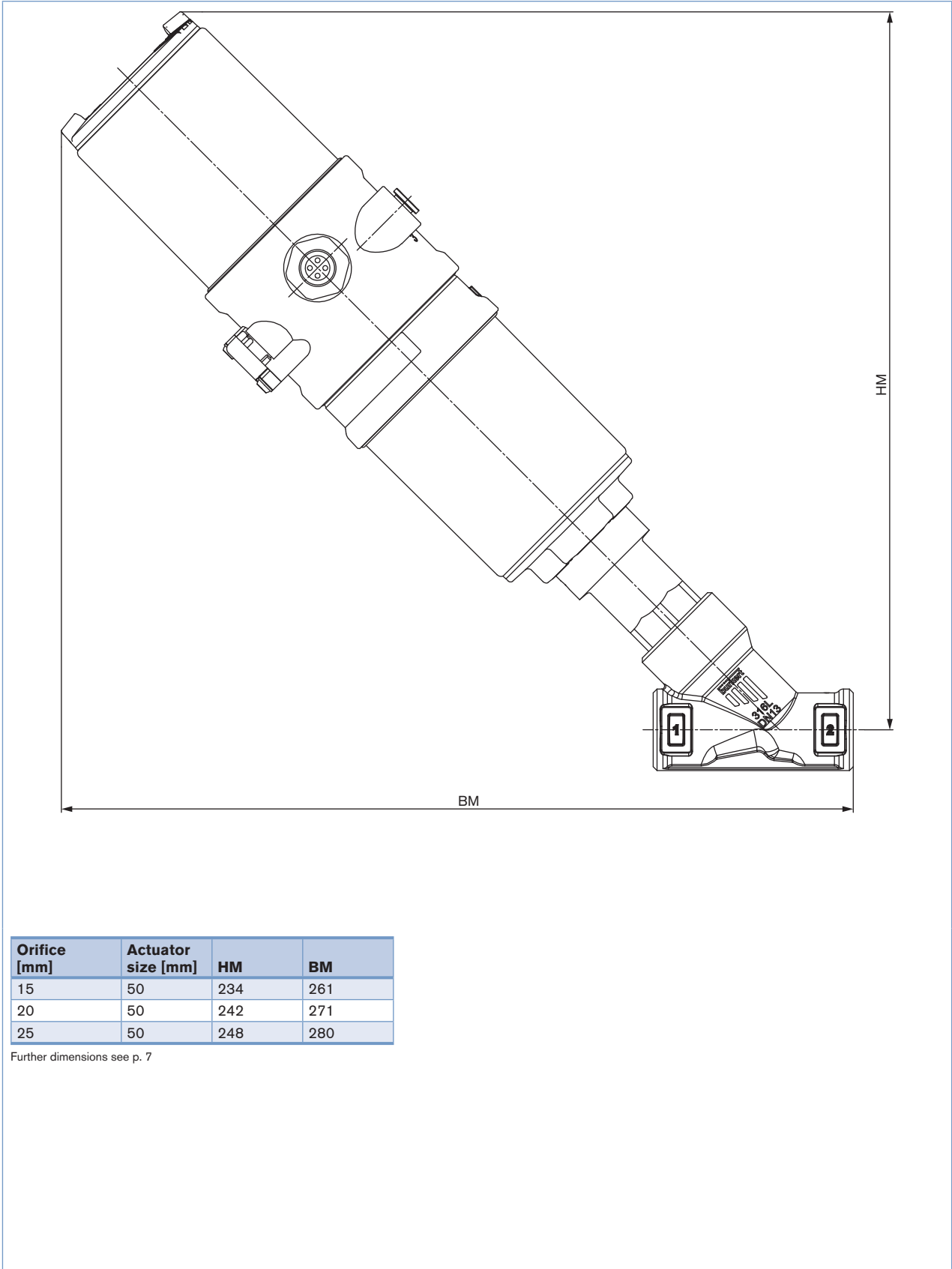


| Orifice [mm] | Actuator size [mm] | HM | BM |
|--------------|--------------------|-----|-----|
| 15 | 70 | 251 | 279 |
| 20 | 70 | 259 | 289 |
| 25 | 70 | 265 | 298 |
| 32 | 70 | 273 | 313 |
| | 90 | 316 | 353 |
| 40 | 70 | 275 | 314 |
| | 90 | 318 | 354 |
| | 130 | 355 | 390 |
| 50 | 70 | 292 | 340 |
| | 90 | 331 | 377 |
| | 130 | 368 | 413 |
| 65 | 90 | 346 | 404 |
| | 130 | 383 | 440 |

Further dimensions see p. 7

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

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



| Orifice [mm] | Actuator size [mm] | HM | BM |
|--------------|--------------------|-----|-----|
| 15 | 50 | 234 | 261 |
| 20 | 50 | 242 | 271 |
| 25 | 50 | 248 | 280 |

Further dimensions see p. 7

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

Valve system On/Off ELEMENT Type 8801-YE – 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 Threaded Welded Clamp
 Standard connection ISO DIN Other
 Body material selection with welded connection acc. to EN ISO 1127/ISO 4200 and DIN 11850
 Stainless steel 1.4581 Stainless steel 316L
 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 →

www.burkert.com