



2/2-way diaphragm valve with pneumatic stainless steel actuator (Type ELEMENT) for decentralised automation

- Valve body and diaphragm are available in various materials and variants
- Wetted surfaces from $Ra \leq 0.38 \mu m \dots \leq 1.6 \mu m$ (optionally electropolished)
- Available in all common connection sizes and variants

Product variants described in the data sheet may differ from the product presentation and description.

Can be combined with



Type SV02 ▶
Diaphragms



Type 2034 ▶
Multifunction block solutions



Type 8691 ▶
Control head for decentralised automation of ELEMENT process valves



Type 8692 ▶
Digital electro-pneumatic positioner for integrated mounting on process control valves



Type 8695 ▶
Control head for decentralised automation of ELEMENT process valves



Type 8696 ▶
Digital electropneumatic positioner for integrated mounting on process control valves



Type 8098 ▶
FLOWave SAW flowmeter

Type description

The externally controlled diaphragm valve Type 2103 consists of a pneumatically operated piston actuator, a diaphragm and a 2-way valve body. The proven and robust actuator with stainless steel housing ensures use in hygienic or aggressive ambient conditions. The flow-efficient valve bodies with little dead space enable high flow rates and a wide range of possible uses. The valve body and the diaphragm are available in all common materials and variants. The actuator has a compact, autoclavable design with a large stainless steel housing and gap-free seals. The integration of automation units Type ELEMENT is possible in all configuration levels (can be retrofitted); a fieldbus interface can also be integrated. An explosion-proof ATEX/IECEx device variant is available.

It is a compact, smooth-surfaced and highly integrated system consisting of a valve and an automation unit with integrated pilot air ducts (no intake of ambient air). The add-on body is optionally available in plastic or stainless steel (can be rotated 360°). The valve offers the degrees of protection IP65/67 and NEMA Type 4X and displays high chemical resistance.

Table of contents

| | |
|---|-----------|
| 1. General technical data | 3 |
| 2. Approvals and conformities | 5 |
| 2.1. General notes..... | 5 |
| 2.2. Conformity | 5 |
| 2.3. Standards..... | 5 |
| 2.4. Explosion protection | 5 |
| 2.5. Foods and beverages/Hygiene | 5 |
| 2.6. Others | 6 |
| 3. Materials | 6 |
| 3.1. Bürkert resistApp | 6 |
| 3.2. Pressure temperature diagram for plastic body..... | 6 |
| 3.3. Material specifications | 7 |
| 3.4. Example of available membrane materials | 8 |
| 4. Dimensions | 9 |
| 4.1. Actuator | 9 |
| ELEMENT actuator | 9 |
| 4.2. Forged body (VS) with welded connection | 10 |
| 4.3. Forged body (VS) with clamp connection..... | 12 |
| 4.4. Tube valve body (VP) with welded connection | 14 |
| 4.5. Tube valve body (VP) with clamp connection | 15 |
| 4.6. Tube valve body (VP) with threaded connection..... | 16 |
| 4.7. Tube valve body (VP) with flange connection | 17 |
| 4.8. Cast body (VG) with welded connection..... | 18 |
| 4.9. Cast body (VG) with clamp connection | 20 |
| 4.10. Plastic body (PV, PD, PP) with spigot connections..... | 21 |
| 4.11. Plastic body (PV, PD, PP) with true union | 22 |
| 4.12. Plastic body (PV, PD, PP) with flange connection..... | 23 |
| 5. Performance specifications | 24 |
| 5.1. Flow characteristics | 24 |
| Forged body (VS) | 24 |
| Tube valve body (VP)..... | 24 |
| Cast body (VG)..... | 25 |
| Plastic body (PV, PD, PP)..... | 25 |
| 5.2. Medium pressure | 25 |
| 6. Product accessories | 26 |
| 7. Networking and combination with other Bürkert products | 30 |
| 7.1. Possible combinations | 30 |
| For ELEMENT valve system Type 8802-DF with TopControl | 30 |
| For ELEMENT valve system Type 8802-DF with SideControl Remote | 31 |
| For ELEMENT valve system Type 8801-DF with control head or pneumatic control unit/position feedback | 32 |
| 8. Ordering information | 33 |
| 8.1. Bürkert eShop | 33 |
| 8.2. Bürkert product filter | 33 |
| 8.3. Bürkert Product Enquiry Form | 33 |

DTS 1000450597 EN Version: | Status: RL (released | freigegeben | valide) printed: 24.04.2024

1. General technical data

| Product properties | |
|--|--|
| Dimensions | Further information can be found in chapter "4. Dimensions" on page 9. |
| Material | |
| Forged body (VS) ¹⁾ | Forged material 1.4435 according to BN2 DIN EN 10222 -5, F316L according to ASTM A182 / A182M and 316 I according to ASME BPE |
| Tube valve body (VP) ¹⁾ | Stainless steel tube 1.4435-BN2 / UNS S31603 (316L) according to DIN 11866, ASTM A269 / A270, DIN EN 10217-7 / 10216-5 |
| Cast body (VG) ¹⁾ | Investment cast material 1.4435 / 316 I |
| Plastic body (PV, PD, PP) ¹⁾ | PVC (PVC-U), PVDF, PP |
| Diaphragm | EPDM (AD) ¹⁾ , PTFE/EPDM (EA) ¹⁾ , Advanced PTFE/EPDM (EU) ¹⁾ , laminate of GYLON® and EPDM (ER) ¹⁾ |
| Actuator | DN 08...65 PPS DN 65...100 stainless steel 1.4308 |
| Actuator cover | DN 08...65 stainless steel 1.4561 (316Ti) DN 65...100 stainless steel 1.4308 |
| Diaphragm size | 8...100, for plastic body 15...100 |
| Standard surface quality | |
| Forged body (VS) ¹⁾ | Internally electrically polished: Ra ≤ 0.38 µm (NO17) ¹⁾ (ASME BPE SF4 / DIN HE4) (externally forged surface, electrically polished) Internally mechanically polished: Ra ≤ 0.5 µm (NO14) ¹⁾ (ASME BPE SF1) (externally forged surface) |
| Tube valve body (VP) ¹⁾ | Internally electrically polished: Ra ≤ 0.38 µm (NO17) ¹⁾ (ASME BPE SF4 / DIN HE4) Internally glass bead blasted: Ra ≤ 1.6 µm (NO05) ¹⁾ (externally glass bead blasted: Ra ≤ 1.6 µm (NO01)) ¹⁾ |
| Cast body (VG) ¹⁾ | Internally electrically polished: Ra ≤ 0.6 µm (NO16) ¹⁾ (ASME BPE SF6) (externally cast surface, electrically polished) Internally mechanically polished: Ra ≤ 0.76 µm (NO06) ¹⁾ (ASME BPE SF3 / DIN H2) (externally cast surface) |
| Performance data | |
| Maximum pilot pressure (SF A) | 10 bar 7 bar for actuator size 130, 225 See "5.2. Medium pressure" on page 25 |
| Pilot air port | Push-in connector for outer diameter, Ø6 mm or ¼" (standard), thread G ⅛" |
| Medium data | |
| Process medium | Neutral gases and fluids, highly purified, sterile, aggressive or abrasive medium (see resistance chart ▶) |
| Medium temperature | |
| EPDM (AD) ¹⁾ | -10...+143 °C (steam sterilisation + 150 °C for 60 min) |
| PTFE/EPDM (EA) ¹⁾ | -10...+130 °C (steam sterilisation + 140 °C for 60 min) |
| Advanced PTFE/EPDM (EU) ¹⁾ | -5...+143 °C (steam sterilisation + 150 °C for 60 min) |
| Laminate of GYLON® and EPDM (ER) ¹⁾ | -5...+130 °C (steam sterilisation + 140 °C for 60 min) |
| Plastic body | See "3.2. Pressure temperature diagram for plastic body" on page 6 |
| Control medium | Neutral gases, air |
| Process/Port connection & communication | |
| Nominal diameter (port connection) | DN 06...DN 100 (⅛" ...4") |
| Port connection²⁾ | |
| For stainless steel body³⁾ | |
| Welded connection ²⁾ | DIN EN ISO 1127 / ISO 4200 / DIN 11866 series B DIN 11850-2 / DIN 11866 series A / DIN EN 10357 series A ASME BPE / DIN 11866 series C |
| Clamp connection ²⁾ | DIN 32676 series A (DIN pipe) DIN 32676 series B (ISO pipe) ASME BPE |
| For plastic body | |
| Spigot connection | DN 15...DN 50 |
| True union | DN 15...DN 50 |
| Loose flange | DN 15...DN 65 |
| Fixed flange | DN 80...DN 100 |

Environment and installation

| | |
|-----------------------|---|
| Installation position | See operating manual Type 2103 ▶ |
| Ambient temperature | -10...+60 °C ⁵⁾ , autoclavable |

- 1.) This information is part of the product key (see **"8.3. Bürkert Product Enquiry Form"** on page 33).
- 2.) Further variants are available on request.
- 3.) The tube valve body (VP) is also available with flange and threaded connection.
- 4.) With plastic housings, a temperature limitation due to housing material is possible.
- 5.) For standard variant, variants with higher temperatures possible

2. Approvals and conformities

2.1. General notes

- The approvals and conformities listed below must be stated when making enquiries. This is the only way to ensure that the product complies with all required specifications.
- Not all available versions can be supplied with the below mentioned approvals or conformities.



2.2. Conformity

In accordance with the Declaration of Conformity, the product is compliant with the EU Directives.



2.3. Standards

The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.

2.4. Explosion protection

| Approval | Description | | | | | | | | | | | | | | | | |
|---|--|-------------------|---------------|----|----|---------------------------------|---------|---------|---------|---------------------|---------------|---------------|---------------|----------------------------|---------|---------|---------|
|   | <p>Optional: Explosion protection (valid for the variable code PX51...DN 50) As a category 2 device suitable for zone 1/21 and zone 2/22.</p> <p>ATEX: EPS 18 ATEX 2 008 X II 2G Ex h IIC T4...T2 Gb II 2D Ex h IIIC T135 °C...T300 °C Db</p> <p>IECEx: IECEx EPS 18.0007X Ex h IIC T4...T2 Gb Ex h IIIC T135 °C...T300 °C Db</p> <table border="1"> <thead> <tr> <th>Temperature class</th> <th>T2</th> <th>T3</th> <th>T4</th> </tr> </thead> <tbody> <tr> <td>Permissible surface temperature</td> <td>+300 °C</td> <td>+200 °C</td> <td>+135 °C</td> </tr> <tr> <td>Ambient temperature</td> <td>-40...+130 °C</td> <td>-40...+130 °C</td> <td>-40...+100 °C</td> </tr> <tr> <td>Maximum medium temperature</td> <td>+285 °C</td> <td>+185 °C</td> <td>+125 °C</td> </tr> </tbody> </table> | Temperature class | T2 | T3 | T4 | Permissible surface temperature | +300 °C | +200 °C | +135 °C | Ambient temperature | -40...+130 °C | -40...+130 °C | -40...+100 °C | Maximum medium temperature | +285 °C | +185 °C | +125 °C |
| Temperature class | T2 | T3 | T4 | | | | | | | | | | | | | | |
| Permissible surface temperature | +300 °C | +200 °C | +135 °C | | | | | | | | | | | | | | |
| Ambient temperature | -40...+130 °C | -40...+130 °C | -40...+100 °C | | | | | | | | | | | | | | |
| Maximum medium temperature | +285 °C | +185 °C | +125 °C | | | | | | | | | | | | | | |

2.5. Foods and beverages/Hygiene

| Conformity | Description |
|---|--|
|  | <p>3-A Sanitary Standards Inc. (valid for the variable code PE05) The products comply with 3-A Sanitary Standards Inc (3-A SSI) as per certificate.</p> |
| <p>FDA</p> | <p>FDA – Code of Federal Regulations The diaphragms made of EPDM (AD), PTFE/EPDM (EA), Advanced PTFE/EPDM (EU) and laminate of GYLON® and EPDM (ER) comply with the Code of Federal Regulations published by the FDA (Food and Drug Administration, USA).</p> |
| <p>USP</p> | <p>United States Pharmacopeial Convention (USP) The diaphragms made of EPDM (AD), PTFE/EPDM (EA), Advanced PTFE/EPDM (EU) and laminate of GYLON® and EPDM (ER) are tested according to USP Class VI.</p> |
|  | <p>EC Regulation 1935/2004 of the European Parliament and of the Council The diaphragms made of EPDM (AD), PTFE/EPDM (EA), Advanced PTFE/EPDM (EU) and laminate of GYLON® and EPDM (ER) are suitable for use with food and beverages (according to EC Regulation 1935/2004/EC).</p> |

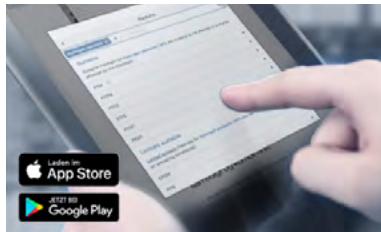
DTS 1000450597 EN Version: | Status: RL (released | freigegeben | validé) printed: 24.04.2024

2.6. Others

| Conformity | Description |
|------------|---|
| TA Luft | Technical instruction on air quality control (valid for the variable code PM01) |

3. Materials

3.1. Bürkert resistApp



Bürkert resistApp – Chemical resistance chart

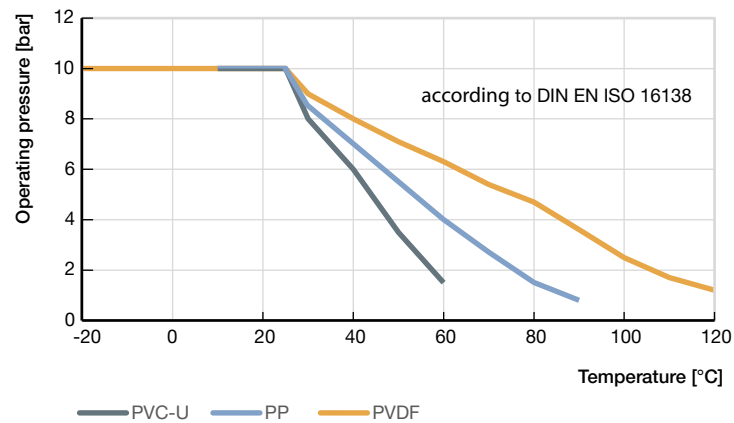
You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

[Start chemical resistance check](#)

3.2. Pressure temperature diagram for plastic body

Note:

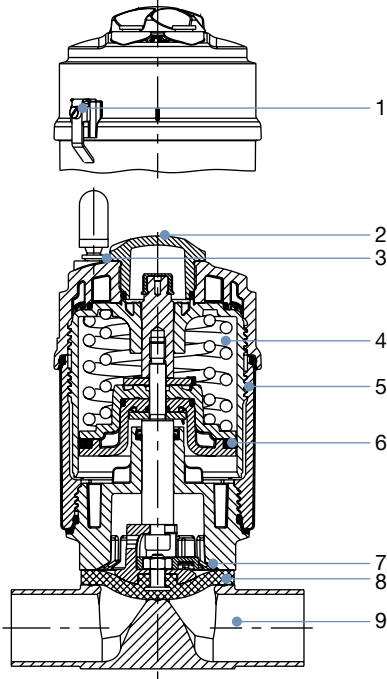
This information is important for material selection. Observe the permissible operating pressure depending on the medium temperature.



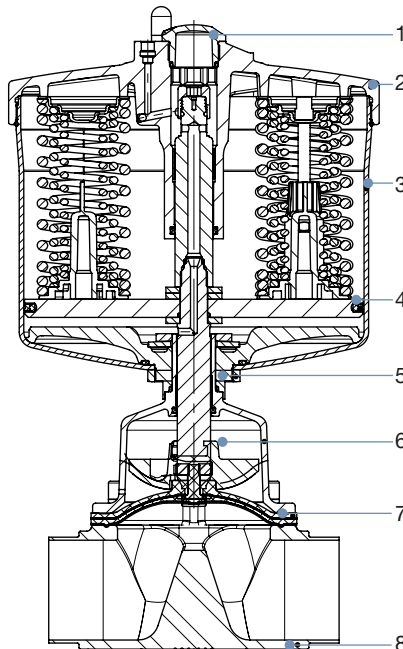
3.3. Material specifications

Note:

The exemplary representation may differ from the actual product.



| No. | Element | Material |
|-----|-----------------|---|
| 1 | Ground terminal | Stainless steel 1.4301/1.4305 (only for ATEX/IECEX version) |
| 2 | Transparent cap | Polysulfone PSU |
| 3 | Pilot air ports | Push-in connector PP (standard), Thread G 1/8" stainless steel 1.4305 |
| 4 | Actuator | Polyphenylene sulphide PPS |
| 5 | Cover | Stainless steel 1.4561 (316Ti) |
| 6 | Piston seal | FKM |
| 7 | Interface | Polyphenylene sulphide PPS (standard) Stainless steel 1.4308 (360° rotatable on request) |
| 8 | Diaphragm | EPDM (AD), PTFE/EPDM (EA), Advanced PTFE/EPDM (EU), laminate of GYLON® and EPDM (ER) |
| 9 | Valve body | See "1. General technical data" on page 3. |



| No. | Element | Material |
|-----|------------------|--|
| 1 | Transparent cap | Polysulfon PSU |
| 2 | Actuator cover | Stainless steel 1.4308 |
| 3 | Liner | Stainless steel 1.4404 |
| 4 | Piston seal | FKM |
| 5 | Nut | Stainless steel 1.4301 |
| 6 | Diaphragm socket | Stainless steel CF3M |
| 7 | Diaphragm | EPDM (AD), PTFE/EPDM (EA), Advanced PTFE/EPDM (EU), laminate of GYLON® and EPDM (ER) |
| 8 | Valve body | See "1. Allgemeine technische Daten" on page 3 |

DTS 1000450597 EN Version: | Status: RL (released | freigegeben | validé) printed: 24.04.2024

3.4. Example of available membrane materials

The diaphragms have been developed to meet the unique challenges of hygienic and sterile requirements. Bürkert offers diaphragms with precise material composition and high accuracy. Bürkert diaphragms are available in a wide range of materials which have been tested and proven in applications in the food and beverage, biotechnology, pharmaceutical and cosmetics industries. The diaphragms are tested during development and production to ensure reliability under difficult process conditions.



- EPDM (AD)
- PTFE/EPDM (EA)
- Advanced PTFE/EPDM (EU)
- Laminate of GYLON® and EPDM (ER)

For further information please refer to our flyer “Diaphragm competence for hygienic applications” on our [website](#) ▶.

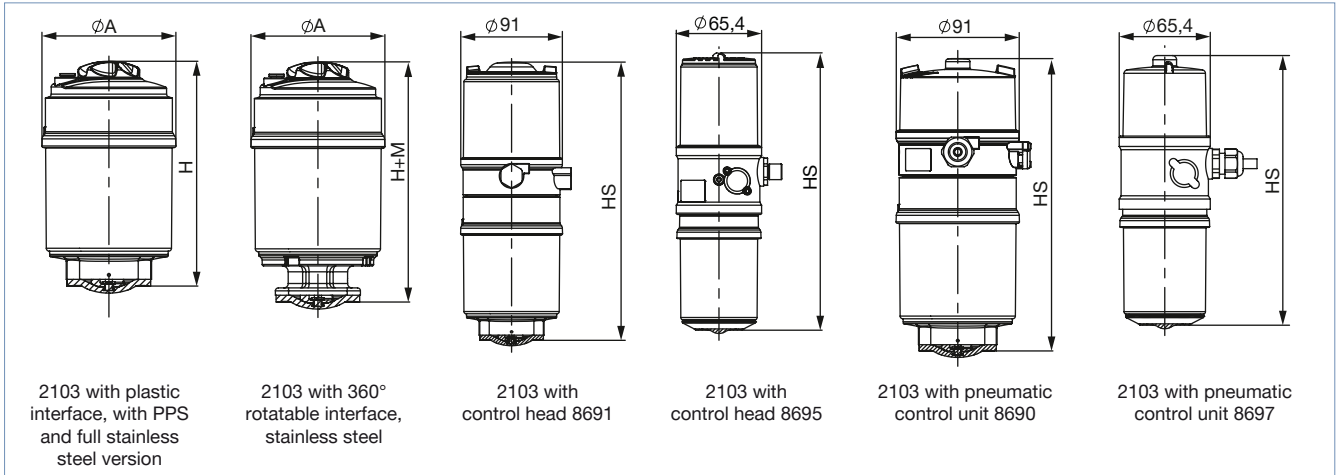
4. Dimensions

4.1. Actuator

ELEMENT actuator

Note:

Dimensions in mm, unless otherwise stated

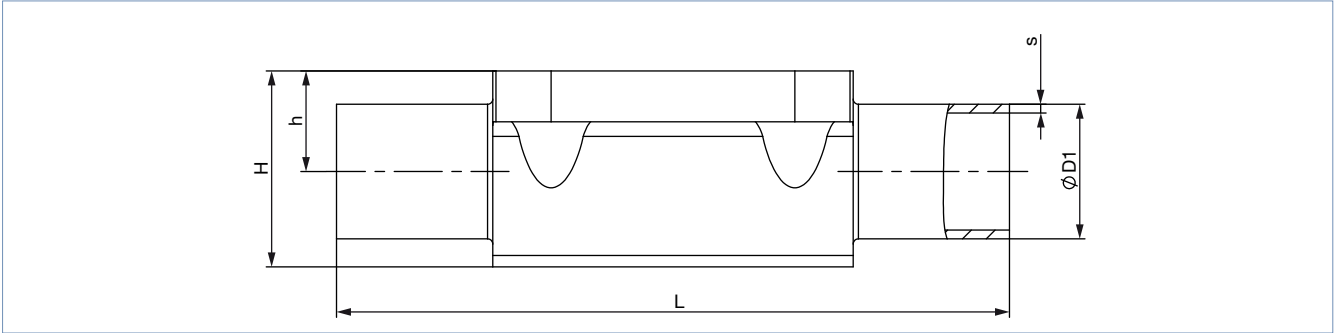


| Diaphragm size | Actuator size \varnothing | $\varnothing A$ | H | HS with | | H+M |
|----------------|-----------------------------|-----------------|-----|-------------|-------------|-----|
| | | | | 8691 / 8695 | 8690 / 8697 | |
| 8 | 50 (D) | 65 | 119 | 207 | 194 | 141 |
| 15 | 50 (D) | 65 | 132 | 220 | 206 | 146 |
| | 70 (M) | – | – | 242 | 209 | – |
| 20 | 70 (M) | 92 | 153 | 248 | 215 | 165 |
| 25 | 70 (M) | 92 | 154 | 248 | 215 | 171 |
| | 90 (N) | 120 | 187 | 282 | 249 | 204 |
| 32 | 90 (N) | 120 | 202 | 297 | 264 | 215 |
| 40 | 90 (N) | 120 | 206 | 300 | 268 | 221 |
| | 130 (P) | 159 | 259 | 353 | 320 | 273 |
| 50 | 130 (P) | 159 | 275 | 369 | 336 | 281 |
| 65 | 130 (P) | – | – | – | – | 285 |
| | 225 (L) | 245 | – | 427 | 395 | 330 |
| 80 | 225 (L) | 245 | – | 433 | 401 | 336 |
| | 225 (L) | 245 | – | 429 | 397 | 332 |

4.2. Forged body (VS) with welded connection

Note:

- Dimensions in mm, unless otherwise stated
- Further information on the draining angle can be found in the “Additional manual Type 2xxx 3xxx” on our website (see **operating instructions Type 2103** ▶).



| Diaphragm size | Port connection DN | ØD1 | s | L | h | H | Product key ¹⁾ |
|---|--------------------|-------|-----|-----|------|-------|---------------------------|
| DIN EN ISO 1127 / ISO 4200 / DIN 11866 series B | | | | | | | |
| 8.0 | 8 | 13.5 | 1.6 | 90 | 9.3 | 18.8 | SA40 |
| 15.0 | 8 | 13.5 | 1.6 | 108 | 8.2 | 19.9 | SA40 |
| 8.0 | 10 | 17.2 | 1.6 | 90 | 9.3 | 18.8 | SA41 |
| 15.0 | 10 | 17.2 | 1.6 | 110 | 12.1 | 23.8 | SA41 |
| 15.0 | 15 | 21.3 | 1.6 | 110 | 12.1 | 23.8 | SA42 |
| 20.0 | 15 | 21.3 | 1.6 | 119 | 16.0 | 30.3 | SA42 |
| 20.0 | 20 | 26.9 | 1.6 | 119 | 16.0 | 30.3 | SA43 |
| 25.0 | 20 | 26.9 | 1.6 | 119 | 19.0 | 37.0 | SA43 |
| 25.0 | 25 | 33.7 | 2 | 129 | 19.0 | 37.0 | SA44 |
| 40.0 | 25 | 33.7 | 2 | 161 | 27.6 | 52.4 | SA44 |
| 40.0 | 32 | 42.4 | 2 | 161 | 27.6 | 52.4 | SA45 |
| 40 | 40 | 48.3 | 2 | 161 | 27.6 | 52.4 | SA46 |
| 50 | 50 | 60.3 | 2 | 192 | 35.5 | 68.3 | SA47 |
| 80 | 65 | 76.1 | 2 | 250 | 51.0 | 98.1 | SA48 |
| 80 | 80 | 88.9 | 2.3 | 250 | 51.0 | 98.1 | SA49 |
| 100 ²⁾ | 100 | 114.3 | 2.3 | 295 | 63.5 | 127.0 | SA39 |
| DIN 11850-2 / DIN 11866 series A / DIN EN 10357 series A | | | | | | | |
| 8 | 10 | 13 | 1.5 | 90 | 9.3 | 18.8 | SD40 |
| 15 | 10 | 13 | 1.5 | 110 | 8.2 | 19.9 | SD40 |
| 15 | 15 | 19 | 1.5 | 110 | 12.1 | 23.8 | SD42 |
| 20 | 20 | 23 | 1.5 | 119 | 16.0 | 30.3 | SD43 |
| 25 | 25 | 29 | 1.5 | 129 | 19.0 | 37.0 | SD44 |
| 40 | 32 | 35 | 1.5 | 161 | 27.6 | 52.4 | SD45 |
| 40 | 40 | 41 | 1.5 | 161 | 27.6 | 52.4 | SD46 |
| 50 | 50 | 53 | 1.5 | 192 | 35.5 | 68.3 | SD47 |
| 80 | 65 | 70 | 2 | 250 | 51.0 | 98.1 | SD48 |
| 80 | 80 | 85 | 2 | 250 | 51.0 | 98.1 | SD49 |
| 100 ²⁾ | 100 | 104 | 2 | 295 | 63.5 | 127.0 | SD50 |

DTS 1000450597 EN Version: I Status: RL (released | freigegeben | validé) printed: 24.04.2024

| Diaphragm size | Port connection DN | ØD1 | s | L | h | H | Product key ^{1.)} |
|--------------------------------------|--------------------|-------|------|-----|------|-------|----------------------------|
| ASME BPE / DIN 11866 series C | | | | | | | |
| 8 | ¼" | 6,35 | 0,89 | 78 | 5.7 | 15.2 | SA90 |
| 8 | ⅜" | 9.53 | 0.89 | 89 | 5.7 | 15.2 | SA91 |
| 8 | ½" | 12.7 | 1.65 | 89 | 9.3 | 18.8 | SA92 |
| 15 | ½" | 12.7 | 1.65 | 108 | 8.2 | 19.9 | SA92 |
| 15 | ¾" | 19.05 | 1.65 | 108 | 12.1 | 23.8 | SA93 |
| 20 | ¾" | 19.05 | 1.65 | 117 | 16.0 | 30.3 | SA93 |
| 25 | 1" | 25.4 | 1.65 | 127 | 19.0 | 37.0 | SODF |
| 40 | 1½" | 38.1 | 1.65 | 159 | 27.6 | 52.4 | SODH |
| 50 | 2" | 50.8 | 1.65 | 190 | 35.5 | 68.3 | SODI |
| 50 | 2½" | 63.5 | 1.65 | 192 | 35.5 | 68.6 | SODJ |
| 80 | 2½" | 63.5 | 1.65 | 250 | 51.0 | 98.1 | SODJ |
| 80 | 3" | 76.2 | 1.65 | 250 | 51.0 | 98.1 | SODK |
| 100 ^{2.)} | 4" | 101.6 | 2.11 | 295 | 63.5 | 127.0 | SODL |
| BS 4825 | | | | | | | |
| 8 | 8 | 6.35 | 1.2 | 78 | 5.7 | 15.2 | SODB |
| 8 | 10 | 9.53 | 1.2 | 89 | 5.7 | 15.2 | SODC |
| 15 | 15 | 12.7 | 1.2 | 108 | 8.2 | 19.9 | SODD |
| 20 | 20 | 19.05 | 1.2 | 117 | 16.0 | 30.3 | SODE |
| 25 | 25 | 25.4 | 1.65 | 127 | 19.0 | 37.0 | SODF |
| 40 | 40 | 38.1 | 1.65 | 159 | 27.6 | 52.4 | SODH |
| 50 | 50 | 50.8 | 1.65 | 190 | 35.5 | 68.3 | SODI |
| 50 | 65 | 63.5 | 1.65 | 192 | 35.5 | 68.6 | SODJ |
| 80 | 80 | 63.5 | 1.65 | 250 | 51.0 | 98.1 | SODJ |
| 80 | 80 | 76.2 | 1.65 | 250 | 51.0 | 98.1 | SODK |
| SMS 3008 | | | | | | | |
| 25 | 25 | 25 | 1.2 | 129 | 19.0 | 37.0 | SA60 |
| 40 | 40 | 38 | 1.2 | 161 | 27.6 | 52.4 | SA62 |
| 50 | 50 | 51 | 1.2 | 192 | 35.5 | 68.3 | SA63 |
| 100 ^{2.)} | 100 | 101.6 | 2 | 295 | 63.5 | 127.0 | SA66 |
| DIN 11850-0 | | | | | | | |
| 8 | 6 | 8 | 1 | 90 | 5.7 | 15.2 | SC41 |
| 8 | 8 | 10 | 1 | 90 | 5.7 | 15.2 | SC42 |

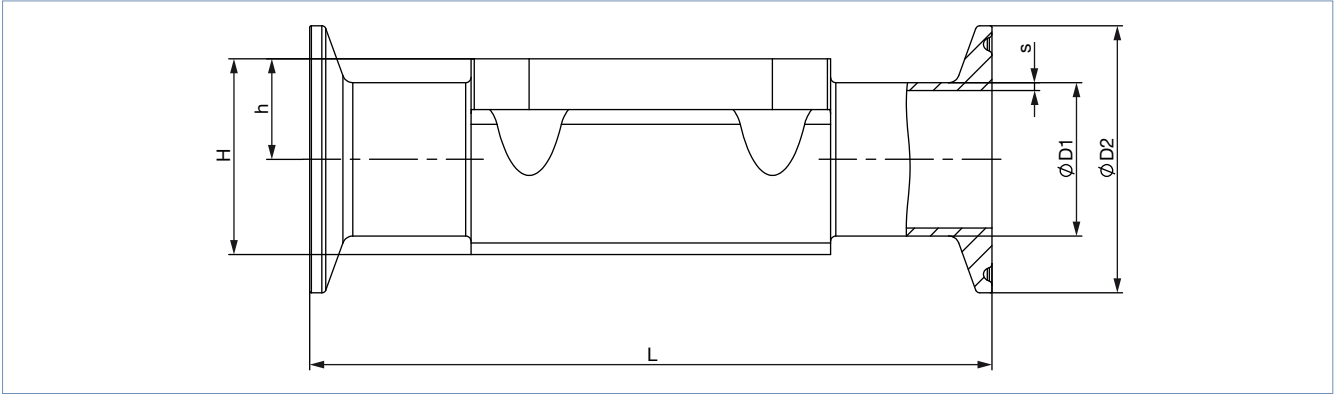
1.) This information is part of the product key (see "8.3. Bürkert Product Enquiry Form" on page 33).

2) Only available as block material

4.3. Forged body (VS) with clamp connection

Note:

- Dimensions in mm, unless otherwise stated
- Further information on the draining angle can be found in the “Additional manual Type 2xxx 3xxx” on our website (see **operating instructions Type 2103** ▶).



| Diaphragm size | Port connection DN | Ø D1 | s | Ø D2 | L | h | H | Product key ¹⁾ | Variable code ¹⁾ |
|--------------------------------------|--------------------|-------|-----|------|-----|------|-------|---------------------------|-----------------------------|
| DIN 32676 series B (ISO pipe) | | | | | | | | | |
| 15 | 15 | 21.3 | 1.6 | 50.5 | 167 | 12.1 | 23.8 | TC52 | – |
| 20 | 20 | 26.9 | 1.6 | 50.5 | 114 | 16.0 | 30.3 | TC43 | – |
| 25 | 25 | 33.7 | 2 | 50.5 | 129 | 19.0 | 37.0 | TC44 | – |
| 40 | 40 | 48.3 | 2 | 64 | 161 | 27.6 | 52.4 | TC46 | – |
| 50 | 50 | 60.3 | 2 | 77.5 | 190 | 35.5 | 68.3 | TC47 | – |
| 65 | 65 | 76.1 | 2 | 91 | 190 | 35.5 | 63.3 | TC48 | – |
| 80 | 80 | 88.9 | 2.3 | 106 | 222 | 51.0 | 98.1 | TC49 | – |
| 100 ²⁾ | 100 | 114.3 | 2.3 | 130 | 350 | 63.5 | 127.0 | TC50 | – |
| DIN 32676 series A (DIN pipe) | | | | | | | | | |
| 8 | 10 | 13 | 1.5 | 34 | 126 | 9.3 | 18.8 | TD41 | – |
| 15 | 10 | 13 | 1.5 | 34 | 110 | 8.2 | 19.9 | TD41 | – |
| 15 | 15 | 19 | 1.5 | 34 | 110 | 12.1 | 23.8 | TD42 | – |
| 20 | 20 | 23 | 1.5 | 34 | 119 | 16.0 | 30.3 | TD43 | – |
| 25 | 25 | 29 | 1.5 | 50.5 | 129 | 19.0 | 37.0 | TD44 | – |
| 40 | 40 | 41 | 1.5 | 50.5 | 161 | 27.6 | 52.4 | TD46 | – |
| 50 | 50 | 53 | 1.5 | 64 | 192 | 35.5 | 68.3 | TD47 | – |
| 65 | 65 | 70 | 2 | 91 | 248 | 43.0 | 83.5 | TC48 | – |
| 80 | 80 | 70 | 2 | 91 | 222 | 51.0 | 98.1 | TC49 | – |

DTS 1000450597 EN Version: I Status: RL (released | freigegeben | validé) printed: 24.04.2024

| ASME BPE | | | | | | | | | |
|--------------------|--------|-------|------|------|------|------|-------|------|------|
| 8 | 1/4" | 6.35 | 0.89 | 25 | 64.5 | 5.7 | 15.2 | TG50 | - |
| 8 | 3/8" | 9.53 | 0.89 | 25 | 89 | 5.7 | 15.2 | TG01 | AF34 |
| 8 | 1/2" | 12.7 | 1.65 | 25 | 64 | 9.3 | 18.8 | TG02 | - |
| 8 | 1/2" | 12.7 | 1.65 | 25 | 89 | 9.3 | 18.8 | TG02 | AF34 |
| 15 | 1/2" | 12.7 | 1.65 | 25 | 89 | 8.2 | 19.9 | TG02 | - |
| 15 | 1/2" | 12.7 | 1.65 | 25 | 108 | 8.2 | 19.9 | TG02 | AF34 |
| 15 | 3/4" | 19.05 | 1.65 | 25 | 89 | 12.1 | 23.8 | TG03 | - |
| 20 | 3/4" | 19.05 | 1.65 | 25 | 102 | 16.0 | 30.3 | TG03 | - |
| 20 | 3/4" | 19.05 | 1.65 | 25 | 117 | 16.0 | 30.3 | TG03 | AF34 |
| 25 | 1" | 25.4 | 1.65 | 50.5 | 114 | 19.0 | 37.0 | TG04 | - |
| 25 | 1" | 25.4 | 1.65 | 50.5 | 127 | 19.0 | 37.0 | TG04 | AF34 |
| 40 | 1 1/2" | 38.1 | 1.65 | 50.5 | 140 | 27.6 | 52.4 | TG05 | - |
| 40 | 1 1/2" | 38.1 | 1.65 | 50.5 | 159 | 27.6 | 52.4 | TG05 | AF34 |
| 50 | 2" | 50.8 | 1.65 | 64 | 159 | 35.5 | 68.3 | TG06 | - |
| 50 | 2" | 50.8 | 1.65 | 64 | 190 | 35.5 | 68.3 | TG06 | AF34 |
| 65 | 2 1/2" | 63.5 | 1.65 | 77.5 | 249 | 43.0 | 83.5 | TG07 | - |
| 80 | 2 1/2" | 63.5 | 1.65 | 77.5 | 216 | 51.0 | 98.1 | TG07 | - |
| 80 | 3" | 76.2 | 1.65 | 91 | 222 | 51.0 | 98.1 | TG08 | - |
| 100 ^{2.)} | 4" | 101.6 | 2.11 | 119 | 306 | 63.5 | 127.0 | TG09 | - |

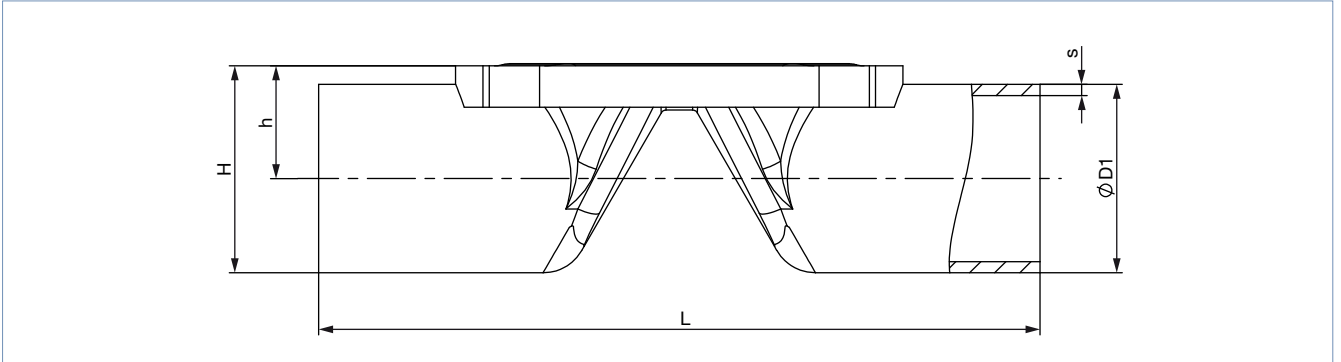
1.) This information is part of the product key (see "8.3. Bürkert Product Enquiry Form" on page 33).

2) Only available as block material

4.4. Tube valve body (VP) with welded connection

Note:

- Dimensions in mm, unless otherwise stated
- Further information on the draining angle can be found in the “Additional manual Type 2xxx 3xxx” on our website (see **operating instructions Type 2103** ▶)..



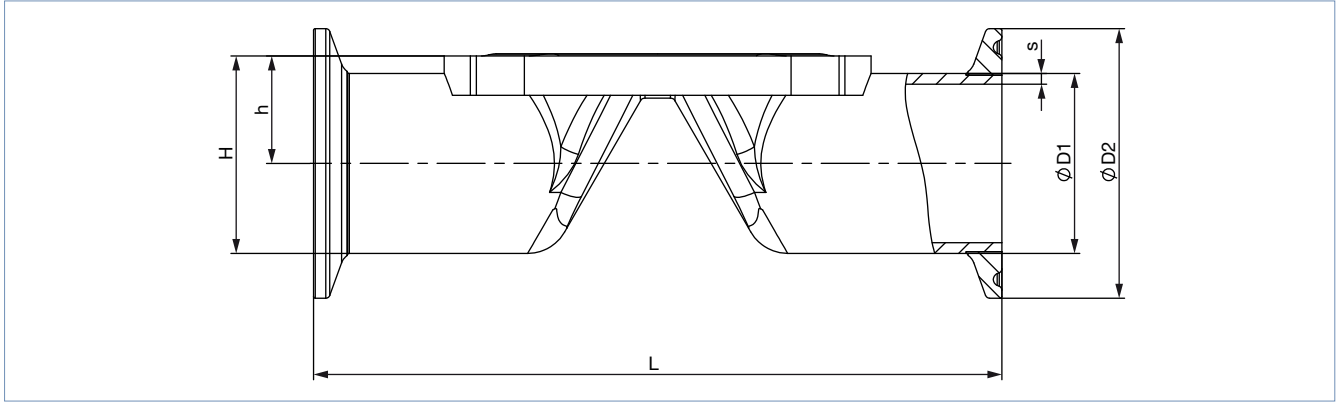
| Diaphragm size | Port connection DN | ØD1 | s | L | h | H | Product key ^{1.)} |
|---|--------------------|-------|------|-----|------|-------|----------------------------|
| DIN EN ISO 1127 / ISO 4200 / DIN 11866 series B | | | | | | | |
| 8 | 8 | 13.5 | 1.6 | 90 | 9.9 | 16.6 | SA40 |
| 8 | 10 | 17.2 | 1.6 | 90 | 11.7 | 20.3 | SA41 |
| 15 | 15 | 21.3 | 1.6 | 110 | 14.4 | 25.0 | SA42 |
| 20 | 20 | 26.6 | 1.6 | 119 | 17.2 | 30.5 | SA43 |
| 25 | 25 | 33.7 | 2 | 129 | 20.6 | 37.4 | SA44 |
| 32 | 32 | 42.4 | 2 | 148 | 25.1 | 46.3 | SA45 |
| 40 | 40 | 48.3 | 2 | 161 | 29.4 | 53.5 | SA46 |
| 50 | 50 | 60.3 | 2 | 192 | 35.4 | 65.5 | SA47 |
| DIN 11850-2 / DIN 11866 series A / DIN EN 10357 series A | | | | | | | |
| 8 | 10 | 13 | 1.5 | 90 | 9.9 | 16.4 | SD40 |
| 15 | 15 | 19 | 1.5 | 110 | 13.2 | 22.7 | SD42 |
| 15 | 20 | 23 | 1.5 | 119 | 15.2 | 26.7 | SD43 |
| 20 | 25 | 29 | 1.5 | 129 | 18.2 | 32.7 | SD44 |
| 25 | 32 | 35 | 1.5 | 148 | 21.2 | 38.7 | SD45 |
| 32 | 40 | 41 | 1.5 | 161 | 24.4 | 44.9 | SD46 |
| 40 | 50 | 53 | 1.5 | 192 | 31.7 | 58.2 | SD47 |
| ASME BPE / DIN 11866 series C | | | | | | | |
| 8 | ½" | 12.7 | 1.65 | 90 | 9.5 | 22.0 | SA92 |
| 15 | ¾" | 19.05 | 1.65 | 117 | 13.2 | 25.7 | SA93 |
| 20 | 1" | 25.4 | 1.65 | 127 | 16.4 | 41.7 | SODF |
| 32 | 1½" | 38.1 | 1.65 | 159 | 23.0 | 48.2 | SODH |
| 40 | 2" | 50.8 | 1.65 | 190 | 30.6 | 62.6 | SODI |
| 50 | 2½" | 63.5 | 1.65 | 192 | 37.4 | 69.1 | SODJ |
| 65 | 3" | 76.2 | 1.65 | 250 | 46.3 | 84.4 | SODK |
| 80 | 4" | 101.6 | 2.11 | 295 | 60.0 | 110.8 | SODL |

1.) This information is part of the product key (see “8.3. Bürkert Product Enquiry Form” on page 33).

4.5. Tube valve body (VP) with clamp connection

Note:

- Dimensions in mm, unless otherwise stated
- Further information on the draining angle can be found in the “Additional manual Type 2xxx 3xxx” on our website (see **operating instructions Type 2103** ▶).



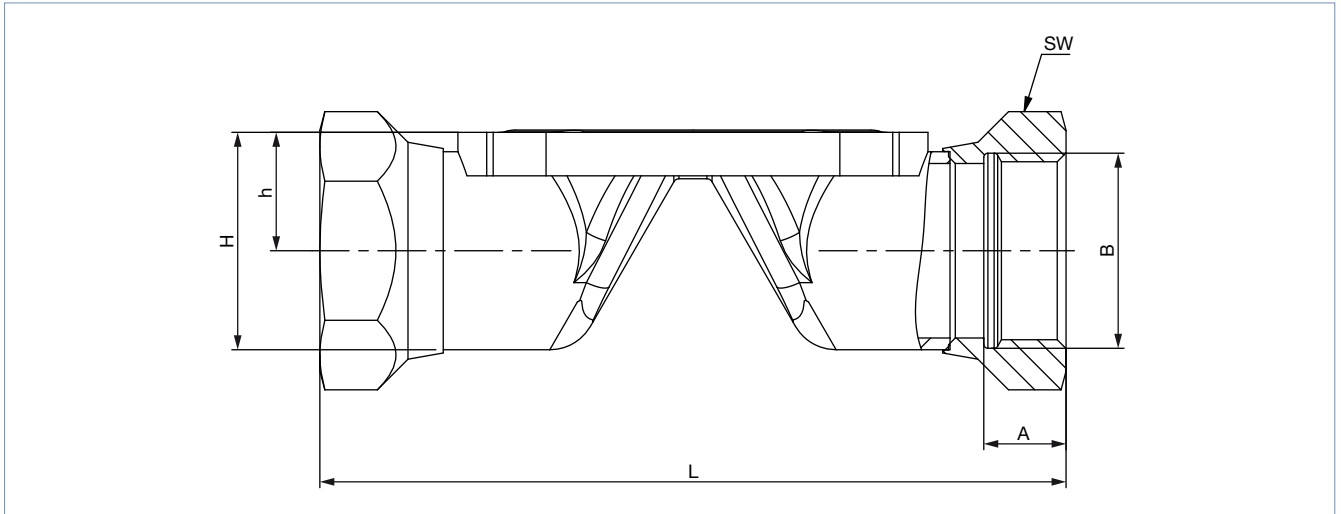
| Diaphragm size | Port connection DN | ØD1 | s | ØD2 | L | h | H | Product key ^{1.)} |
|--------------------------------------|--------------------|-------|------|------|-----|------|------|----------------------------|
| DIN 32676 series B (ISO pipe) | | | | | | | | |
| 8 | 8 | 13.5 | 1.6 | 25 | 89 | 9.9 | 22.4 | TC40 |
| 8 | 10 | 17.2 | 1.6 | 25 | 89 | 11.7 | 24.2 | TC53 |
| 15 | 15 | 21.3 | 1.6 | 50.5 | 110 | 14.4 | 39.6 | TC52 |
| 20 | 20 | 26.9 | 1.6 | 50.5 | 119 | 17.2 | 42.4 | TC43 |
| 25 | 25 | 33.7 | 2 | 50.5 | 129 | 20.6 | 45.8 | TC44 |
| 32 | 32 | 42.4 | 2 | 64 | 148 | 25.1 | 57.1 | TC55 |
| 40 | 40 | 48.3 | 2 | 64 | 161 | 29.4 | 61.4 | TC46 |
| 50 | 50 | 60.3 | 2 | 77.5 | 192 | 35.4 | 74.1 | TC47 |
| DIN 32676 series A (DIN pipe) | | | | | | | | |
| 8 | 10 | 13 | 1.5 | 34 | 89 | 9.9 | 26.9 | TD41 |
| 15 | 15 | 19 | 1.5 | 34 | 110 | 13.2 | 30.2 | TD42 |
| 15 | 20 | 23 | 1.5 | 34 | 119 | 15.2 | 32.2 | TD43 |
| 20 | 25 | 29 | 1.5 | 50.5 | 129 | 18.2 | 43.5 | TD44 |
| 25 | 32 | 35 | 1.5 | 50.5 | 148 | 21.2 | 46.5 | TD45 |
| 32 | 40 | 41 | 1.5 | 50.5 | 161 | 24.4 | 49.7 | TD46 |
| 40 | 50 | 53 | 1.5 | 64 | 192 | 31.7 | 63.7 | TD47 |
| ASME BPE | | | | | | | | |
| 8 | ½" | 12.7 | 1.65 | 25 | 89 | 9.5 | 22.0 | TG02 |
| 15 | ¾" | 19.05 | 1.65 | 25 | 102 | 13.2 | 25.7 | TG03 |
| 20 | 1" | 25.4 | 1.65 | 50.5 | 114 | 16.4 | 41.7 | TG04 |
| 32 | 1½" | 38.1 | 1.65 | 50.5 | 140 | 23.0 | 48.2 | TG05 |
| 40 | 2" | 50.8 | 1.65 | 64 | 159 | 30.6 | 62.6 | TG06 |
| 50 | 2½" | 63.5 | 1.65 | 77.5 | 190 | 37.4 | 69.1 | TG07 |

1.) This information is part of the product key (see “8.3. Bürkert Product Enquiry Form” on page 33).

4.6. Tube valve body (VP) with threaded connection

Note:

- Dimensions in mm, unless otherwise stated
- Further information on the draining angle can be found in the “Additional manual Type 2xxx 3xxx” on our website (see **operating instructions Type 2103** ▶).



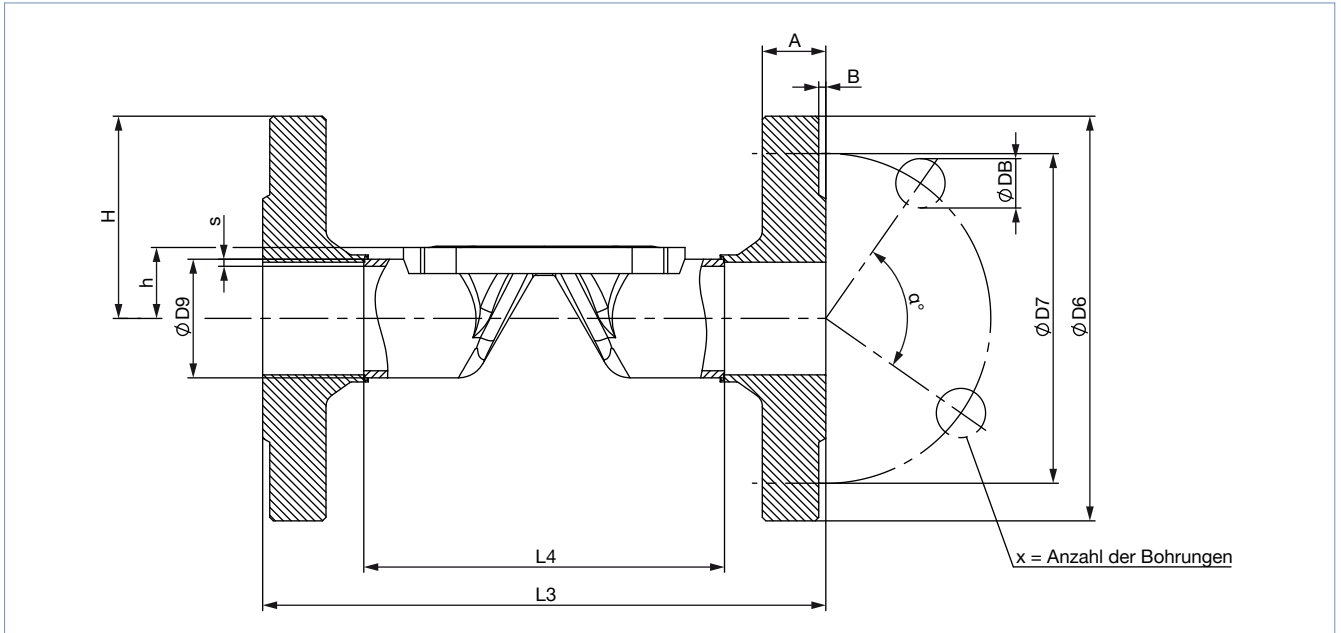
| Diaphragm size | L | A | B | h | H | Spanner width of threaded ports | Product key ^{1.)} |
|----------------|-----|------|--------|------|------|---------------------------------|----------------------------|
| 8 | 85 | 9 | G ¼ | 11.7 | 20.3 | 17 | GM82 |
| 15 | 102 | 14 | G ½ | 14.4 | 25.0 | 27 | GM84 |
| 20 | 118 | 12 | G ¾ | 17.2 | 30.5 | 32 | GM85 |
| 25 | 127 | 14 | G 1 | 20.6 | 37.4 | 41 | GM86 |
| 32 | 146 | 16 | G 1¼ | 25.1 | 46.3 | 50 | GM87 |
| 40 | 159 | 18 | G 1½ | 29.4 | 53.5 | 60 | GM88 |
| 50 | 191 | 20 | G 2 | 35.4 | 65.5 | 70 | GM89 |
| Diaphragm size | L | A | B | h | H | Spanner width of threaded ports | Product key ^{1.)} |
| 8 | 85 | 9,7 | Rc ¼ | 11.7 | 20.3 | 17 | RC82 |
| 15 | 102 | 13,2 | Rc ½ | 14.4 | 25.0 | 27 | RC84 |
| 20 | 118 | 14,5 | Rc ¾ | 17.2 | 30.5 | 32 | RC85 |
| 25 | 127 | 16,8 | Rc 1 | 20.6 | 37.4 | 41 | RC86 |
| 32 | 146 | 19,1 | Rc 1¼ | 25.1 | 46.3 | 50 | RC87 |
| 40 | 159 | 19,1 | Rc 1½ | 29.4 | 53.5 | 60 | RC88 |
| 50 | 191 | 23,4 | Rc 2 | 35.4 | 65.5 | 70 | RC89 |
| Diaphragm size | L | A | B | h | H | Spanner width of threaded ports | Product key ^{1.)} |
| 8 | 85 | 10 | NPT ¼ | 11.7 | 20.3 | 17 | NM82 |
| 15 | 102 | 13,7 | NPT ½ | 14.4 | 25.0 | 27 | NM84 |
| 20 | 118 | 14 | NPT ¾ | 17.2 | 30.5 | 32 | NM85 |
| 25 | 127 | 16,8 | NPT 1 | 20.6 | 37.4 | 41 | NM86 |
| 32 | 146 | 17,3 | NPT 1¼ | 25.1 | 46.3 | 50 | NM87 |
| 40 | 159 | 17,3 | NPT 1½ | 29.4 | 53.5 | 60 | NM88 |
| 50 | 191 | 17,6 | NPT 2 | 35.4 | 65.5 | 70 | NM89 |

1.) This information is part of the product key (see “8.3. Bürkert Product Enquiry Form” on page 33).

4.7. Tube valve body (VP) with flange connection

Note:

- Dimensions in mm, unless otherwise stated
- Further information on the draining angle can be found in the “Additional manual Type 2xxx 3xxx” on our website (see **operating instructions Type 2103** ▶).



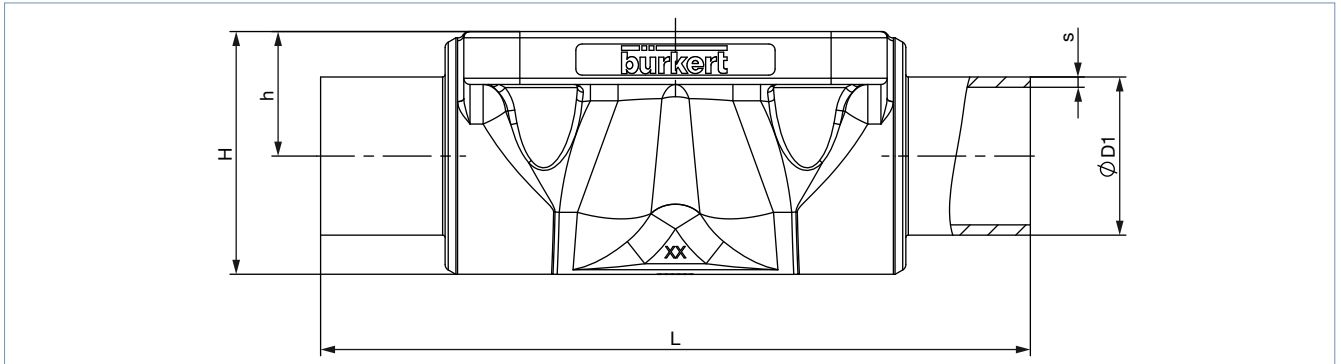
| Diaphragm size | L4 | L3 | s3 | ØD9 | ØD6 | ØD7 | a° | ØDB | A | B | X | Product key ^{1.)} |
|----------------------|-------|-----|-----|------|-------|-------|----|------|------|-----|---|----------------------------|
| DIN EN 1092-1 | | | | | | | | | | | | |
| 15 | 76,5 | 130 | 1,6 | 21.3 | 76.5 | 65.0 | 90 | 14 | 16 | 2 | 4 | FD22 |
| 20 | 92,5 | 150 | 1,6 | 26.9 | 92.5 | 75.0 | 90 | 14 | 18 | 2 | 4 | FD23 |
| 25 | 102,5 | 160 | 2,0 | 33.7 | 102.5 | 85.0 | 90 | 14 | 18 | 2 | 4 | FD24 |
| 32 | 122,5 | 180 | 2,0 | 42.4 | 122.5 | 100.0 | 90 | 18 | 18 | 2 | 4 | FD25 |
| 40 | 136,5 | 200 | 2,0 | 48.3 | 136.5 | 110.0 | 90 | 18 | 18 | 3 | 4 | FD26 |
| 50 | 160,5 | 230 | 2,0 | 60.3 | 160.5 | 125.0 | 90 | 18 | 20 | 3 | 4 | FD27 |
| ANSI B16.5 | | | | | | | | | | | | |
| 15 | 67 | 130 | 1,6 | 21.3 | 89.0 | 60.5 | 90 | 15,7 | 11,2 | 1,6 | 4 | FA02 |
| 25 | 106 | 160 | 2,0 | 33.7 | 108.0 | 79.2 | 90 | 15,7 | 14,2 | 1,6 | 4 | FA04 |
| 40 | 128 | 200 | 2,0 | 48.3 | 127.0 | 98.6 | 90 | 15,7 | 17,5 | 1,6 | 4 | FA06 |
| 50 | 151 | 230 | 2,0 | 60.3 | 152.0 | 120.7 | 90 | 19,1 | 19,1 | 1,6 | 4 | FA07 |
| JIS 10K | | | | | | | | | | | | |
| 15 | 89 | 130 | 1,6 | 21.3 | 95.0 | 70.0 | 90 | 15 | 12 | 1 | 4 | FJ01 |
| 20 | 103 | 150 | 1,6 | 26.9 | 100.0 | 75.0 | 90 | 15 | 14 | 1 | 4 | FJ02 |
| 25 | 116 | 160 | 2,0 | 33.7 | 125.0 | 90.0 | 90 | 19 | 14 | 1 | 4 | FJ03 |
| 40 | 147 | 200 | 2,0 | 48.3 | 140.0 | 105.0 | 90 | 19 | 16 | 2 | 4 | FJ05 |
| 50 | 175 | 230 | 2,0 | 60.3 | 155.0 | 120.0 | 90 | 19 | 16 | 2 | 4 | FJ06 |

1.) This information is part of the product key (see “8.3. Bürkert Product Enquiry Form” on page 33).

4.8. Cast body (VG) with welded connection

Note:

- Dimensions in mm, unless otherwise stated
- Further information on the draining angle can be found in the “Additional manual Type 2xxx 3xxx” on our website (see **operating instructions Type 2103** ▶).



| Diaphragm size | Port connection DN | ØD1 | s | L | h | H | Product key ^{1.)} |
|---|--------------------|-------|------|------|------|-------|----------------------------|
| DIN EN ISO 1127 / ISO 4200 / DIN 11866 series B | | | | | | | |
| 8 | 8 | 13.5 | 1.6 | 90 | 9.6 | 18.5 | SA40 |
| 8 | 10 | 17.2 | 1.6 | 90 | 9.6 | 18.6 | SA41 |
| 15 | 15 | 21.3 | 1.6 | 110 | 13.5 | 25 | SA42 |
| 20 | 15 | 21.3 | 1.6 | 119 | 18 | 32.9 | SA42 |
| 20 | 20 | 26.9 | 1.6 | 119 | 18 | 32.7 | SA43 |
| 25 | 25 | 33.7 | 2 | 129 | 20 | 39 | SA44 |
| 40 | 32 | 42.4 | 2 | 161 | 28.6 | 55 | SA45 |
| 40 | 40 | 48.3 | 2 | 161 | 28.6 | 55 | SA46 |
| 50 | 50 | 60.3 | 2 | 192 | 35.5 | 68 | SA47 |
| 65 | 65 | 76.1 | 2 | 192 | 43 | 82 | SA48 |
| 80 | 80 | 76.1 | 2 | 250 | 51 | 101 | SA48 |
| 80 | 80 | 88.9 | 2.3 | 250 | 51 | 101 | SA49 |
| 100 | 100 | 114.3 | 2.3 | 295 | 63.5 | 123.5 | SA39 |
| DIN 11850-2 / DIN 11866 series A / DIN EN 10357 series A | | | | | | | |
| 8 | 10 | 13 | 1.5 | 90 | 9.6 | 18.6 | SD40 |
| 15 | 15 | 19 | 1.5 | 110 | 13.5 | 25 | SD42 |
| 20 | 20 | 23 | 1.5 | 119 | 18 | 32.8 | SD43 |
| 25 | 25 | 29 | 1.5 | 129 | 20 | 39 | SD44 |
| 40 | 40 | 41 | 1.5 | 161 | 28.6 | 55 | SD46 |
| 50 | 50 | 53 | 1.5 | 192 | 35.5 | 68 | SD47 |
| 65 | 65 | 70 | 2 | 192 | 43 | 82 | SD48 |
| 80 | 80 | 85 | 2 | 250 | 51 | 101 | SD49 |
| 100 | 100 | 104 | 2 | 295 | 63.5 | 123.5 | SD50 |
| ASME BPE / DIN 11866 series C | | | | | | | |
| 8 | ¼" | 6.35 | 0.89 | 64.5 | 9.6 | 18.6 | SA90 |
| 8 | ⅜" | 9.53 | 0.89 | 89 | 9.6 | 18.6 | SA91 |
| 8 | ½" | 12.7 | 1.65 | 89 | 9.6 | 18.6 | SA92 |
| 15 | ¾" | 19.05 | 1.65 | 102 | 13.5 | 25 | SA93 |
| 20 | ¾" | 19.05 | 1.65 | 119 | 18 | 32.8 | SA93 |
| 20 | 1" | 25.4 | 1.65 | 119 | 18 | 32.7 | SODF |
| 25 | 1" | 25.4 | 1.65 | 114 | 20 | 39 | SODF |
| 40 | 1½" | 38.1 | 1.65 | 140 | 28.6 | 55 | SODH |
| 50 | 2" | 50.8 | 1.65 | 159 | 35.5 | 68 | SODI |
| 50 | 2½" | 63.5 | 1.65 | 192 | 35.5 | 68 | SODJ |
| 65 | 2½" | 63.5 | 1.65 | 192 | 43 | 82 | SODJ |
| 80 | 3" | 76.2 | 1.65 | 250 | 51 | 101 | SODK |
| 100 | 4" | 101.6 | 2.11 | 295 | 63.5 | 123.5 | SODL |

DTS 1000450597 EN Version: I Status: RL (released | freigegeben | validé) printed: 24.04.2024

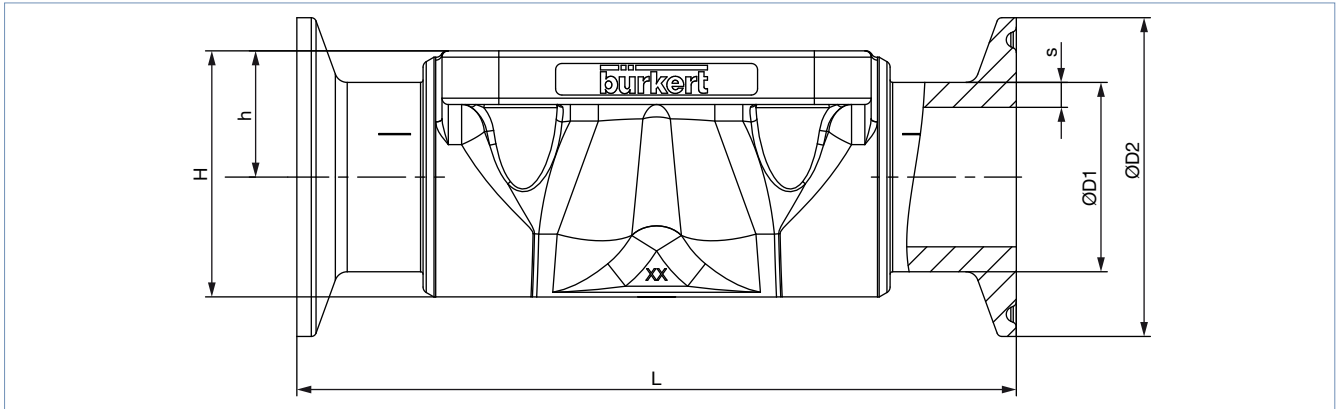
| Diaphragm size | Port connection DN | ØD1 | s | L | h | H | Product key ^{1.)} |
|--------------------|--------------------|-------|------|------|------|-------|----------------------------|
| BS 4825 | | | | | | | |
| 8 | 8 | 6.35 | 1.2 | 64.5 | 9.6 | 18.6 | SODB |
| 8 | 10 | 9.53 | 1.2 | 89 | 9.6 | 18.6 | SODC |
| 8 | 15 | 12.7 | 1.2 | 89 | 9.6 | 18.6 | SODD |
| 15 | 20 | 19.05 | 1.2 | 102 | 14 | 25.5 | SODE |
| 20 | 25 | 25.4 | 1.65 | 119 | 18 | 32.8 | SODF |
| 25 | 25 | 25.4 | 1.65 | 114 | 20 | 39 | SODF |
| 40 | 40 | 38.1 | 1.65 | 140 | 28.6 | 55 | SODH |
| 50 | 50 | 50.8 | 1.65 | 159 | 35.5 | 68 | SODI |
| 50 | 65 | 63.5 | 1.65 | 192 | 35.5 | 68 | SODJ |
| 65 | 65 | 63.5 | 1.65 | 192 | 43 | 82 | SODJ |
| 80 | 80 | 76.2 | 1.65 | 250 | 51 | 101 | SODK |
| 100 | 100 | 101.6 | 2.11 | 295 | 63.5 | 123.5 | SODL |
| SMS 3008 | | | | | | | |
| 20 | 25 | 25 | 1.2 | 119 | 18 | 32.8 | SA60 |
| 25 | 25 | 25 | 1.2 | 129 | 20 | 39 | SA60 |
| 40 | 40 | 38 | 1.2 | 161 | 28.6 | 55 | SA62 |
| 50 | 50 | 51 | 1.2 | 192 | 35.5 | 68 | SA63 |
| DIN 11850-0 | | | | | | | |
| 8 | 4 | 6 | 1 | 90 | 9.6 | 18.6 | SC40 |
| 8 | 6 | 8 | 1 | 90 | 9.6 | 18.6 | SC41 |
| 8 | 8 | 10 | 1 | 90 | 9.6 | 18.6 | SC42 |
| 15 | 15 | 18 | 1.5 | 110 | 13.5 | 25 | SC43 |
| 20 | 20 | 22 | 1.5 | 119 | 18 | 32.8 | SC44 |
| 25 | 25 | 28 | 1.5 | 129 | 20 | 39 | SC45 |
| 25 | 32 | 34 | 1.5 | 129 | 20 | 39 | SC46 |
| 40 | 40 | 40 | 1.5 | 161 | 28.6 | 56 | SC47 |
| 50 | 50 | 52 | 1.5 | 192 | 35.5 | 68 | SC48 |

1.) This information is part of the product key (see "8.3. Bürkert Product Enquiry Form" on page 33).

4.9. Cast body (VG) with clamp connection

Note:

- Dimensions in mm, unless otherwise stated
- Further information on the draining angle can be found in the “Additional manual Type 2xxx 3xxx” on our website (see **operating instructions Type 2103** ▶).



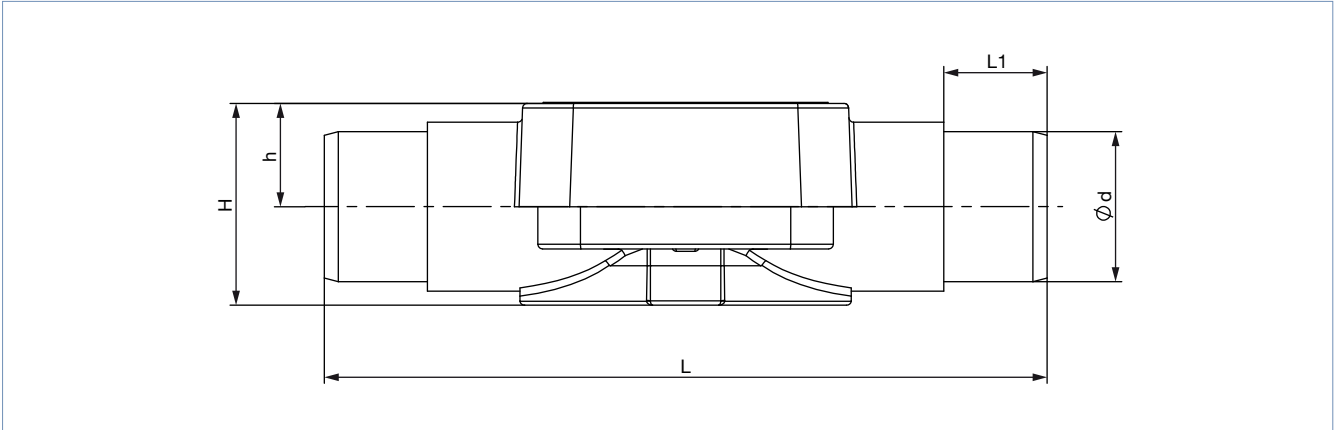
| Diaphragm size | Port connection DN | ØD1 | s | ØD2 | L | h | H | Product key ^{1.)} |
|--|--------------------|-------|------|------|-----|------|-------|----------------------------|
| DIN 32676 series B (ISO pipe) | | | | | | | | |
| 25 | 25 | 33.7 | 2 | 50.5 | 129 | 20 | 39 | TC44 |
| 40 | 40 | 48.3 | 2 | 64 | 161 | 28.6 | 55 | TC46 |
| 50 | 50 | 60.3 | 2 | 77.5 | 192 | 35.5 | 68 | TC47 |
| DIN 32676 series A (DIN pipe) | | | | | | | | |
| 15 | 15 | 19 | 1.5 | 34 | 110 | 13.5 | 25 | TD42 |
| 20 | 20 | 23 | 1.5 | 34 | 119 | 18 | 32.8 | TD43 |
| 25 | 25 | 29 | 1.5 | 50.5 | 129 | 20 | 39 | TD44 |
| 40 | 40 | 41 | 1.5 | 50.5 | 161 | 28.6 | 55 | TD46 |
| 50 | 50 | 53 | 1.5 | 64 | 192 | 35.5 | 68 | TD47 |
| ASME BPE | | | | | | | | |
| 8 | 3/8" | 9.53 | 0.89 | 25 | 89 | 9.6 | 18.6 | TG01 |
| 8 | 1/2" | 12.7 | 1.65 | 25 | 89 | 9.6 | 18.6 | TG02 |
| 15 | 3/4" | 19.05 | 1.65 | 25 | 102 | 13.5 | 23 | TG03 |
| 20 | 3/4" | 19.05 | 1.65 | 25 | 117 | 18 | 25 | TG03 |
| 25 | 1" | 25.4 | 1.65 | 50.5 | 114 | 18 | 40 | TG04 |
| 40 | 1 1/2" | 38.1 | 1.65 | 50.5 | 140 | 28.6 | 55 | TG05 |
| 50 | 2" | 50.8 | 1.65 | 64 | 159 | 35.5 | 68 | TG06 |
| 50 | 2 1/2" | 63.5 | 1.65 | 77.5 | 190 | 35.5 | 68 | TG07 |
| 65 | 2 1/2" | 63.5 | 1.65 | 77.5 | 249 | 43 | 82 | TG07 |
| 80 | 3" | 76.2 | 1.65 | 91 | 306 | 51 | 101 | TG08 |
| 100 | 4" | 101.6 | 2.11 | 119 | 352 | 63.5 | 123.5 | TG09 |
| BS 4825: Clamp BS 4825-3 / pipe BS 4825-1 | | | | | | | | |
| 8 | 15 | 12.7 | 1.2 | 25 | 89 | 9.6 | 18.9 | TH42 |
| 15 | 20 | 19.05 | 1.2 | 25 | 102 | 13.5 | 25 | TH43 |
| 25 | 25 | 25.4 | 1.65 | 50.5 | 114 | 20 | 39 | TG04 |
| 40 | 40 | 38.1 | 1.65 | 50.5 | 140 | 28.6 | 55 | TG05 |
| 50 | 50 | 50.8 | 1.65 | 64 | 159 | 35.5 | 68 | TG06 |
| 50 | 65 | 63.5 | 1.65 | 77.5 | 190 | 35.5 | 68 | TG07 |
| Clamp 34.0 similar to DIN 32676 series B (ISO pipe) | | | | | | | | |
| 15 | 15 | 21.3 | 1.6 | 34 | 110 | 13.5 | 25 | TC42 |

1.) This information is part of the product key (see “8.3. Bürkert Product Enquiry Form” on page 33).

4.10. Plastic body (PV, PD, PP) with spigot connections

Note:

Dimensions in mm, unless otherwise stated



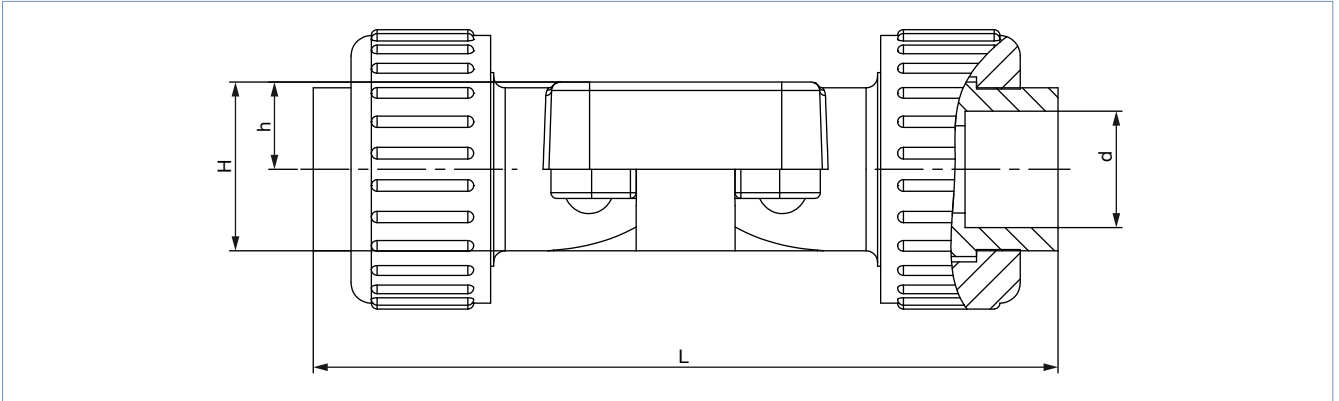
| Diaphragm size | Ø d | Wall thickness | h | H | L | L1 | Product key ^{1.)} |
|------------------------------|-----|----------------|------|------|-----|----|----------------------------|
| PVC-U (PV) | | | | | | | |
| 15 | 20 | 2.5 | 15 | 29 | 124 | 16 | KS25 |
| 20 | 25 | 2.5 | 18.5 | 36 | 144 | 19 | KS26 |
| 25 | 32 | 3.5 | 22 | 43 | 154 | 22 | KS27 |
| 32 | 40 | 4 | 27 | 52.5 | 174 | 26 | KS28 |
| 40 | 50 | 5 | 33 | 65.5 | 194 | 31 | KS29 |
| 50 | 63 | 6.5 | 40 | 79 | 224 | 44 | KS30 |
| PVDF (PD) and PP (PP) | | | | | | | |
| 15 | 20 | 2.5 | 15 | 29 | 124 | 16 | SS25 |
| 20 | 25 | 2.5 | 18.5 | 36 | 144 | 19 | SS26 |
| 25 | 32 | 3.5 | 22 | 43 | 154 | 22 | SS27 |
| 32 | 40 | 4 | 27 | 52.5 | 174 | 26 | SS28 |
| 40 | 50 | 5 | 33 | 65.5 | 194 | 31 | SS29 |
| 50 | 63 | 6.5 | 40 | 79 | 224 | 44 | SS30 |

1.) This information is part of the product key (see "8.3. Bürkert Product Enquiry Form" on page 33).

4.11. Plastic body (PV, PD, PP) with true union

Note:

Dimensions in mm, unless otherwise stated



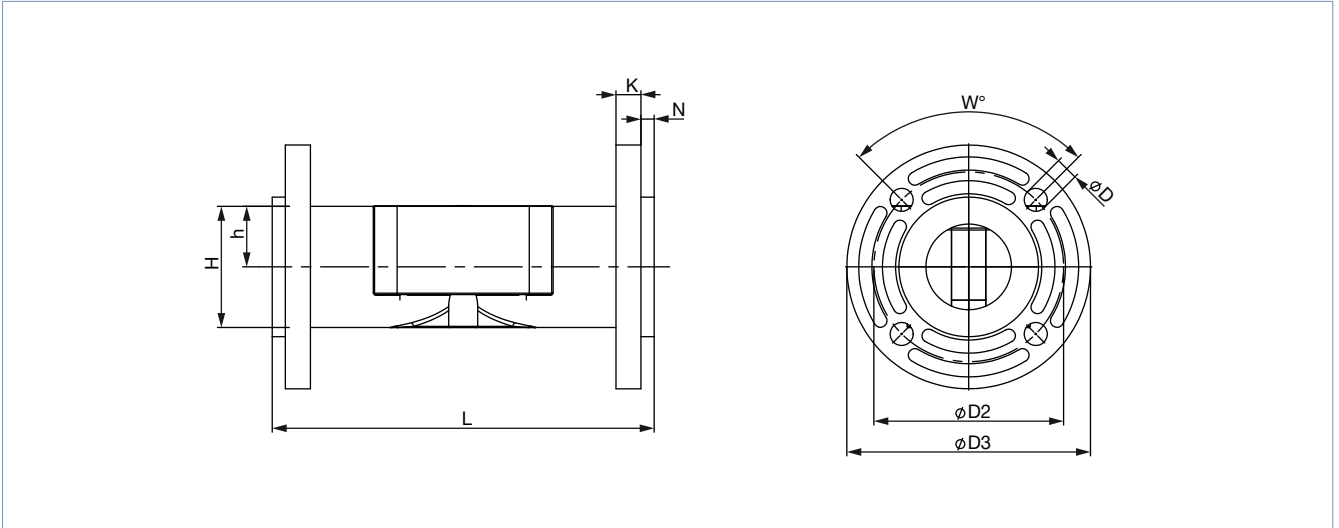
| Diaphragm size | L | h | H | Ød | Product key ^{1.)} |
|-------------------|-----|------|------|----|----------------------------|
| PVC-U (PV) | | | | | |
| 15 | 128 | 15 | 29 | 20 | KM25 |
| 20 | 152 | 18.5 | 36 | 25 | KM26 |
| 25 | 166 | 22 | 43 | 32 | KM27 |
| 32 | 192 | 27 | 52.5 | 40 | KM28 |
| 40 | 222 | 33 | 65.5 | 50 | KM29 |
| 50 | 266 | 40 | 79 | 63 | KM30 |
| PVDF (PD) | | | | | |
| 15 | 129 | 15 | 29 | 20 | SM25 |
| 20 | 150 | 18.5 | 36 | 25 | SM26 |
| 25 | 162 | 22 | 43 | 32 | SM27 |
| 32 | 184 | 27 | 52.5 | 40 | SM28 |
| 40 | 210 | 33 | 65.5 | 50 | SM29 |
| 50 | 248 | 40 | 79 | 63 | SM30 |
| PP (PP) | | | | | |
| 15 | 125 | 15 | 29 | 20 | SM25 |
| 20 | 146 | 18.5 | 36 | 25 | SM26 |
| 25 | 158 | 22 | 43 | 32 | SM27 |
| 32 | 181 | 27 | 52.5 | 40 | SM28 |
| 40 | 207 | 33 | 65.5 | 50 | SM29 |
| 50 | 245 | 40 | 79 | 63 | SM30 |

1.) This information is part of the product key (see "8.3. Bürkert Product Enquiry Form" on page 33).

4.12. Plastic body (PV, PD, PP) with flange connection

Note:

Dimensions in mm, unless otherwise stated



| Diaphragm size | L | ØD2 | ØD3 | K | H | h | ØD | W | N | Product key ^{1.)} |
|--|-----|------|-----|----|-------|------|----|-------|-----|----------------------------|
| PVC-U (PV), PVDF (PD) and PP (PP) | | | | | | | | | | |
| 15 | 130 | 65.5 | 96 | 12 | - | - | 14 | 4x90° | 5.9 | FL24 |
| 20 | 150 | 75 | 105 | 14 | - | - | 14 | 4x90° | 6.9 | FL25 |
| 25 | 160 | 85 | 115 | 15 | - | - | 14 | 4x90° | 6.9 | FL26 |
| 32 | 180 | 100 | 140 | 17 | - | - | 18 | 4x90° | 7.9 | FL27 |
| 40 | 200 | 110 | 150 | 17 | - | - | 18 | 4x90° | 8 | FL28 |
| 50 | 230 | 125 | 165 | 18 | - | - | 18 | 4x90° | 9 | FL29 |
| 65 | 290 | 145 | 185 | 19 | 92 | 47 | 18 | 4x90° | 10 | FL30 |
| 80 | 310 | 160 | 200 | 36 | 107 | 50 | 18 | 8x45° | - | FF31 |
| 100 | 350 | 180 | 225 | 35 | 134.5 | 65.5 | 18 | 8x45° | - | FF32 |

1.) This information is part of the product key (see "8.3. Bürkert Product Enquiry Form" on page 33).

5. Performance specifications

5.1. Flow characteristics

Note:

- The K_v values may vary slightly with different actuator sizes and diaphragm materials.
- More K_v values are available on request.
- Flow rate: K_v value water (m³/h) for elastomer diaphragm
- Measurement at +20 °C, 4 bar at valve inlet and 3 bar at valve outlet

Forged body (VS)

| Diaphragm size | Port connection | | K _v value [m ³ /h] | | | | | |
|----------------|-----------------|--------|---|--|-----------------------------------|---------------------|---------------------|---------------------|
| | | | DIN EN ISO 1127 ISO 4200 DIN 11866 series B | DIN 11850-2 DIN 11866 series A DIN EN 10357 series A | ASME BPE DIN 11866 series C | DIN 11850-0 | BS4825 | SMS3008 |
| DN | [mm] | [inch] | [m ³ /h] | [m ³ /h] | [m ³ /h] | [m ³ /h] | [m ³ /h] | [m ³ /h] |
| 8 | 6 | 1/8" | – | – | – | 1.1 | – | – |
| 8 | 8 | 1/4" | 1.5 | – | 0.7 | 1.7 | 0.5 | – |
| 8 | 10 | 3/8" | 1.5 | 1.5 | 1.6 | – | 1.4 | – |
| 8 | 15 | 1/2" | – | – | 1.5 | – | – | – |
| 15 | 10 | 3/8" | 5.5 | 3.5 | – | – | – | – |
| 15 | 15 | 1/2" | 6.5 | 6.5 | 3.1 | – | 3.7 | – |
| 15 | 20 | 3/4" | – | – | 6.5 | – | – | – |
| 20 | 20 | 3/4" | 12.5 | 12.4 | 8.4 | – | 8.9 | – |
| 25 | 25 | 1" | 18 | 20 | 15.5 | – | 15.5 | 16 |
| 40 | 32 | 1 1/4" | – | 34 | – | – | – | – |
| 40 | 40 | 1 1/2" | 41 | 40 | 37 | – | 37 | 38 |
| 50 | 50 | 2" | 66 | 66 | 66 | – | 66 | 66 |
| 50 | 65 | 2 1/2" | – | – | 66 | – | 66 | 66 |
| 65 | 65 | 2 1/2" | 110 | – | 110 | – | – | – |
| 80 | 80 | 3" | 160 | 160 | 160 | – | – | – |
| 100 | 100 | 4" | 235 | 235 | 235 | – | – | – |

Tube valve body (VP)

| Diaphragm size | Port connection | | K _v value [m ³ /h] | | |
|----------------|-----------------|--------|---|--|--------------------------------|
| | | | DIN EN ISO 1127 ISO 4200 DIN 11866 series B | DIN 11850-2 DIN 11866 series A DIN EN 10357 series A | ASME BPE DIN 11866 series C |
| DN | [mm] | [inch] | [m ³ /h] | [m ³ /h] | [m ³ /h] |
| 8 | 8 | 1/4" | 1.9 | – | – |
| 8 | 10 | 3/8" | – | 1.9 | – |
| 8 | 15 | 1/2" | – | – | 1.8 |
| 15 | 10 | 3/8" | – | – | 7.1 |
| 15 | 15 | 1/2" | 7.2 | 7.4 | – |
| 15 | 20 | 3/4" | – | 7.4 | – |
| 20 | 20 | 3/4" | 13.5 | – | – |
| 20 | 25 | 1" | – | 14.9 | 12.8 |
| 25 | 32 | 1 1/4" | – | 22.3 | – |
| 25 | 25 | 1" | 20.8 | – | – |
| 32 | 40 | 1 1/2" | – | 34.8 | 31 |
| 40 | 40 | 1 1/2" | 47.9 | – | – |
| 40 | 50 | 2" | – | 46.2 | 43 |
| 50 | 50 | 2" | 69.7 | – | – |
| 65 | 80 | 3" | – | – | 75 |
| 80 | 100 | 4" | – | – | 145 |

DTS 1000450597 EN Version: | Status: RL (released | freigegeben | validé) printed: 24.04.2024

Cast body (VG)

| Diaphragm size DN | Port connection | | K _v value [m ³ /h] |
|----------------------|-----------------|--------|---|
| | [mm] | [inch] | |
| 8 | 8 | ¼" | 1 |
| 15 | 15 | ½" | 5.6 |
| 20 | 20 | ¾" | 10.7 |
| 25 | 25 | 1" | 14.6 |
| 40 | 40 | 1½" | 35 |
| 50 | 50 | 2" | 47 |
| 65 | 65 | 2½" | 110 |
| 80 | 80 | 3" | 130 |
| 100 | 100 | 4" | 150 |

Plastic body (PV, PD, PP)

| Diaphragm size DN | Port connection | | K _v value [m ³ /h] |
|----------------------|-----------------|--------|---|
| | [mm] | [inch] | |
| 15 | 15 | ½" | 3 |
| 20 | 20 | ¾" | 7 |
| 25 | 25 | 1" | 11.4 |
| 32 | 32 | 1¼" | 17 |
| 40 | 40 | 1½" | 24.5 |
| 50 | 50 | 2" | 41.5 |
| 65 | 65 | 2½" | 60 |
| 80 | 80 | 3" | 105 |
| 100 | 100 | 4" | 154 |

5.2. Medium pressure

Information for control function A

Note:

- For low operating pressures, optional variants with reduced spring force are recommended.
- Pressure data [bar]: Overpressure to atmospheric pressure. The valve closes dynamically against maximum operating pressure.
- Information for control function B and I is available on request.

| Diaphragm size DN | Actuator size Ø [mm] | Pilot pressure [bar] | Maximum operating pressure for seal material | |
|----------------------|-------------------------|-------------------------|--|--|
| | | | EPDM, FKM [bar] | PTFE/EPDM, advanced PTFE/EPDM, laminate of GYLON® and EPDM [bar] |
| 8 | 50 (D) | 5.0...10,0 | 10,0 | 10,0 |
| 15 | 50 (D) | 5.0...10,0 | 7.5 | – |
| | 70 (M) | | 10,0 | 10,0 |
| 20 | 70 (M) | 5.0...10,0 | 10,0 | 10,0 |
| 25 | 70 (M) | 5.0...10,0 | 6.5 | 4.5 |
| | 90 (N) | 5.0...10,0 | 10,0 | 8,0 |
| 32 | 90 (N) | 5.0...10,0 | 8,0 | 6,0 |
| 40 | 90 (N) ¹⁾ | 5.0...10,0 | 5.5 | 5,0 |
| | 130 (P) | 5.0...7,0 | 10,0 | 10,0 |
| 50 | 130 (P) | 5.0...7,0 | 8,0 | 7,0 |
| 65 | 130 (P) | 5.0...7,0 | 5,5 | 3,5 |
| | 225 (L) | 5.0...7,0 | 8,0 | 8,0 ²⁾ |
| 80 | 225 (L) | 5.0...7,0 | 10,0 | 8,0 |
| 100 | 225 (L) | 5.0...7,0 | 8,0 | 5,5 |

1.) The Gylon version is not available.

2.) Gylon 6,5

6. Product accessories

| | |
|---|--|
| Electrical position indicator | |
| Control head | |
| Type 8691 ▶ Actuator size Ø 70/90/130/225 mm | |
|  | <p>The control heads Type 8691 and Type 8695 are optimised for integrated mounting on process valves of the 21XX series. The valve position is detected without contact via an analogue sensor element. The sensor element automatically detects and stores the valve end positions during commissioning using the teach function. The integrated pilot valve controls single-acting or double-acting actuators. The valve switching status is indicated by coloured high-performance LEDs.</p> <p>Features</p> <ul style="list-style-type: none"> • Status indication via coloured high-performance LEDs • Wear-free inductive position sensor • Pilot valve with manual override • Teach function for automatic recognition of valve end positions • Hygienic stainless steel design • Easy-to-clean, chemically resistant housing according to IP65/67, 4X rating • AS-Interface, IO-Link, Bürkert system bus (büS) |
| Type 8695 ▶ Actuator size Ø 50 mm | |
|  | <p>Customer benefits</p> <ul style="list-style-type: none"> • Simple and safe commissioning using the teach function • Easy process monitoring and fault detection through visible coloured high-performance LEDs • High degree of system availability due to increased actuator service life by means of spring chamber ventilation • Minimal space requirement in plant piping for more flexibility in plant design |
| Pneumatic control unit/position feedback | |
| Type 8690 ▶ Actuator size Ø 70/90/130/225 mm | |
|  | <p>The pneumatic control units Type 8690 and 8697 are optimised for integrated mounting on process valves of the 21XX series. Mechanical or inductive limit switches detect the valve position. The integrated pilot valve controls single-acting or double-acting (Type 8690) actuators.</p> <p>Features</p> <ul style="list-style-type: none"> • Optical position indicator • Mechanical or inductive proximity switches for end position detection • Pilot valve with manual override • Compact design • Easy-to-clean, chemically resistant housing according to IP65/67, 4X rating • Optionally intrinsically safe design according to ATEX/IECEx |
| Type 8697 ▶ Actuator size Ø 50 mm | |
|  | <p>Customer benefits</p> <ul style="list-style-type: none"> • Simple and safe commissioning using the teach function (Type 8697) • Signal reliability due to the automatic adjustment of the limit switches • Minimal space requirement in plant piping for more flexibility in plant design |

DTS 1000450597 EN Version: | Status: RL (released | freigegeben | validé) printed: 24.04.2024

Process controller TopControl

Type 8693 ▶ Actuator size Ø 70/90/130/225 mm



The intelligent process controller Type 8693 is designed for integrated mounting on pneumatic actuators from the process control valve series Type 23xx/2103 and especially for the requirements of hygienic process conditions. Using the TUNE functions, the positioner and process controller can be initialised automatically. Easy operation and selection of additional software functions as well as parameterisation are carried out via the large graphic display and a touch keypad. Device configuration and parameterisation can also be conveniently carried out by the Bürkert Communicator software via a PC interface.

Features

- Contactless position sensor
- Universal control system for single and double acting actuators
- Highly dynamic actuating system without internal control air consumption in the balanced state
- Integrated diagnostic functions for valve monitoring
- Automatic initialisation of the positioner and process controller using the TUNE function
- Safeguarding in the event of failure of the electrical or pneumatic auxiliary power
- PROFIBUS DPV1, EtherNet/IP, PROFINET, Modbus TCP, Bürkert system bus (bÜS)
- Compact and robust hygienic stainless steel design

Customer benefits

- Quick and easy commissioning
- Intuitive and simple operation via a graphic display with backlight and touch keypad
- High system availability due to increased drive service life by means of spring chamber ventilation
- Guaranteed reliability and predictable maintenance through valve monitoring and diagnostics
- Easy maintenance and process monitoring

Positioner TopControl

Type 8692 ▶ Actuator size Ø 70/90/130/225 mm



The intelligent electropneumatic positioner Type 8692 is designed for integrated attachment to pneumatic actuators of the process control valve series Type 23xx/2103 and especially for the requirements of hygienic process conditions. The positioner can be initialised automatically using the TUNE function. Easy operation and the selection of the extensive additional software functions as well as parameterisation are carried out via the large graphic display and the touch keypad. The device configuration and parameterisation can also be conveniently carried out using the Bürkert Communicator software via a PC interface.

Features

- Contactless position sensor
- Universal positioning system for single and double-acting actuators in the balanced state
- Highly dynamic positioning system without internal control air consumption
- Integrated diagnostic functions for valve monitoring
- Automatic initialisation of the positioner by using the TUNE function
- Safeguard in the event of failure of the electrical or pneumatic auxiliary power
- PROFIBUS DPV1, EtherNet/IP, PROFINET, Modbus TCP, Bürkert system bus (bÜS)
- Compact and robust hygienic stainless steel design

Customer benefits

- Quick and easy commissioning
- Intuitive and simple operation via graphic display with backlight and touch keypad
- High system availability due to increased drive service life by means of spring chamber ventilation
- Guaranteed reliability and predictable maintenance through valve monitoring and diagnostics

DTS 1000450597 EN Version: | Status: RL (released | freigegeben | validé) printed: 24.04.2024

Positioner TopControl BASIC

Type 8694 ▶ Actuator size Ø 70/90/130/225 mm



The compact positioner Type 8694/8696 is designed for integrated attachment to pneumatic actuators of the Type 23xx/2103 process control valve series and especially for the requirements of hygienic process conditions. Operation and parameterisation are performed via push buttons and DIP switches. The device configuration and parameterisation can also be conveniently carried out using the Bürkert Communicator software via a PC interface.

Features

- Contactless position sensor
- Universal positioning system for single and double-acting actuators
- Ultra dynamic positioning system without internal control air consumption
- AS-Interface, IO-Link, Bürkert system bus (bÜS) (only 8694)
- Compact and robust hygienic stainless steel design

Type 8696 ▶ Actuator size Ø 50 mm



Customer benefits

- Simple and safe commissioning using the Teach function
- Minimum space requirement in the plant pipework for more flexibility in plant design
- High system availability due to increased drive service life by means of spring chamber ventilation

Process controller SideControl Remote

Type 8793 ▶ with remote sensor 8798 ▶ Actuator size Ø 70/90/130/225 mm



The intelligent digital positioner and process controller Type 8793 is designed for mounting on lift or swivel drives with standardisation in accordance with IEC 534 - 6 or VDI/VDE 3845 for demanding control tasks. The variant with remote position sensor Type 8798 is used to control Bürkert process control valves. It is operated via a graphic display with backlight. The initialisation of the positioner and process controller can be done automatically using the TUNE function. The type of controlled system is automatically recognised and the appropriate controller structure with the corresponding optimum parameter set is determined.




Features

- Universal control system for single and double acting actuators
- Integrated diagnostic functions for valve monitoring
- Automatic initialisation of the position and process controller using the TUNE function
- Ultra-dynamic actuating system without internal control air consumption
- Illuminated graphic display with backlight and touch keypad
- PROFIBUS DPV1, EtherNet/IP, PROFINET, Modbus TCP, Bürkert system bus (bÜS)
- Compact and robust design
- Adaptation according to IEC 534 - 6 or VDI/VDE 3845 for lift and swivel drives or as remote variant on Bürkert process valves

Customer benefits

- Quick and easy commissioning
- Intuitive and simple operation via graphic display with backlight and touch keypad
- Guaranteed reliability and scheduled maintenance thanks to valve monitoring and diagnostics
- Easy maintenance and process monitoring
- Long service life

DTS 1000450597 EN Version: | Status: RL (released | freigegeben | validé) printed: 24.04.2024

| Positioner SideControl Remote | |
|---|--|
| Positioner Type 8792 ▶ with remote sensor Type 8798 ▶ Actuator size Ø 70/90/130/225 mm | |
|  | <p>The intelligent digital positioner and process controller Type 8792 is designed for attachment to lift and swivel drives with standardisation according to IEC 534 -6 or VDI/VDE 3845 for demanding control tasks. The Type 8798 version with remote position sensor is used to control Bürkert process control valves. It is operated via a graphic display with backlight. The initialisation of the positioner and process controller can be done automatically by using the TUNE function.</p> <p>Features</p> <ul style="list-style-type: none"> • Illuminated graphic display with backlight and touch keypad • Universal control system for single and double acting actuators • Ultra-dynamic actuating system without internal control air consumption • Integrated diagnostic functions for valve monitoring • PROFIBUS DPV1, EtherNet/IP, PROFINET, Modbus TCP, Bürkert system bus (bùS) • Compact and robust design • Adaptation according to IEC 534 -6 or VDI/VDE 3845 for lift and swivel drives or as remote variant on Bürkert process valves <p>Customer benefits</p> <ul style="list-style-type: none"> • Quick and easy commissioning • Intuitive and simple operation via a graphic display with backlight and touch keypad • Guaranteed reliability and scheduled maintenance thanks to valve monitoring and diagnostics • Long service life |
| | Positioner SideControl BASIC Remote |
| Positioner Type 8791 ▶ with remote sensor Type 8798 ▶ Actuator size Ø 70/90/130/225 mm | |
|  | <p>The positioner Type 8791 is designed for mounting on lift or swivel drives with standardisation in accordance with IEC 534 -6 or VDI/VDE 3845 for simple control tasks. The variant with the remote sensor Type 8798 is used to control Bürkert process control valves. All operating elements are located inside the housing.</p> <p>Features</p> <ul style="list-style-type: none"> • Simple design • Universal control system for single and double acting actuators • Highly dynamic actuating system without internal control air consumption in the balanced state • Adaptation according to IEC 534 -6 or VDI/VDE 3845 for lift and swivel drives or as remote variant on Bürkert process valves • AS-Interface, IO-Link, Bürkert system bus (bùS) (only for positioner Type 8791 BASIC Remote) <p>Customer benefits</p> <ul style="list-style-type: none"> • Simple commissioning • Simple device for simple control tasks • Low energy consumption |
| | <p>Positioner IP20 Type 8791 ▶ with remote sensor Type 8798 ▶ Actuator size Ø 70/90/130/225 mm</p>  |

DTS 1000450597 EN Version: I Status: RL (released | freigegeben | validé) printed: 24.04.2024

7. Networking and combination with other Bürkert products

7.1. Possible combinations

For ELEMENT valve system Type 8802-DF with TopControl

Note:

The continuous ELEMENT valve system Type 8802-DF consists of a diaphragm valve Type 2103 and a digital electropneumatic positioner Type 8692 (for valve actuator size Ø 70/90/130/225 mm), a digital electropneumatic process controller Type 8693 (for valve actuator size Ø 70/90/130/225 mm), a basic digital electropneumatic positioner Type 8694 (for valve actuator size Ø 70/90/130/225 mm) or a digital electropneumatic positioner Type 8696 (for valve actuator size Ø 50 mm).

You order two components and receive a completely assembled and tested valve.

Example:



DTS 1000450597 EN Version: | Status: RL (released | freigegeben | validé) printed: 24.04.2024

For ELEMENT valve system Type 8802-DF with SideControl Remote

Note:

The **continuous ELEMENT valve system Type 8802-DF** with **SideControl** consists of a **diaphragm valve Type 2103** and a digital electropneumatic **SideControl process controller Type 8793** (for valve actuator size Ø 70/90/130/225 mm) or a digital electropneumatic **SideControl positioner Type 8792/8791** (for valve actuator size Ø 70/90/130/225 mm).

The SideControls can only be used in combination with the position measuring system Type 8798.

You order two components and receive a completely assembled and tested valve.

Example:



For ELEMENT valve system Type 8801-DF with control head or pneumatic control unit/position feedback

Note:

A decentralised automated **valve system On/Off ELEMENT Type 8801-DF** consists of a **diaphragm valve Type 2103** and a **valve control head Type 8691/8695** or a **pneumatic control unit Type 8690/8697**.

You order two components and receive a completely assembled and tested valve.

Example:



8. Ordering information

8.1. Bürkert eShop



Bürkert eShop – Easy ordering and quick delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

[Order online now](#)

8.2. Bürkert product filter



Bürkert product filter – Get quickly to the right product

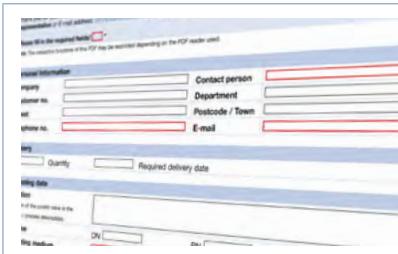
You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

[Try out our product filter](#)

8.3. Bürkert Product Enquiry Form

Note:

Please see our Product Enquiry Form for a full explanation of our specification key.



Bürkert Product Enquiry Form – Your enquiry quickly and compactly

Would you like to make a specific product enquiry based on your technical requirements? Use our Product Enquiry Form for this purpose. There you will find all the relevant information for your Bürkert contact. This will enable us to provide you with the best possible advice.

[Fill out the form now](#)

DTS 1000450597 EN Version: | Status: RL (released | freigegeben | valide) printed: 24.04.2024