



## T-diaphragm valve with pneumatic plastic actuator (Type CLASSIC)

- 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 2933**  
2/2-way diaphragm valve with manually operated actuator (basic)



**Type 2036**  
Robolux multiway diaphragm valve, pneumatically operated



**Type 8690**  
Pneumatic control unit for decentralised automation of process valves ELEMENT



**Type 8697**  
Pneumatic control unit for decentralised automation of process valves ELEMENT



**Type 8098**  
FLOWave SAW flowmeter

### Type description

The externally controlled diaphragm valve Type 2032 consists of a pneumatically operated piston actuator, a diaphragm and a T-valve body. The proven and robust actuator with a plastic 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 (PPS variant). The integration of the automation units Type 8690/8697 is possible in all configuration levels (can be retrofitted). An explosion-proof ATEX/IECEx device variant is available.

The add-on body is optionally available in plastic or stainless steel. The actuator is equipped with an integrated, optical position indicator as standard, optionally a minimum/maximum stroke limiter can be installed.

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## 1. General technical data

| Product properties                              |                                                                                                                                                                                                                                             |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions                                      | Further information can be found in chapter "5. Dimensions" on page 9.                                                                                                                                                                      |
| Material                                        |                                                                                                                                                                                                                                             |
| Block body (VH) <sup>1.)</sup>                  | Stainless steel block material 1.4435 according to DIN EN 10088 and 316L according to ASTM A479 / A479M                                                                                                                                     |
| Block body (VI) <sup>1.)</sup>                  | Stainless steel block material 1.4435 according to DIN EN 10088 and 316L according to ASME BPE (Table MM- 2.1.1, Ed. 2024)<br>BN2 available on request                                                                                      |
| Diaphragm                                       | EPDM (AD) <sup>1.)</sup> , PTFE/EPDM (EA) <sup>1.)</sup> , Advanced PTFE/EPDM (EU) <sup>1.)</sup> , laminate of GYLON® and EPDM (ER) <sup>1.)</sup>                                                                                         |
| Actuator                                        | PPS, PA                                                                                                                                                                                                                                     |
| Diaphragm size                                  | 8...100                                                                                                                                                                                                                                     |
| Standard surface quality                        |                                                                                                                                                                                                                                             |
| Block body (VH/VI) <sup>1.)</sup>               | Internally electrically polished: Ra ≤ 0.38 µm (NO17) <sup>1.)</sup> (ASME BPE SF4 / DIN HE4)<br>(externally Ra ≤ 1.6 µm)<br>Internally mechanically polished: Ra ≤ 0.5 µm (NO14) <sup>1.)</sup> (ASME BPE SF1)<br>(externally Ra ≤ 1.6 µm) |
| Performance data                                |                                                                                                                                                                                                                                             |
| Maximum pilot pressure (CF A)                   | 7 bar (for actuator size 40 <sup>1.)</sup> ...125 <sup>1.)</sup> /PPS)<br>6 bar (for actuator size 175 <sup>1.)</sup> and 225 <sup>1.)</sup> /PA)<br>See "6.1. Medium pressure" on page 16                                                  |
| Pilot air port                                  | Thread G ¼, thread G ⅜ for actuator size 40 and 50                                                                                                                                                                                          |
| Medium data                                     |                                                                                                                                                                                                                                             |
| Operating medium                                | Neutral gases and liquids, highly purified, sterile, aggressive or abrasive mediums<br>(see <b>resistance chart</b> ►)                                                                                                                      |
| Medium temperature                              |                                                                                                                                                                                                                                             |
| EPDM (AD) <sup>1.)</sup>                        | - 10 °C...+ 143 °C (steam sterilisation <sup>3.)</sup> max.+ 150 °C for 60 min)                                                                                                                                                             |
| PTFE/EPDM (EA) <sup>1.)</sup>                   | - 10 °C...+ 130 °C (steam sterilisation <sup>3.)</sup> max.+ 140 °C for 60 min)                                                                                                                                                             |
| Advanced PTFE/EPDM (EU) <sup>1.)</sup>          | - 5 °C...+ 143 °C (steam sterilisation <sup>3.)</sup> max.+ 150 °C for 60 min)                                                                                                                                                              |
| Laminate of GYLON® and EPDM (ER) <sup>1.)</sup> | - 5 °C...+ 130 °C (steam sterilisation <sup>3.)</sup> max.+ 140 °C for 60 min)                                                                                                                                                              |
| Control medium                                  | Neutral gases, air                                                                                                                                                                                                                          |
| Product connections                             |                                                                                                                                                                                                                                             |
| Port connection <sup>2.)</sup>                  |                                                                                                                                                                                                                                             |
| Nominal diameter                                | DN 06...DN 100 (⅛"...4")                                                                                                                                                                                                                    |
| Stainless steel body <sup>2.)</sup>             |                                                                                                                                                                                                                                             |
| Welded connection <sup>2.)</sup>                | DIN EN ISO 1127 / ISO 4200 / DIN 11866 series B<br>DIN 11850 - 2 / DIN 11866 series A / DIN EN 10357 series A<br>ASME BPE / DIN 11866 series C                                                                                              |
| Clamp connection <sup>2.)</sup>                 | DIN 32676 series A (DIN pipe)<br>DIN 32676 series B (ISO pipe)<br>ASME BPE                                                                                                                                                                  |
| Environment and installation                    |                                                                                                                                                                                                                                             |
| Installation position                           | See <b>operating manual Type 2032</b> ►                                                                                                                                                                                                     |
| Ambient temperature                             |                                                                                                                                                                                                                                             |
| PPS, actuator size ≤ 80 mm                      | + 5 °C...+ 140 °C                                                                                                                                                                                                                           |
| PPS, actuator size 100 mm, 125 mm               | + 5 °C...+ 90 °C (short-term up to + 140 °C)                                                                                                                                                                                                |
| PA, actuator size ≤ 125 mm                      | - 10 °C...+ 60 °C                                                                                                                                                                                                                           |
| PA, actuator size ≥ 175 mm                      | - 10 °C...+ 50 °C                                                                                                                                                                                                                           |

1.) This information is part of the product key (see "9.3. Bürkert Product Enquiry Form" on page 19).

2.) Other variants are available on request.

3.) Extending the sterilisation time is permitted, but may affect the service life and maintenance intervals.

2. Control functions

| Symbol | Description                                                                                                                           |
|--------|---------------------------------------------------------------------------------------------------------------------------------------|
|        | <b>Control function A (CF A)</b><br>Pneumatically operated T-valve<br>Normally closed by spring force                                 |
|        | <b>Control function B (CF B)</b><br>Pneumatically operated T-valve<br>Normally opened by spring force                                 |
|        | <b>Control function I (CF I)</b><br>Pneumatically operated T-valve on either side<br>Switching position dependent on external control |

### 3. Approvals and conformities

#### 3.1. 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 variants can be supplied with the below mentioned approvals or conformities.

#### 3.2. Conformity

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

#### 3.3. 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.

#### 3.4. Explosion protection

Approval




Description

**Optional: Explosion protection (valid for the variable code PX51)**  
As a category 2 device suitable for zone 1/21 and zone 2/22.

**ATEX:**  
EPS 18 ATEX 2 008 X  
II 2G Ex h IIC T4...T2 Gb  
II 2D Ex h IIC T135 °C...T300 °C Db

**IECEx:**  
IECEx EPS 18.0007X  
Ex h IIC T4...T2 Gb  
Ex h IIC T135 °C...T300 °C Db

|                             |                    |                    |                    |
|-----------------------------|--------------------|--------------------|--------------------|
| Temperature class           | T2                 | T3                 | T4                 |
| Maximum surface temperature | + 300 °C           | + 200 °C           | + 135 °C           |
| Ambient temperature         | - 40 °C...+ 130 °C | - 40 °C...+ 130 °C | - 40 °C...+ 100 °C |
| Maximum medium temperature  | + 285 °C           | + 185 °C           | + 125 °C           |

**Note:** The ambient and medium temperature range may be limited by non-ex-relevant specifications. Observe the Operating Instructions.

#### 3.5. Foods and beverages/Hygiene

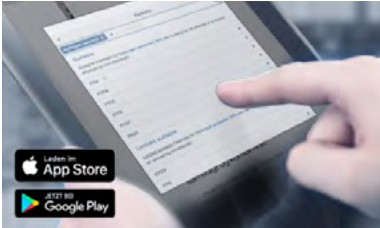
| Conformity                                                                          | Description                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>3-A Sanitary Standards Inc. (valid for the variable code PE05)</b><br/>The products comply with 3-A Sanitary Standards Inc (3-A SSI) as per certificate.</p>                                                                                                                             |
| FDA                                                                                 | <p><b>FDA – Code of Federal Regulations</b><br/>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>                       |
| USP                                                                                 | <p><b>United States Pharmacopeial Convention (USP)</b><br/>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><b>EC Regulation 1935/2004 of the European Parliament and of the Council</b><br/>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> |

3.6. Others

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

4. Materials

4.1. 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.

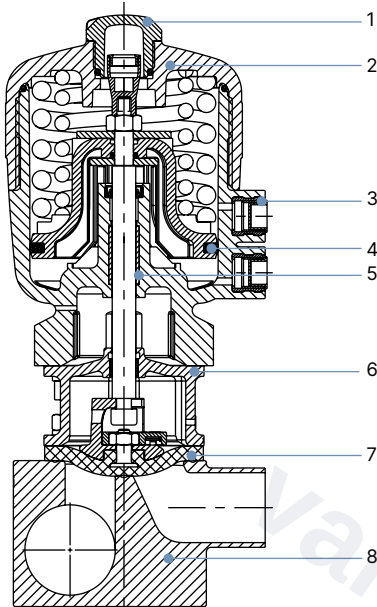
[Start chemical resistance check](#)

valvesgo.com

4.2. Material specifications

Actuator size 40...125

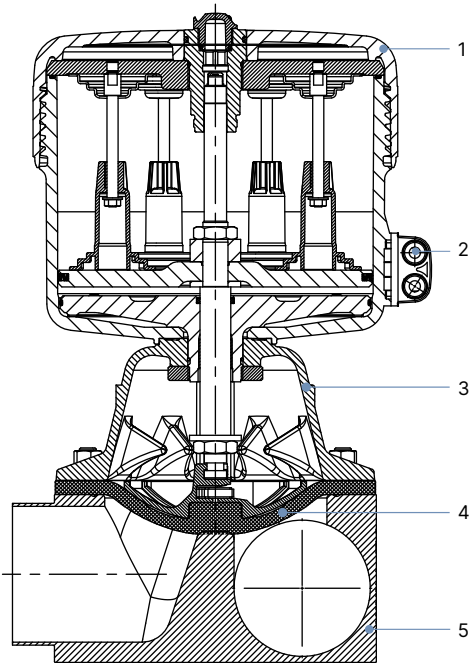
**Note:**  
The exemplary representation may differ from the actual product.



| No. | Element         | Material                                                                                   |
|-----|-----------------|--------------------------------------------------------------------------------------------|
| 1   | Transparent cap | Polysulfone PSU                                                                            |
| 2   | Cover           | Polyphenylene sulphide PPS (standard)<br>Polyamide PA (on request)                         |
| 3   | Pilot air ports | Stainless steel 1.4305                                                                     |
| 4   | Piston seal     | FKM                                                                                        |
| 5   | Socket          | Sinter metal                                                                               |
| 6   | Interface       | Stainless steel 1.4404                                                                     |
| 7   | Diaphragm       | EPDM (AD), PTFE/EPDM (EA),<br>Advanced PTFE/EPDM (EU),<br>laminate of GYLON® and EPDM (ER) |
| 8   | Valve body      | See "1. General technical data" on page 3                                                  |

Actuator size 175 and 225

**Note:**  
The exemplary representation may differ from the actual product.



| No. | Element          | Material                                                                                   |
|-----|------------------|--------------------------------------------------------------------------------------------|
| 1   | Cover            | Polyamide PA                                                                               |
| 2   | Pilot air ports  | Stainless steel 1.4305                                                                     |
| 3   | Diaphragm bonnet | Stainless steel 1.4308                                                                     |
| 4   | Diaphragm        | EPDM (AD), PTFE/EPDM (EA),<br>Advanced PTFE/EPDM (EU),<br>laminate of GYLON® and EPDM (ER) |
| 5   | Valve body       | See "1. General technical data" on page 3                                                  |

#### 4.3. Example of available diaphragm 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)

Further information can be found in our flyer "Diaphragm competence for hygienic applications" on our **website** ►.

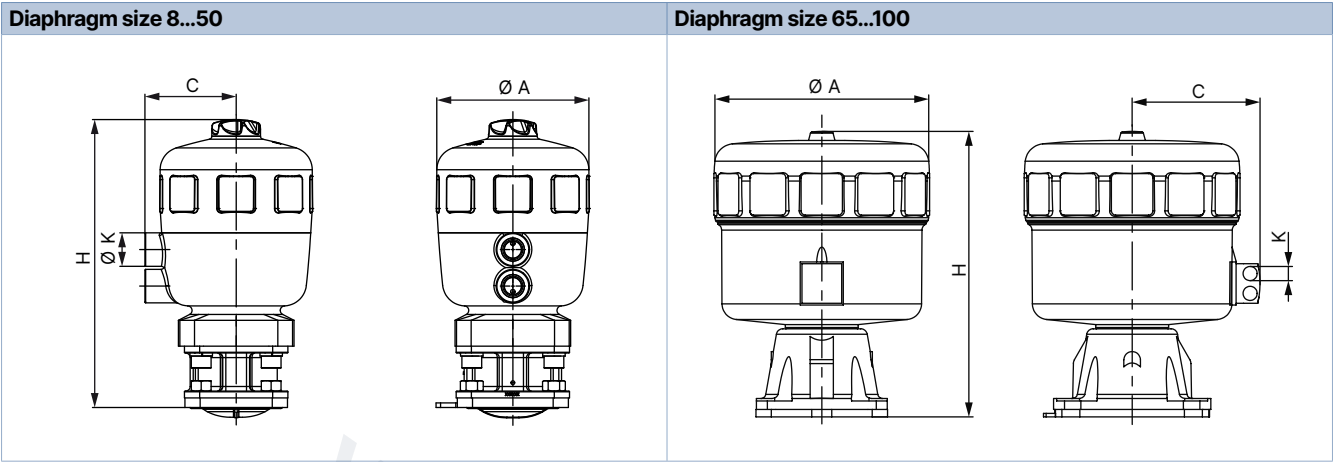
5. Dimensions

5.1. Actuator

CLASSIC actuator with interface for block mounting (MT85)

Note:

Dimensions in mm, unless otherwise stated

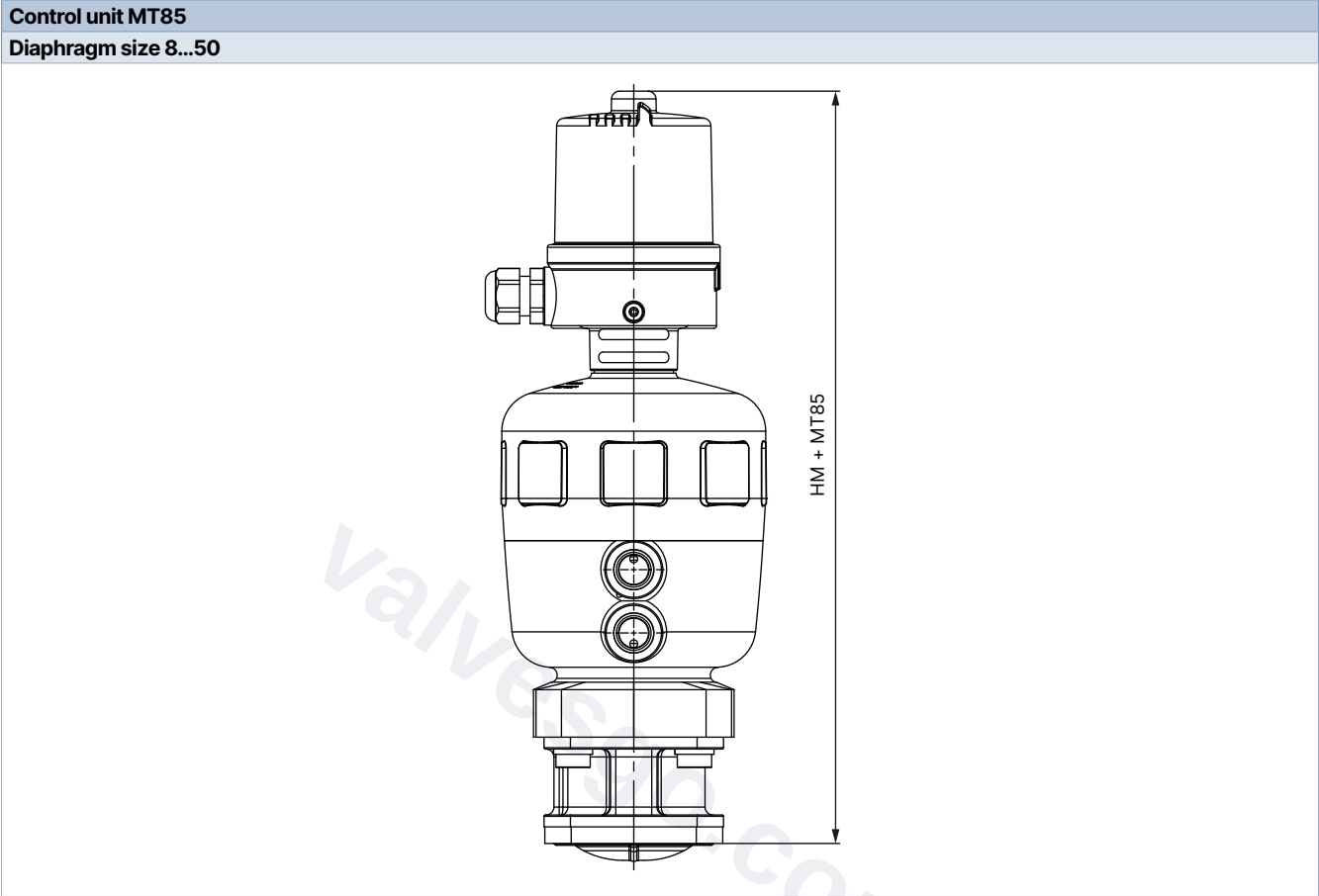


| Diaphragm size | Actuator size Ø | Ø A | C   | K      | H   |
|----------------|-----------------|-----|-----|--------|-----|
| 8              | 40 (C)          | 53  | 34  | G 1/8" | 111 |
| 15             | 50 (D)          | 64  | 39  | G 1/8" | 137 |
|                | 63 (E)          | 80  | 52  | G 1/4" | 154 |
| 20             | 63 (E)          | 80  | 52  | G 1/4" | 165 |
|                | 80 (F)          | 101 | 52  | G 1/4" | 186 |
| 25             | 63 (E)          | 80  | 52  | G 1/4" | 170 |
|                | 80 (F)          | 101 | 60  | G 1/4" | 190 |
| 40             | 100 (G)         | 127 | 73  | G 1/4" | 246 |
|                | 125 (H)         | 158 | 86  | G 1/4" | 284 |
| 50             | 100 (G)         | 127 | 73  | G 1/4" | 254 |
|                | 125 (H)         | 158 | 86  | G 1/4" | 288 |
| 65             | 175 (K)         | 211 | 130 | G 1/4" | 350 |
| 80             | 175 (K)         | 211 | 130 | G 1/4" | 350 |
|                | 225 (L)         | 261 | 155 | G 1/4" | 345 |
| 100            | 225 (L)         | 261 | 155 | G 1/4" | 345 |

DTS 1000450592 EN Version: - Status: RL (released | freigegeben | valide) printed: 07.10.2026

CLASSIC actuator with control unit Type 8697

**Note:**  
Dimensions in mm, unless otherwise stated

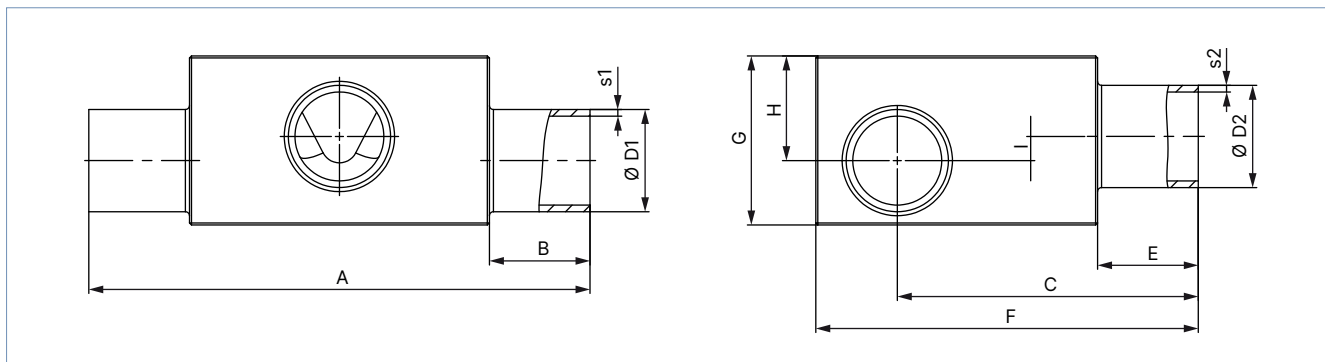


| Diaphragm size | Actuator size Ø | HM + MT85 |
|----------------|-----------------|-----------|
| 8              | 40 (C)          | 207       |
| 15             | 50 (D)          | 233       |
|                | 63 (E)          | 249       |
| 20             | 63 (E)          | 261       |
|                | 80 (F)          | 281       |
| 25             | 63 (E)          | 266       |
|                | 80 (F)          | 286       |
| 40             | 100 (G)         | 339       |
|                | 125 (H)         | 377       |
| 50             | 100 (G)         | 347       |
|                | 125 (H)         | 381       |
| 65             | 175 (K)         | 437       |
| 80             | 175 (K)         | 446       |
|                | 225 (L)         | 440       |
| 100            | 225 (L)         | 440       |

## 5.2. T-Body with welded connection

### Note:

Dimensions in mm, unless otherwise stated



| Diaphragm size                                         | Port 1 – Port 2 DN | Ø D1 | s1  | Ø D2 | s2  | A    | B  | C    | E  | F   | G  | H  | I    | Product key <sup>1)</sup><br>(Port 1 – Port 2) |
|--------------------------------------------------------|--------------------|------|-----|------|-----|------|----|------|----|-----|----|----|------|------------------------------------------------|
| <b>DIN EN ISO 1127 / ISO 4200 / DIN 11866 series B</b> |                    |      |     |      |     |      |    |      |    |     |    |    |      |                                                |
| 8                                                      | 8...8              | 13.5 | 1.6 | 13.5 | 1.6 | 78.0 | 20 | 47.2 | 20 | 60  | 24 | 15 | 5.0  | SA40-SA40                                      |
|                                                        | 10...8             | 17.2 |     | 13.5 |     | 78.0 |    | 49.0 |    | 60  | 29 | 18 | 8.0  | SA41-SA40                                      |
|                                                        | 10...10            | 17.2 |     | 17.2 |     | 78.0 |    | 49.0 |    | 60  | 29 | 18 | 8.0  | SA41-SA41                                      |
|                                                        | 15...8             | 21.3 |     | 13.5 |     | 78.0 |    | 51.1 |    | 64  | 34 | 21 | 11.0 | SA42-SA40                                      |
|                                                        | 15...10            | 21.3 |     | 17.2 |     | 78.0 |    | 51.1 |    | 64  | 34 | 21 | 11.0 | SA42-SA41                                      |
|                                                        | 20...8             | 26.9 |     | 13.5 |     | 88.0 | 25 | 53.9 |    | 70  | 38 | 23 | 13.0 | SA43-SA40                                      |
|                                                        | 20...10            | 26.9 |     | 17.2 |     | 88.0 |    | 53.9 |    | 70  | 38 | 23 | 13.0 | SA43-SA41                                      |
|                                                        | 25...8             | 33.7 | 2.0 | 13.5 |     | 88.0 |    | 53.9 |    | 76  | 45 | 26 | 16.0 | SA44-SA40                                      |
|                                                        | 25...10            | 33.7 |     | 17.2 |     | 88.0 |    | 53.9 |    | 76  | 45 | 26 | 16.0 | SA44-SA41                                      |
|                                                        | 32...8             | 42.4 |     | 13.5 |     | 88.0 |    | 60.5 |    | 84  | 52 | 29 | 19.0 | SA45-SA40                                      |
|                                                        | 32...10            | 42.4 |     | 17.2 |     | 88.0 |    | 61.2 |    | 84  | 52 | 29 | 19.0 | SA45-SA41                                      |
|                                                        | 40...8             | 48.3 |     | 13.5 |     | 88.0 |    | 64.2 |    | 90  | 57 | 31 | 21.0 | SA46-SA40                                      |
|                                                        | 40...10            | 48.3 |     | 17.2 |     | 88.0 |    | 64.2 |    | 90  | 57 | 31 | 20.0 | SA46-SA41                                      |
|                                                        | 50...8             | 60.3 |     | 13.5 |     | 98.0 | 30 | 70.2 |    | 102 | 66 | 34 | 24.0 | SA47-SA40                                      |
|                                                        | 50...10            | 60.3 |     | 17.2 |     | 98.0 |    | 70.2 |    | 102 | 66 | 34 | 24.0 | SA47-SA41                                      |
|                                                        | 65...8             | 76.1 |     | 13.5 |     | 98.0 |    | 78.1 |    | 118 | 80 | 40 | 30.0 | SA48-SA40                                      |
|                                                        | 80...8             | 88.9 | 2.3 | 13.5 |     | 98.0 |    | 84.2 |    | 131 | 92 | 46 | 36.0 | SA49-SA40                                      |
|                                                        | 80...10            | 88.9 |     | 17.2 |     | 98.0 |    | 84.2 |    | 131 | 92 | 46 | 35.0 | SA49-SA41                                      |

| Diaphragm size | Port 1 – Port 2 DN | ØD1   | s1  | ØD2  | s2  | A     | B  | C     | E  | F     | G    | H  | I    | Product key <sup>1)</sup><br>(Port 1 – Port 2) |
|----------------|--------------------|-------|-----|------|-----|-------|----|-------|----|-------|------|----|------|------------------------------------------------|
| 15             | 8...8              | 13.5  | 1.6 | 13.5 | 1.6 | 93.0  | 20 | 52.05 | 20 | 70    | 27   | 17 | 4.5  | SA40-SA40                                      |
|                | 10...8             | 17.2  |     | 13.5 |     | 93.0  |    | 53.9  |    | 70    | 31   | 18 | 4.5  | SA41-SA40                                      |
|                | 10...10            | 17.2  |     | 17.2 |     | 93.0  |    | 54.9  |    | 70    | 28   | 16 | 2.5  | SA41-SA41                                      |
|                | 15...8             | 21.3  |     | 13.5 |     | 93.0  |    | 57    |    | 71    | 34.5 | 21 | 7.5  | SA42-SA40                                      |
|                | 15...15            | 21.3  |     | 21.3 |     | 93.0  |    | 56    |    | 71    | 35   | 21 | 6.5  | SA42-SA42                                      |
|                | 20...8             | 26.9  |     | 13.5 |     | 103.0 | 25 | 59.8  |    | 76    | 41   | 25 | 11.5 | SA43-SA40                                      |
|                | 20...10            | 26.9  |     | 17.2 |     | 103.0 |    | 59.8  |    | 78    | 42   | 25 | 11.5 | SA43-SA41                                      |
|                | 20...15            | 26.9  |     | 21.3 |     | 103.0 |    | 59.8  |    | 78    | 42   | 25 | 11.5 | SA43-SA42                                      |
|                | 25...10            | 33.7  | 2.0 | 17.2 |     | 103.0 |    | 63    |    | 83    | 48   | 28 | 14.5 | SA44-SA41                                      |
|                | 25...15            | 33.7  |     | 21.3 |     | 103.0 |    | 62.8  |    | 83    | 47   | 28 | 14.5 | SA44-SA42                                      |
|                | 32...8             | 42.4  |     | 13.5 |     | 103.0 |    | 67.1  |    | 91    | 56   | 32 | 18.5 | SA45-SA40                                      |
|                | 32...10            | 42.4  |     | 17.2 |     | 103.0 |    | 67.1  |    | 91    | 56   | 32 | 18.5 | SA45-SA41                                      |
|                | 32...15            | 42.4  |     | 21.3 |     | 103.0 |    | 67.1  |    | 91    | 56   | 32 | 18.5 | SA45-SA42                                      |
|                | 40...8             | 48.3  |     | 13.5 |     | 103.0 |    | 70.1  |    | 97    | 63   | 35 | 21.5 | SA46-SA40                                      |
|                | 40...10            | 48.3  |     | 17.2 |     | 103.0 |    | 70.1  |    | 97    | 63   | 35 | 21.5 | SA46-SA41                                      |
|                | 40...15            | 48.3  |     | 21.3 |     | 103.0 |    | 70.1  |    | 97    | 63   | 35 | 21.5 | SA46-SA42                                      |
|                | 50...8             | 60.3  |     | 13.5 |     | 113.0 | 30 | 76.1  |    | 109   | 72   | 38 | 24.5 | SA47-SA40                                      |
|                | 50...10            | 60.3  |     | 17.2 |     | 113.0 |    | 76.1  |    | 109   | 72   | 38 | 24.5 | SA47-SA41                                      |
|                | 50...15            | 60.3  |     | 21.3 |     | 113.0 |    | 76.1  |    | 109   | 72   | 38 | 24.5 | SA47-SA42                                      |
|                | 65...8             | 76.1  |     | 13.5 |     | 113.0 |    | 84    |    | 125   | 85   | 44 | 30.5 | SA48-SA40                                      |
|                | 65...15            | 76.1  |     | 21.3 |     | 113.0 |    | 84    |    | 125   | 85   | 44 | 30.5 | SA48-SA42                                      |
|                | 80...8             | 88.9  | 2.3 | 13.5 |     | 113.0 |    | 90.1  |    | 140   | 99   | 52 | 38.5 | SA49-SA40                                      |
|                | 80...10            | 88.9  |     | 17.2 |     | 113.0 |    | 90.1  |    | 137   | 94   | 47 | 33.5 | SA49-SA41                                      |
|                | 80...15            | 88.9  |     | 21.3 |     | 113.0 |    | 90.1  |    | 137   | 94   | 47 | 33.5 | SA49-SA42                                      |
|                | 100...15           | 114.3 |     | 21.3 |     | 113.0 |    | 102.8 |    | 163   | 120  | 60 | 46.5 | SA39-SA42                                      |
| 20             | 20...20            | 26.9  | 1.6 | 26.9 | 1.6 | 114.0 | 25 | 70.3  | 25 | 87    | 40   | 24 | 6.0  | SA43-SA43                                      |
|                | 25...20            | 33.7  | 2.0 | 26.9 |     | 114.0 |    | 73.3  |    | 94    | 48   | 28 | 10.0 | SA44-SA43                                      |
|                | 32...20            | 42.4  |     | 26.9 |     | 114.0 |    | 78.6  |    | 102   | 57   | 33 | 15.0 | SA45-SA43                                      |
|                | 40...20            | 48.3  |     | 26.9 |     | 114.0 |    | 80.6  |    | 108   | 63   | 35 | 17.0 | SA46-SA43                                      |
|                | 50...20            | 60.3  |     | 26.9 |     | 124.0 | 30 | 87    |    | 120.8 | 72   | 39 | 21.0 | SA47-SA43                                      |
|                | 65...20            | 76.1  |     | 26.9 |     | 124.0 |    | 94.5  |    | 136   | 86   | 45 | 27.0 | SA48-SA43                                      |
|                | 80...20            | 88.9  | 2.3 | 26.9 |     | 124.0 |    | 100.6 |    | 148   | 94   | 47 | 29.0 | SA49-SA43                                      |
|                | 100...20           | 114.3 |     | 26.9 |     | 124.0 |    | 113.3 |    | 173   | 120  | 60 | 42.0 | SA39-SA43                                      |
| 25             | 25...25            | 33.7  | 2.0 | 33.7 | 2.0 | 124.5 | 25 | 78.6  | 25 | 98    | 53   | 33 | 13.0 | SA44-SA44                                      |
|                | 32...25            | 42.4  |     | 33.7 |     | 124.5 |    | 82.9  |    | 107   | 62   | 38 | 18.0 | SA45-SA44                                      |
|                | 40...25            | 48.3  |     | 33.7 |     | 124.5 |    | 85.9  |    | 114   | 69   | 41 | 21.0 | SA46-SA44                                      |
|                | 50...25            | 60.3  |     | 33.7 |     | 134.5 | 30 | 81.9  |    | 125   | 78   | 45 | 25.0 | SA47-SA44                                      |
|                | 65...25            | 76.1  |     | 33.7 |     | 134.5 |    | 99.8  |    | 142   | 94   | 52 | 32.0 | SA48-SA44                                      |
|                | 80...25            | 88.9  | 2.3 | 33.7 |     | 134.5 |    | 105.9 |    | 153   | 101  | 54 | 34.0 | SA49-SA44                                      |
|                | 150...25           | 168.3 | 2.6 | 33.7 |     | 134.5 |    | 145.3 |    | 232   | 174  | 87 | 67.0 | SA69-SA44                                      |
| 40             | 32...32            | 42.4  | 2.0 | 42.4 | 2.0 | 152.0 | 25 | 98.00 | 25 | 122   | 62   | 38 | 9.4  | SA45-SA45                                      |
|                | 40...32            | 48.3  |     | 42.4 |     | 152.0 |    | 100   |    | 128   | 68   | 41 | 12.4 | SA46-SA45                                      |
|                | 40...40            | 48.3  |     | 48.3 |     | 152.0 |    | 100   |    | 128   | 68   | 41 | 12.4 | SA46-SA46                                      |
|                | 50...32            | 60.3  |     | 42.4 |     | 162.0 | 30 | 106   |    | 140   | 82   | 48 | 19.4 | SA47-SA45                                      |
|                | 50...40            | 60.3  |     | 48.3 |     | 162.0 |    | 106   |    | 140   | 82   | 48 | 19.4 | SA47-SA46                                      |
|                | 65...40            | 76.1  |     | 48.3 |     | 162.0 |    | 113.9 |    | 155   | 97   | 55 | 26.4 | SA48-SA46                                      |
|                | 80...32            | 88.9  | 2.3 | 42.4 |     | 162.0 |    | 120   |    | 168   | 108  | 60 | 31.4 | SA49-SA45                                      |
|                | 80...40            | 88.9  |     | 48.3 |     | 162.0 |    | 120   |    | 168   | 108  | 60 | 31.4 | SA49-SA46                                      |
|                | 100...32           | 114.3 |     | 42.4 |     | 162.0 |    | 132.7 |    | 193   | 129  | 68 | 39.4 | SA39-SA45                                      |
|                | 100...40           | 114.3 |     | 48.3 |     | 162.0 |    | 132.7 |    | 193   | 129  | 68 | 39.4 | SA39-SA46                                      |
|                |                    |       |     |      |     |       |    |       |    |       |      |    |      |                                                |
| 50             | 50...50            | 60.3  | 2.0 | 60.3 | 2.0 | 188.0 | 30 | 120.2 | 30 | 154   | 82   | 48 | 12.5 | SA47-SA47                                      |
|                | 65...50            | 76.1  |     | 60.3 |     | 188.0 |    | 128.1 |    | 170   | 100  | 56 | 20.5 | SA48-SA47                                      |
|                | 80...50            | 88.9  | 2.3 | 60.3 |     | 188.0 |    | 134.2 |    | 183   | 110  | 61 | 25.5 | SA49-SA47                                      |
|                | 100...50           | 114.3 |     | 60.3 |     | 188.0 |    | 146.9 |    | 208   | 131  | 70 | 34.5 | SA39-SA47                                      |
|                | 150...50           | 168.3 | 2.6 | 60.3 |     | 188.0 |    | 173.6 |    | 261   | 176  | 88 | 52.5 | SA69-SA47                                      |

| Diaphragm size                                                    | Port 1 – Port 2 DN | ØD1    | s1   | ØD2   | s2   | A     | B  | C      | E  | F   | G   | H    | I    | Product key <sup>1)</sup><br>(Port 1 – Port 2) |
|-------------------------------------------------------------------|--------------------|--------|------|-------|------|-------|----|--------|----|-----|-----|------|------|------------------------------------------------|
| 65                                                                | 65 - 65            | 76.1   | 2.0  | 76.1  | 2.0  | 210   | 30 | 144.4  | 30 | 186 | 97  | 55   | 12.9 | SA48-SA48                                      |
|                                                                   | 80 - 65            | 88.9   | 2.3  | 76.1  |      | 210   |    | 148.7  |    | 197 | 111 | 63   | 20.5 | SA49-SA48                                      |
|                                                                   | 100 - 65           | 114.3  |      | 76.1  |      | 210   |    | 161.4  |    | 222 | 135 | 74   | 31.5 | SA39-SA48                                      |
| 80                                                                | 80 - 80            | 88.9   | 2.3  | 88.9  | 2.3  | 255   | 30 | 163.1  | 30 | 212 | 119 | 71   | 20   | SA49-SA49                                      |
|                                                                   | 100 - 80           | 114.3  |      | 88.9  |      | 255   |    | 177.8  |    | 239 | 144 | 83   | 32   | SA39-SA49                                      |
| 100                                                               | 100                | 114.3  | 2.3  | 114.3 | 2.3  | 290   | 30 | 209.1  | 30 | 270 | 133 | 72   | 8.5  | SA39-SA39                                      |
| <b>DIN 11850 - 2 / DIN 11866 series A / DIN EN 10357 series A</b> |                    |        |      |       |      |       |    |        |    |     |     |      |      |                                                |
| 8                                                                 | 10...10            | 13.0   | 1.5  | 13.0  | 1.5  | 78.0  | 20 | 47.0   | 20 | 60  | 24  | 15   | 5.0  | SD40-SD40                                      |
|                                                                   | 20...10            | 23.0   |      | 13.0  |      | 88.0  | 25 | 52.0   |    | 66  | 36  | 22   | 12.0 | SD43-SD40                                      |
| 15                                                                | 15...15            | 19.0   | 1.5  | 19.0  | 1.5  | 93.0  | 20 | 55.9   | 20 | 70  | 33  | 20   | 6.5  | SD42-SD42                                      |
|                                                                   | 20...15            | 23.0   |      | 19.0  |      | 103.0 |    | 57.9   |    | 72  | 37  | 22.5 | 9.0  | SD43-SD42                                      |
|                                                                   | 25...15            | 29.0   |      | 19.0  |      | 103.0 | 25 | 60.9   |    | 78  | 43  | 26   | 12.5 | SD44-SD42                                      |
|                                                                   | 32...15            | 35.0   |      | 19.0  |      | 103.0 |    | 63.9   |    | 84  | 49  | 29   | 15.5 | SD45-SD42                                      |
|                                                                   | 40...15            | 41.0   |      | 19.0  |      | 103.0 |    | 66.9   |    | 91  | 56  | 31   | 17.5 | SD46-SD42                                      |
|                                                                   | 50...15            | 53.0   |      | 19.0  |      | 113.0 | 30 | 72.9   |    | 102 | 65  | 36   | 22.5 | SD47-SD42                                      |
|                                                                   |                    |        |      |       |      |       |    |        |    |     |     |      |      |                                                |
| 20                                                                | 20...20            | 23.0   | 1.5  | 23.0  | 1.5  | 114.0 | 25 | 68.7   | 25 | 85  | 36  | 21   | –    | SD43-SD43                                      |
|                                                                   | 32...20            | 35.0   |      | 23.0  |      | 114.0 |    | 74.4   |    | 95  | 50  | 29   | 11.0 | SD45-SD43                                      |
|                                                                   | 40...20            | 41.0   |      | 23.0  |      | 114.0 |    | 77.4   |    | 101 | 56  | 32   | 14.0 | SD46-SD43                                      |
| 25                                                                | 25...25            | 29.0   | 1.5  | 29.0  | 1.5  | 124.5 | 25 | 76.7   | 25 | 98  | 48  | 30   | 10.0 | SD44-SD44                                      |
|                                                                   | 40...25            | 41.0   |      | 29.0  |      | 124.5 |    | 82.7   |    | 106 | 61  | 38   | 18.0 | SD46-SD44                                      |
|                                                                   | 50...25            | 53.0   |      | 29.0  |      | 134.5 | 30 | 88.7   |    | 120 | 73  | 44   | 24.0 | SD47-SD44                                      |
| 40                                                                | 32...32            | 35.0   | 1.5  | 35.0  | 1.5  | 152.0 | 25 | 95.0   | 25 | 119 | 52  | 32   | 9.0  | SD45-SD45                                      |
|                                                                   | 40...40            | 41.0   |      | 41.0  |      | 152.0 |    | 97.3   |    | 121 | 62  | 37   | 8.4  | SD46-SD46                                      |
|                                                                   | 50...40            | 53.0   |      | 41.0  |      | 162.0 | 30 | 102.8  |    | 133 | 75  | 45   | 16.4 | SD47-SD46                                      |
| 50                                                                | 50...50            | 53.0   | 1.5  | 53.0  | 1.5  | 188.0 | 30 | 117.0  | 30 | 147 | 74  | 44   | 8.5  | SD47-SD47                                      |
| 65                                                                | 65...65            | 70.0   | 2.0  | 70.0  | 2.0  | 210.0 | 30 | 142.0  | 30 | 179 | 89  | 52   | 14   | SD48-SD48                                      |
|                                                                   | 80...65            | 85.0   |      | 70.0  |      | 210.0 |    | 149.5  |    | 194 | 104 | 59.5 | 21.5 | SD49-SD48                                      |
|                                                                   | 100...65           | 104.0  |      | 70.0  |      | 210.0 |    | –      |    | –   | –   | –    | –    | SD50-SD48                                      |
| 80                                                                | 80...80            | 85.0   | 2.0  | 85.0  | 2.0  | 255.0 | 30 | 45.0   | 30 | 208 | 112 | 67   | 22   | SD49-SD49                                      |
|                                                                   | 100...80           | 104.0  |      | 85.0  |      | 250.0 |    | 172.1  |    | 227 | 132 | 77   | 32   | SD50-SD49                                      |
| 100                                                               | 100                | 104.0  | 2.0  | 104.0 | 2.0  | 293.0 | 30 | 211.5  | 30 | 267 | 125 | 70   | 11   | SD50-SD50                                      |
| <b>ASME BPE / DIN 11866 series C</b>                              |                    |        |      |       |      |       |    |        |    |     |     |      |      |                                                |
| 8                                                                 | 20...8             | 19.05  | 1.65 | 6.35  | 0.89 | 88.0  | 25 | 49.90  | 20 | 61  | 32  | 20   | 10.0 | SA93-SA90                                      |
|                                                                   | 25...10            | 25.40  |      | 9.53  |      | 88.0  | 25 | 53.00  |    | 68  | 38  | 23   | 13.0 | SODF-SA91                                      |
|                                                                   | 40...8             | 38.10  |      | 6.35  |      | 88.0  | 25 | 59.40  |    | 80  | 49  | 28   | 18.0 | SODH-SA90                                      |
|                                                                   | 50...8             | 50.80  |      | 6.35  |      | 98.0  | 30 | 65.80  |    | 93  | 59  | 32   | 22.0 | SODI-SA90                                      |
|                                                                   | 65...8             | 63.50  |      | 6.35  |      | 98.0  |    | 72.10  |    | 106 | 70  | 36   | 26.0 | SODJ-SA90                                      |
| 15                                                                | 15...15            | 12.70  | 1.65 | 12.70 | 1.65 | 93.0  | 20 | 53.20  | 20 | 70  | 27  | 13.5 | –    | SA92-SA92                                      |
|                                                                   | 20...15            | 19.05  |      | 12.70 |      | 103.0 |    | 55.80  |    | 70  | 31  | 18.5 | 5.0  | SA93-SA92                                      |
|                                                                   | 25...15            | 25.40  |      | 12.70 |      | 103.0 |    | 59.00  |    | 75  | 40  | 24   | 10.5 | SODF-SA92                                      |
|                                                                   | 40...15            | 38.10  |      | 12.70 |      | 103.0 | 25 | 65.30  |    | 88  | 54  | 31   | 17.5 | SODH-SA92                                      |
|                                                                   | 50...15            | 50.80  |      | 12.70 |      | 113.0 | 30 | 71.70  |    | 100 | 64  | 35   | 21.5 | SODI-SA92                                      |
|                                                                   | 65...15            | 63.50  |      | 12.70 |      | 113.0 |    | 78.00  |    | 113 | 73  | 38   | 24.5 | SODJ-SA92                                      |
|                                                                   | 80...15            | 76.20  |      | 12.70 |      | 113.0 |    | 84.40  |    | 125 | 84  | 43   | 29.5 | SODK-SA92                                      |
| 20                                                                | 20...20            | 19.05  | 1.65 | 19.05 | 1.65 | 114.0 | 25 | 66.30  | 25 | 85  | 36  | 18   | –    | SA93-SA93                                      |
|                                                                   | 25...20            | 25.40  |      | 19.05 |      | 114.0 |    | 69.20  |    | 88  | 40  | 24   | 6.0  | SODF-SA93                                      |
|                                                                   | 40...20            | 38.10  |      | 19.05 |      | 114.0 |    | 75.80  |    | 98  | 53  | 31   | 13.0 | SODH-SA93                                      |
|                                                                   | 50...20            | 50.80  |      | 19.05 |      | 124.0 | 30 | 82.20  |    | 111 | 66  | 37   | 19.0 | SODI-SA93                                      |
|                                                                   | 65...20            | 63.50  |      | 19.05 |      | 124.0 |    | 88.50  |    | 123 | 75  | 40   | 22.0 | SODJ-SA93                                      |
|                                                                   | 80...20            | 76.20  |      | 19.05 |      | 124.0 |    | 94.90  |    | 136 | 85  | 44   | 26.0 | SODK-SA93                                      |
|                                                                   |                    |        |      |       |      |       |    |        |    |     |     |      |      |                                                |
|                                                                   | 100...20           | 101.60 | 2.11 | 19.05 |      | 124.0 |    | 107.10 |    | 161 | 108 | 54   | 36.0 | SODL-SA93                                      |

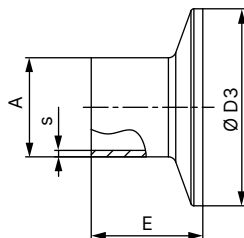
| Diaphragm size            | Port 1 – Port 2 DN | ØD1    | s1   | ØD2   | s2   | A     | B    | C      | E  | F   | G   | H    | I    | Product key <sup>1)</sup><br>(Port 1 – Port 2) |
|---------------------------|--------------------|--------|------|-------|------|-------|------|--------|----|-----|-----|------|------|------------------------------------------------|
| 25                        | 25...25            | 25.40  | 1.65 | 25.40 | 1.65 | 124.5 | 25   | 74.8   | 25 | 95  | 42  | 26   | 6.0  | SODF-SODF                                      |
|                           | 40...25            | 38.10  |      | 25.40 |      | 124.5 |      | 81.1   |    | 103 | 58  | 36   | 16.0 | SODH-SODF                                      |
|                           | 50...25            | 50.80  |      | 25.40 |      | 134.5 |      | 87.5   |    | 120 | 75  | 44   | 24.0 | SODI-SODF                                      |
|                           | 65...25            | 63.50  |      | 25.40 |      | 134.5 |      | 93.8   |    | 129 | 82  | 47   | 27.0 | SODJ-SODF                                      |
|                           | 80...25            | 76.20  |      | 25.40 |      | 134.5 |      | 100.15 |    | 142 | 94  | 52   | 32.0 | SODK-SODF                                      |
| 40                        | 40...40            | 38.10  | 1.65 | 38.10 | 1.65 | 152.0 | 25   | 99.60  | 25 | 121 | 58  | 35   | 6.4  | SODH-SODH                                      |
|                           | 50...40            | 50.80  |      | 38.10 |      | 162.0 |      | 101.6  |    | 131 | 72  | 43   | 14.4 | SODI-SODH                                      |
|                           | 65...40            | 63.50  |      | 38.10 |      | 162.0 |      | 107.90 |    | 143 | 85  | 50   | 21.4 | SODJ-SODH                                      |
|                           | 80...40            | 76.20  |      | 38.10 |      | 162.0 |      | 114.3  |    | 156 | 98  | 56   | 27.4 | SODK-SODH                                      |
| 50                        | 50...50            | 50.80  | 1.65 | 50.80 | 1.65 | 188.0 | 30   | 115.8  | 30 | 145 | 71  | 42   | 6.5  | SODI-SODI                                      |
|                           | 65...50            | 63.50  |      | 50.80 |      | 188.0 |      | 122.10 |    | 157 | 85  | 50   | 14.5 | SODJ-SODI                                      |
|                           | 65...65            | 63.50  |      | 63.50 |      | 188.0 |      | 122.10 |    | 158 | 86  | 50   | 14.5 | SODJ-SODJ                                      |
|                           | 80...50            | 76.20  |      | 50.80 |      | 188.0 |      | 128.5  |    | 169 | 98  | 56   | 20.5 | SODK-SODI                                      |
|                           | 100...65           | 101.60 | 2.11 | 63.50 |      | 188.0 |      | 140.7  |    | 195 | 120 | 66   | 30.5 | SODL-SODJ                                      |
| 65                        | 65...65            | 63.50  | 1.65 | 63.50 | 1.65 | 210.0 | 30   | 136.6  | 30 | 172 | 84  | 49   | 6.5  | SODJ-SODJ                                      |
|                           | 80...65            | 76.2   |      | 63.50 |      | 210.0 |      | 145    |    | 187 | 99  | 57   | 14.5 | SODK-SODJ                                      |
|                           | 100...65           | 101.6  | 2.11 | 63.50 |      | 210.0 |      | 155.2  |    | 210 | 120 | 66   | 23.5 | SODL-SODJ                                      |
| 80                        | 80...80            | 76.2   | 1.65 | 76.2  | 1.65 | 255.0 | 30   | 157.35 | 30 | 199 | 106 | 64   | 6.0  | SODK-SODK                                      |
|                           | 100...80           | 101.6  | 2.11 | 76.2  | 1.65 | 255.0 |      | 169.6  |    | 224 | 131 | 77   | 26.0 | SODL-SODK                                      |
| 100                       | 100                | 101.6  | 2.11 | 101.6 | 2.11 | 290.0 | 30   | 207    | 30 | 260 | 120 | 67   | 10.0 | SODL-SODL                                      |
| <b>SMS 3008</b>           |                    |        |      |       |      |       |      |        |    |     |     |      |      |                                                |
| 25                        | 25...25            | 25.0   | 1.2  | 25.0  | 1.2  | 124.5 | 25   | 75.0   | 25 | 95  | 43  | 27   | 7.0  | SA60-SA60                                      |
|                           | 40...25            | 38.0   |      | 25.0  |      | 124.5 |      | 81.5   |    | 103 | 58  | 36   | 16.0 | SA62-SA60                                      |
|                           | 50...25            | 51.0   |      | 25.0  |      | 134.5 |      | 88.0   |    | 118 | 72  | 42   | 22.0 | SA63-SA60                                      |
| 40                        | 40...40            | 38.0   | 1.2  | 38.0  | 1.2  | 152.0 | 25   | 95.6   | 25 | 121 | 58  | 35   | 6.4  | SA62-SA62                                      |
|                           | 50...40            | 51.0   |      | 38.0  |      | 162.0 |      | 102.1  |    | 131 | 73  | 44   | 15.4 | SA63-SA62                                      |
| 50                        | 50...50            | 51.0   | 1.2  | 51.0  | 1.2  | 188.0 | 30   | 120.2  | 30 | 154 | 82  | 48   | 2.5  | SA63-SA63                                      |
| <b>DIN 11850 series 0</b> |                    |        |      |       |      |       |      |        |    |     |     |      |      |                                                |
| 8                         | 04...04            | 6.0    | 1.0  | 6.0   | 1.0  | 78.0  | 20   | 44.0   | 20 | 60  | 15  | 6.5  | 0.0  | SC40-SC40                                      |
|                           | 06...06            | 8.0    |      | 8.0   |      | 75.0  | 17.5 | 46.5   |    | 60  | 13  | 7    | 0.0  | SC41-SC41                                      |
|                           | 40...04            | 40.0   | 1.5  | 6.0   |      | 88.0  | 25   | 60.5   |    | 83  | 51  | 29   | 19.0 | SC47-SC40                                      |
|                           | 40...8             | 40.0   |      | 10.0  |      | 88.0  |      | 60.5   |    | 83  | 51  | 29   | 19.0 | SC47-SC42                                      |
|                           | 50...04            | 52.0   |      | 6.0   |      | 98.0  |      | 66.5   |    | 95  | 60  | 32   | 22.0 | SC48-SC40                                      |
| 15                        | 50...15            | 52.0   | 1.5  | 18.0  | 1.5  | 113.0 | 30   | 72.4   | 20 | 101 | 65  | 36   | 22.5 | SC48-SC43                                      |
| 25                        | 25...25            | 28.0   | 1.5  | 28.0  | 1.5  | 124.5 | 25   | 76.2   | 25 | 95  | 46  | 29   | 9.0  | SC45-SC45                                      |
|                           | 50...25            | 52.0   |      | 28.0  |      | 134.5 |      | 91.2   |    | 120 | 71  | 42   | 22.0 | SC48-SC45                                      |
| 40                        | 25...32            | 28.0   | 1.5  | 34.0  | 1.5  | 152.0 | 25   | 90.3   | 25 | 122 | 58  | 32   | 3.4  | SC45-SC46                                      |
|                           | 50...32            | 52.0   |      | 34.0  |      | 162.0 |      | 102.3  |    | 132 | 75  | 45   | 16.4 | SC48-SC46                                      |
| 50                        | 50...50            | 52.0   | 1.5  | 52.0  | 1.5  | 188.0 | 30   | 116.5  | 30 | 147 | 73  | 43   | 7.5  | SC48-SC48                                      |
| 65                        | 65...65            | 70.0   | 2.0  | 70.0  | 2.0  | 210.0 | 30   | 142.0  | 30 | 179 | 89  | 52   | 14.0 | SD48-SD48                                      |
|                           | 80...65            | 85.0   |      | 70.0  |      | 210.0 |      | 149.5  |    | 194 | 104 | 59.5 | 21.5 | SD49-SD48                                      |
|                           | 100...65           | 104.0  |      | 70.0  |      | 210.0 |      | –      |    | –   | –   | –    | –    | SD50-SD48                                      |
| 80                        | 80...80            | 85.0   | 2.0  | 85.0  | 2.0  | 255.0 | 30   | 45.0   | 30 | 208 | 112 | 67   | 22.0 | SD49-SD49                                      |
|                           | 100...80           | 104.0  |      | 85.0  |      | 250.0 |      | 172.1  |    | 227 | 132 | 77   | 32.0 | SD50-SD49                                      |
| 100                       | 100                | 104.0  | 2.0  | 104.0 | 2.0  | 293.0 | 30   | 211.5  | 30 | 267 | 125 | 70   | 11.0 | SD50-SD50                                      |

1.) This information is part of the product key (see "9.3. Bürkert Product Enquiry Form" on page 19).

### 5.3. T-Body with clamp connection

**Note:**

- Dimensions in mm, unless otherwise stated
- The clamp dimensions must be added to the welded connection dimensions.



| Port connection               |        | A     | s    | D3                  | E    | Product key <sup>1)</sup> |
|-------------------------------|--------|-------|------|---------------------|------|---------------------------|
| [mm]                          | [inch] |       |      |                     |      |                           |
| DIN 32676 series A (DIN pipe) |        |       |      |                     |      |                           |
| 10                            | –      | 13    | 1.5  | 34                  | 18   | TD41                      |
| 15                            | –      | 19    | 1.5  | 34                  | 18   | TD42                      |
| 20                            | –      | 23    | 1.5  | 34                  | 18   | TD43                      |
| 25                            | –      | 29    | 1.5  | 50.5                | 21.5 | TD44                      |
| 32                            | –      | 35    | 1.5  | 50.5                | 21.5 | TD45                      |
| 40                            | –      | 41    | 1.5  | 50.5                | 21.5 | TD46                      |
| 50                            | –      | 53    | 1.5  | 64                  | 21.5 | TD47                      |
| 65                            | –      | 70    | 2    | 91                  | 28   | TD48                      |
| 80                            | –      | 85    | 2    | 106                 | 28   | TD49                      |
| 100                           | –      | 104   | 2    | 119                 | 28   | TD50                      |
| DIN 32676 series B (ISO pipe) |        |       |      |                     |      |                           |
| 8                             | –      | 13.5  | 1.6  | 25                  | 28.6 | TC40                      |
| 8                             | –      | 13.5  | 1.6  | 34 <sup>2.)</sup>   | 28.6 | TC51 <sup>2.)</sup>       |
| 10                            | –      | 17.2  | 1.6  | 34 <sup>2.)</sup>   | 28.6 | TC41 <sup>2.)</sup>       |
| 15                            | –      | 21.3  | 1.6  | 34 <sup>2.)</sup>   | 28.6 | TC42 <sup>2.)</sup>       |
| 15                            | –      | 21.3  | 1.6  | 50.5                | 28.6 | TC52                      |
| 20                            | –      | 26.9  | 1.6  | 50.5                | 28.6 | TC43                      |
| 25                            | –      | 33.7  | 2    | 50.5                | 28.6 | TC44                      |
| 32                            | –      | 42.4  | 2    | 50.5 <sup>2.)</sup> | 28.6 | TC45 <sup>2.)</sup>       |
| 40                            | –      | 48.3  | 2    | 64                  | 28.6 | TC46                      |
| 50                            | –      | 60.3  | 2    | 77.5                | 28.6 | TC47                      |
| 65                            | –      | 76.1  | 2    | 91                  | 28.6 | TC48                      |
| 80                            | –      | 88.9  | 2.3  | 106                 | 28.6 | TC49                      |
| 100                           | –      | 114.3 | 2.3  | 130                 | 28.6 | TC50                      |
| ASME BPE                      |        |       |      |                     |      |                           |
| 8                             | ¼      | 6.35  | 0.89 | 25                  | 28.6 | TG50                      |
| 10                            | ⅜      | 9.53  | 0.89 | 25                  | 28.6 | TG01                      |
| 15                            | ½      | 12.7  | 1.65 | 25                  | 28.6 | TG02                      |
| 20                            | ¾      | 19.05 | 1.65 | 25                  | 28.6 | TG03                      |
| 25                            | 1      | 25.4  | 1.65 | 50.5                | 28.6 | TG04                      |
| 40                            | 1½     | 38.1  | 1.65 | 50.5                | 28.6 | TG05                      |
| 50                            | 2      | 50.8  | 1.65 | 64                  | 28.6 | TG06                      |
| 65                            | 2½     | 63.5  | 1.65 | 77.5                | 28.6 | TG07                      |
| 80                            | 3      | 76.2  | 1.65 | 91                  | 28.6 | TG08                      |
| 100                           | 4      | 101.6 | 2.11 | 119                 | 28.6 | TG09                      |

1.) This information is part of the product key (see "9.3. Bürkert Product Enquiry Form" on page 19).

2.) Deviating from standard because of a different outer clamp diameter

## 6. Performance specifications

### 6.1. Medium pressure

#### Information for control function A

##### Note:

- For low operating pressures, optional variants with reduced spring force (EC04) are recommended.
- Pressure data [bar]: Overpressure to atmospheric pressure. Static: When closed, the valve is pressurised on one side with the maximum operating pressure.
- Information for control function B and I is available on request.

| Diaphragm size | Actuator size Ø | Pilot pressure | Maximum static operating pressure for seal materials |                                                            |
|----------------|-----------------|----------------|------------------------------------------------------|------------------------------------------------------------|
|                |                 |                | EPDM, FKM                                            | PTFE/EPDM, advanced PTFE/EPDM, laminate of GYLON® and EPDM |
|                | [mm]            | [bar]          | [bar]                                                | [bar]                                                      |
| 8              | 40 (C)          | 5.0...7        | 10                                                   | 10                                                         |
| 15             | 50 (D)          | 5.0...7        | 10                                                   | –                                                          |
|                | 63 (E)          | 5.0...7        | 10                                                   | 10                                                         |
| 20             | 63 (E)          | 5.5...7        | 10                                                   | 10                                                         |
|                | 80 (F)          | 5.0...7        | 10                                                   | 10                                                         |
| 25             | 80 (F)          | 5.5...7        | 10                                                   | 10                                                         |
| 40             | 100 (G)         | 5.5...7        | 10                                                   | 9 <sup>1.)</sup>                                           |
|                | 125 (H)         | 5.5...7        | 10                                                   | 10                                                         |
| 50             | 125 (H)         | 5.5...7        | 10                                                   | 10                                                         |
| 65             | 175 (K)         | 5.0...6        | 10                                                   | 6                                                          |
| 80             | 175 (K)         | 5.0...6        | 7                                                    | 4 <sup>2.)</sup>                                           |
|                | 225 (L)         | 5.0...6        | 10                                                   | 10                                                         |
| 100            | 225 (L)         | 5.0...6        | 10                                                   | 7                                                          |

1.) The maximum operating pressure for laminate of GYLON® and EPDM (ER diaphragm) is 6 bar.

2.) The tightness value only applies to laminate of GYLON® and EPDM (ER diaphragm), otherwise 0 bar for PTFE/EPDM and advanced PTFE/EPDM (EA and EU diaphragms).

## 7. Product accessories

### Electric position feedback indicator

#### Type 8697 ▶ Actuator size Ø 40...225 mm



The position feedback Type 8697 is designed for integrated mounting on CLASSIC series 20XX process valves, suiting the requirements of hygienic process environments. Mechanical or inductive limit switches register the position of the valve.

#### Features

- Compact design
- LED position indicator
- Mechanical or inductive limit switches for end position registering
- Easy-to-clean clean chemically resistant housing featuring IP65/IP67, 4X Rating
- Optionally intrinsically safe variant according to IECEx

#### Customer benefits

- Easy and quick installation
- High level of signal reliability thanks to self-adjusting limit switches
- Minimised space requirement in the plant piping for more flexibility in plant design

## 8. Networking and combination with other Bürkert products

### Note:

The **on/off CLASSIC** valve system **Type 8801-TA** consists of **diaphragm valve Type 2032** and a **position feedback, Type 8697**.

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

### Example:



## 9. Ordering information

### 9.1. 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](#)

### 9.2. 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.

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### 9.3. 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.

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