

## Tandem valve, welded valve configuration

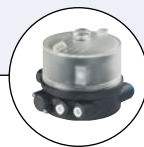


- Fully integrated in Burkert's Process Control Systems
- Quality certifications 

Type 2034 can be combined with...



**Type 8691**  
Control Head



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



**Type 8692**  
Positioner Top-Control continuous



**Stroke limitation**  
Min./max. stroke limitation

The Bürkert welded valve configurations for SAP (sterile access port) and GMP (good manufacturing practice) are designed for the control of ultrapure, sterile, aggressive or abrasive fluids. The configurations are made from two separate forged valve bodies. They are welded to be fully drainable and can be operated by either pneumatic actuator or manual handwheel.

The user can choose the required configuration in two separated specification keys. The first details the geometry, body and diaphragm materials while the second specifies body sizes, end connections, operator and surface finishes.



Available accessories include Positioner/PID controllers, stroke limiters, electrical feedback, pneumatic pilot valves.

| Technical data  |   |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
|---|---|-------------------------|----------------------|-------------------------|---------------------|-----|----|------------------|-----|----|--|------------------|------------------|
| <b>Orifice</b>  | DN08 to DN100   |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| <b>Body material</b>  | <ul style="list-style-type: none"> <li>• Stainless steel 1.4435 acc. to BN2 / ASME BPE, Fe &lt;0.5%</li> <li>• Other on request</li> </ul>  |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| <b>Port connections</b>   | <ul style="list-style-type: none"> <li>• DIN EN ISO 1127 / ISO 4200 / DIN 11866 Serie B</li> <li>• DIN 11850 Serie 2 / DIN 11866 Serie A</li> <li>• ASME BPE / DIN 11866 Serie C</li> <li>• DIN 32676 Serie A (DIN tube)</li> <li>• DIN 32676 Serie B (ISO tube)</li> <li>• ASME BPE</li> </ul>   |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| Weld end  |   |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| Clamp   |   |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| <b>Surface finish</b>   | <table border="1"> <thead> <tr> <th></th> <th>Ra [<math>\mu\text{m}</math>]</th> <th>Ra [<math>\mu\text{Inch}</math>]</th> </tr> </thead> <tbody> <tr> <td>Mechanical polished</td> <td>0.6</td> <td>25</td> </tr> <tr> <td>Electro polished</td> <td>0.4</td> <td>15</td> </tr> <tr> <td></td> <td>Other on request</td> <td>Other on request</td> </tr> </tbody> </table> |                         | Ra [ $\mu\text{m}$ ] | Ra [ $\mu\text{Inch}$ ] | Mechanical polished | 0.6 | 25 | Electro polished | 0.4 | 15 |  | Other on request | Other on request |
|   | Ra [ $\mu\text{m}$ ]  | Ra [ $\mu\text{Inch}$ ] |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| Mechanical polished   | 0.6   | 25                      |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| Electro polished  | 0.4   | 15                      |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
|   | Other on request  | Other on request        |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| <b>Seal materials</b>   | EPDM, PTFE/EPDM, advanced PTFE/EPDM, FKM  |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| <b>Actuator material</b>  | PPS, cover in Stainless steel 1.4561 (316Ti)<br>PA, socle in Stainless steel 1.4308<br>PPS/PPS, PPS/St. steel (DN65, 80, 100 in full stainless steel)   |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| Element (DN08 - 50)   |   |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| Classic (DN65 - 100)  |   |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| Manual  |   |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| <b>Pilot air ports</b>  | G 1/8" or Push-In   |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| <b>Media temperature</b>  | - 5 to + 143 °C (SIP: up to + 150 °C, 60 min.)<br>- 10 to + 130 °C (SIP: up to + 140 °C, 60 min.)<br>+ 5 to + 90 °C (no steam)  |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| EPDM (AD)   |   |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| advanced PTFE/EPDM (EU) <sup>1)</sup><br>advanced PTFE laminated on EPDM (EK) <sup>2)</sup> |   |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| <b>Ambient temperature</b>  | + 5 to + 60 °C  |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| <b>Control medium</b>   | Neutral gases, air  |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |
| <b>Installation for self-draining</b>   | See configuration option on page 5  |                         |                      |                         |                     |     |    |                  |     |    |  |                  |                  |



<sup>1)</sup> Advanced PTFE/EPDM is recommended for sterilization cycle

Technical data, *continued*

## Pneumatic actuator

|   | Port connection DN |        | Orifice<br>(diaphragm size)<br>[mm] | Actuator size<br>Ø<br>[mm] | Permitted pilot pressure [bar] |      | Max. operating pressure for seal material [bar] |                                  |
|---|--------------------|--------|-------------------------------------|----------------------------|--------------------------------|------|---|----------------------------------|
|   | [mm]               | [inch] |                                     |                            | min.                           | max. | EPDM, FKM                                       | PTFE/EPDM and advanced PTFE/EPDM |
| <b>ELEMENT</b><br> | 8                  | ¼"     | 8                                   | 50                         | 5                              | 10   | 10  | 10                               |
|   | 10                 | ⅜"     | 8                                   | 50                         | 5                              | 10   | 10  | 10                               |
|   | 15                 | ½"     | 15                                  | 70                         | 5                              | 10   | 10  | 10                               |
|   | 20                 | ¾"     | 20                                  | 70                         | 5                              | 10   | 10  | 10                               |
|   | 25                 | 1"     | 25                                  | 70                         | 5                              | 10   | 6.5   | 6                                |
|   |                    |        |                                     | 90                         | 5.5                            | 10   | 10  | 8                                |
|   | 40                 | 1 ½"   | 40                                  | 130                        | 5                              | 7    | 10  | 10                               |
| 50  | 2"                 | 50     | 130                                 | 5                          | 7                              | 8    | 7   |                                  |
| <b>Classic</b><br> | 65                 | 2 ½"   | 50 or 80                            | 125                        | 5.5                            | 7    | 8   | 7                                |
|   |                    |        |                                     | 225                        | 5                              | 6    | 10  | 10                               |
|   | 80                 | 3"     | 80                                  | 225                        | 5                              | 6    | 10  | 10                               |
|   | 100                | 4"     | 100                                 | 225                        | 5                              | 6    | 8   | 4                                |

## Manual actuator

|   | Port connection DN |        | Orifice<br>(diaphragm size)<br>[mm] | Max. operating pressure for seal material [bar] |                                  |
|---|--------------------|--------|-------------------------------------|---|----------------------------------|
|   | [mm]               | [inch] |                                     | EPDM, FKM                                       | PTFE/EPDM and advanced PTFE/EPDM |
|  | 8                  | ¼"     | 8                                   | 10  | 10                               |
|   | 10                 | ⅜"     | 8                                   | 10  | 10                               |
|   | 15                 | ½"     | 15                                  | 10  | 10                               |
|   | 20                 | ¾"     | 20                                  | 10  | 10                               |
|   | 25                 | 1"     | 25                                  | 10  | 10                               |
|   | 40                 | 1 ½"   | 40                                  | 10  | 10                               |
|   | 50                 | 2"     | 50                                  | 7/10  | 7/10                             |
|  | 65                 | 2 ½"   | 50 or 80                            | 5/7/10  | 5/7/10                           |
|   | 80                 | 3"     | 80                                  | 5   | 5                                |
|   | 100                | 4"     | 100                                 | 5   | 5                                |

**Pressure values (bar)**

Gauge pressures with respect to the prevailing atmospheric pressure.

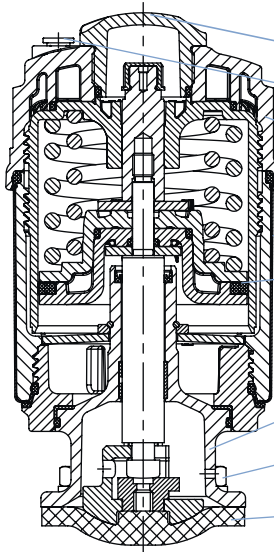
**Remark:**

For low operating pressures we recommend reduced spring force versions to prolong the life of the diaphragm

Materials

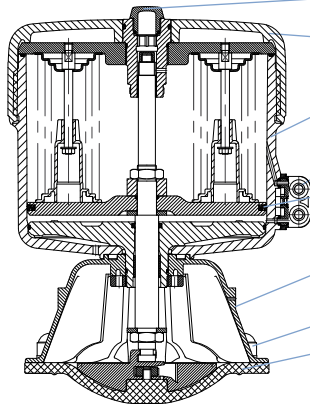
Pneumatic

ELEMENT actuator DN08- DN50



|                                   |  |
|-----------------------------------|--|
| <b>Optical position indicator</b> | Transparent cap polysulfone PSU  |
| <b>Pilot air ports</b>            | Push-in connector PP (standard)<br><i>on request: Thread 1/8" stainless steel 1.4305</i> |
| <b>Actuator cover</b>             | PPS  |
| <b>Cover</b>                      | Stainless steel 1.4561 (316Ti)   |
| <b>Piston seal</b>                | FKM  |
| <b>Socle</b>                      | Stainless steel 1.4308   |
| <b>Screws</b>                     | Stainless steel  |
| <b>Diaphragm</b>                  | EPDM, PTFE/EPDM<br><i>(advanced PTFE/EPDM, FKM on request)</i>                           |

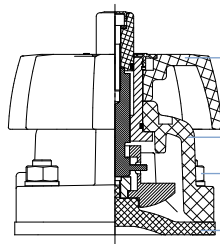
Classic actuator DN65- DN100



|                                   |  |
|-----------------------------------|--|
| <b>Optical position indicator</b> | Transparent cap polycarbonate PC                               |
| <b>Actuator</b>                   | PA Polyamide   |
| <b>Pilot air ports</b>            | Thread 1/8" stainless steel 1.4305                             |
| <b>Piston seal</b>                | NBR  |
| <b>Socle</b>                      | Stainless steel 1.4308   |
| <b>Screws</b>                     | Stainless steel  |
| <b>Diaphragm</b>                  | EPDM, PTFE/EPDM<br><i>(advanced PTFE/EPDM, FKM on request)</i> |

Manual

Manual actuator DN08 - DN100



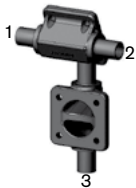











|                  |                                       |
|------------------|---------------------------------------|
| <b>Handwheel</b> | PPS or 316L stainless steel*          |
| <b>Socle</b>     | PPS or 316L stainless steel*          |
| <b>Screws</b>    | Stainless steel                       |
| <b>Diaphragm</b> | EPDM, PTFE/EPDM<br>advanced PTFE/EPDM |

\* DN65 to DN100 only in stainless steel



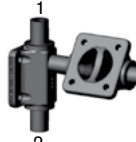
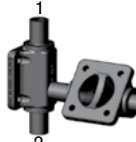
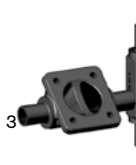
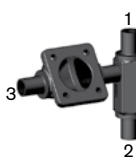






Configurations

Steril access port

|   |   |  |   |
|---|---|--|---|
| <p>SAP1</p>  | <p>SAP2</p>  | <p>SAP3</p>  | <p>SAP4</p>  |
| <p>SAP5</p>  | <p>SAP6</p>  | <p>SAP7</p>  | <p>SAP8</p>  |
| <p>SAPA</p>  | <p>SAPB</p>  | <p>SAPC</p>  | <p>SAPD</p>  |

Good manufacturing practice

|   |   |  |   |
|---|---|--|---|
| <p>GMP1</p>  | <p>GMP2</p>  | <p>GMP3</p>  | <p>GMP4</p>  |
| <p>GMP5</p>  | <p>GMP6</p>  | <p>GMP7</p>  | <p>GMP8</p>  |
| <p>GMPA</p>  | <p>GMPB</p>  |  |   |

DTS 1000106223 EN Version: H Status: RL (released | freigegeben | validé) printed: 11.02.2020

Valve features, specification key 2

Example

|      |    |   |    |      |      |      |      |             |
|------|----|---|----|------|------|------|------|-------------|
| 2034 | 25 | A | 15 | D050 | SA44 | SA44 | SA42 | NK52 + NO14 |
|------|----|---|----|------|------|------|------|-------------|

Specification key 2

(Please make a choice)

|      |  |  |  |  |  |  |  |   |
|------|--|--|--|--|--|--|--|---|
| 2034 |  |  |  |  |  |  |  | + |
|------|--|--|--|--|--|--|--|---|

| VALVE/SEAT n°1  |   |
|-----------------|---|
| Orifice DN [mm] | Actuator version  |
| 08              | <b>Pneumatic</b>  |
| 15              | A normally closed by spring action  |
| 20              | B normally open by spring action  |
| 25              | I double acting   |
| 40              | <b>Manual</b>   |
| 50              | D050 Handwheel PPS / bonnet PPS   |
| 80              | D052 Handwheel stainless steel / bonnet stainless steel (only DN65-DN100) |
| 100             | D058 Handwheel PPS / bonnet stainless steel with hole for bolts           |

| VALVE/SEAT n°2  |   |
|-----------------|---|
| Orifice DN [mm] | Actuator version  |
| 08              | <b>Pneumatic</b>  |
| 15              | A normally closed by spring action  |
| 20              | B normally open by spring action  |
| 25              | I double acting   |
| 40              | <b>Manual</b>   |
| 50              | D050 Handwheel PPS / bonnet PPS   |
| 80              | D052 Handwheel stainless steel / bonnet stainless steel (only DN65-DN100) |
| 100             | D058 Handwheel PPS / bonnet stainless steel with hole for bolts           |

| VARIABLE CODES                  |                               |
|---------------------------------|-------------------------------|
| <b>Surface finish, external</b> |                               |
| NO22                            | glass bead blasted Ra=3.2 µm  |
| NO34                            | Mechanical polished Ra=1.2 µm |
| NO15                            | Electro polished Ra=0.8 µm    |
| <b>Surface finish, internal</b> |                               |
| NO23                            | Mechanical polished Ra=0.6µm  |
| NO16                            | Electro polished Ra=0.6µm     |
| NO14                            | Mechanical polished Ra=0.5µm  |
| NO17                            | Elektropoliert Ra=0.4µm       |
| <b>Certificat</b>               |                               |
| NK52                            | 3.1 Certificate integrated    |

Port connection Valve/seat n°1

Port connection Valve/seat n°2, 3

| DN [mm] | Port connection weld end             |                |                |                |                               |                |                |                         |
|---------|--------------------------------------|----------------|----------------|----------------|-------------------------------|----------------|----------------|-------------------------|
|         | EN ISO 1127/ ISO 4200 DIN 11866 S. B | SMS 3008       | DIN 11850 S. 0 | DIN 11850 S. 1 | DIN 11850 S. 2 DIN 11866 S. A | DIN 11850 S. 3 | BS4825         | ASME BPE DIN 11866 S. C |
| 4       |                                      |                | SC40-6.0×1.0   |                |                               |                |                |                         |
| 6       | SA78-10.2×1.6                        |                | SC41-8.0×1.0   |                |                               |                |                | SA89-3.17×0.56          |
| 8       | SA40-13.5×1.6                        |                | SC42-10.0×1.0  |                |                               |                | SODB-6.35×1.2  | SA90-6.35×0.89          |
| 10      | SA41-17.2×1.6                        |                |                | SF40-12.0×1.0  | SD40-13.0×1.5                 | SE40-14.0×2.0  | SODC-9.53×1.2  | SA91-9.53×0.89          |
| 15      | SA42-21.3×1.6                        | SA58-12.0×1.0  | SC43-18.0×1.5  | SF41-18.0×1.0  | SD42-19.0×1.5                 | SE42-20.0×2.0  | SODD-12.7×1.2  | SA92-12.7×1.65          |
| 20      | SA43-26.9×1.6                        | SA59-18.0×1.0  | SC44-22.0×1.5  | SF42-22.0×1.0  | SD43-23.0×1.5                 | SE43-24.0×2.0  | SODE-19.05×1.2 | SA93-19.05×1.65         |
| 25      | SA44-33.7×2.0                        | SA60-25.0×1.2  | SC45-28.0×1.5  | SF43-28.0×1.0  | SD44-29.0×1.5                 | SE44-30.0×2.0  |                | SODF-25.4×1.65          |
| 32      | SA45-42.4×2.0                        | SA61-33.7×1.2  | SC46-34.0×1.5  | SF44-34.0×1.0  | SD45-35.0×1.5                 | SE45-36.0×2.0  |                |                         |
| 40      | SA46-48.3×2.0                        | SA62-38.0×1.2  | SC47-40.0×1.5  | SF45-40.0×1.0  | SD46-41.0×1.5                 | SE46-42.0×2.0  |                | SODH-38.1×1.65          |
| 50      | SA47-60.3×2.0                        | SA63-51.0×1.2  | SC48-52.0×1.5  | SF46-52.0×1.0  | SD47-53.0×1.5                 | SE47-54.0×2.0  |                | SODI-50.8×1.65          |
| 65      | SA48-76.1×2.0                        | SA64-63.5×1.6  |                |                | SD48-70.0×2.0                 |                |                | SODJ-63.5×1.65          |
| 80      | SA49-88.9×2.3                        | SA65-76.1×1.6  |                |                | SD49-85.0×2.0                 |                |                | SODK-76.2×1.65          |
| 100     | SA39-114.3×2.3                       | SA66-101.6×2.0 |                |                | SD50-104.0×2.0                |                |                | SODL-101.6×2.11         |

| DN [mm] | Port connection Clamp                               |                                      |                                     |                            |   |
|---------|---|--------------------------------------|-------------------------------------|----------------------------|---|
|         | Clamp 34.0 like DIN 32676 S. B (ISO-tube (ISO4200)) | DIN 32676 S. A (DIN-tube (DIN11850)) | DIN 32676 S. B (ISO-tube (ISO4200)) | ASME BPE                   | BS 4825 (Clamp BS 4825-3, tube BS 4825-1) |
| 8       | TC51-13.5×1.6 Cl: 34.0                              | TD40-10.0×1.0 Cl: 25.0               | TC40-13.5×1.6 Cl: 25.0              | TG 50-6.35×0.89 Cl: 25.0   |   |
| 10      | TC41-17.2×1.6 Cl: 34.0                              | TD41-13.0×1.5 Cl: 34.0               | TC53-17.2×1.6 Cl: 25.0              | TG 01-9.53×0.89 Cl: 25.0   |   |
| 15      | TC42-21.3×1.6 Cl: 34.0                              | TD42-19.0×1.5 Cl: 34.0               | TC52-21.3×1.6 Cl: 50.5              | TG 02-12.7×1.65 Cl: 25.0   | TH42-12.7×1.2 Cl: 25.0                    |
| 20      |   | TD43-23.0×1.5 Cl: 34.0               | TC43-26.9×1.6 Cl: 50.5              | TG 03-19.05×1.65 Cl: 25.0  | TH43-19.05×1.2 Cl: 25.0                   |
| 25      |   | TD44-29.0×1.5 Cl: 50.5               | TC44-33.7×2.0 Cl: 50.5              | TG 04-25.4×1.65 Cl: 50.5   |   |
| 32      |   |                                      |                                     |                            |   |
| 40      |   | TD46-41.0×1.5 Cl: 50.5               | TC46-48.3×2.0 Cl: 64.0              | TG 05-38.1×1.65 Cl: 50.5   |   |
| 50      |   | TD47-53.0×1.5 Cl: 64.0               | TC47-60.3×2.0 Cl: 77.5              | TG 06-50.8×1.65 Cl: 64.0   |   |
| 65      |   |                                      | TC48-76.1×2.0 Cl: 91.0              | TG 07-63.5×1.65 Cl: 77.5   |   |
| 80      |   |                                      | TC49-88.9×2.3 Cl: 106.0             | TG 08-76.2×1.65 Cl: 91.0   |   |
| 100     |   |                                      | TC50-114.3×2.3 Cl: 130.0            | TG 09-101.6×2.11 Cl: 119.0 |   |

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

**Standard configuration – request for quotation**

▶ Please fill out and send to your nearest Bürkert facility\* with your inquiry or order

|               |                |
|---------------|----------------|
| Company       | Contact person |
| Customer no.  | Department     |
| Address       | Tel./Fax       |
| Postcode/town | E-Mail         |

= mandatory fields to fill out       Quantity       Required delivery date

**Operating data**

|   |                                 |   |
|---|---------------------------------|---|
| <input type="checkbox"/> Process medium                     | <input type="text"/>            |   |
| <input type="checkbox"/> Type of media                      | <input type="checkbox"/> Liquid | <input type="checkbox"/> Steam <input type="checkbox"/> Gas |
|   | Nominal                         | Unit  |
| <input type="checkbox"/> Flow rate (Q, QN, W) <sup>1)</sup> | <input type="text"/>            | <input type="text"/>  |
| <input type="checkbox"/> Temperature at valve inlet         | <input type="text"/>            | <input type="text"/>  |
| <input type="checkbox"/> Absolute pressure at valve inlet   | <input type="text"/>            | <input type="text"/>  |
| <input type="checkbox"/> Absolute pressure at valve outlet  | <input type="text"/>            | <input type="text"/>  |
| Steam pressure P <sub>v</sub>                               | <input type="text"/>            | <input type="text"/>  |

<sup>1)</sup> standard unit:  
Liquid Q = m<sup>3</sup>/h;  
Steam W = kg/h;  
Gas Qn = nm<sup>3</sup>/h

**Valve features**

**Specification key 1**

(automatically transferred from p 4 )

2034









**Specification key 2**

(automatically transferred from p. 6 )

2034           +

**Accessories**

Click on the orange box „More info.“ below... you will come to our website for the resp. product where you can download the datasheet.

| Pilot valve  | Stroke limitation   | Position feedback/Control head   |
|--|---|--|
| <input type="checkbox"/> Type 6012  | <br><input type="checkbox"/> Min./max. stroke limitation, with visual position indicator<br><input type="checkbox"/> Max. stroke limitation, without visual position indicator | <input type="checkbox"/> Type 8690 <br><input type="checkbox"/> Type 8691 <br><input type="checkbox"/> Type 8695 <br><input type="checkbox"/> Type 8697 <br><input type="checkbox"/> Type 8685 <br><input type="checkbox"/> Type 8686  |
| <b>Please specify item no. (if known):</b><br><input type="text"/>   | <b>Please specify item no. (if known):</b><br><input type="text"/>  | <b>Please specify item no. (if known):</b><br><input type="text"/>   |
| <b>for actuator (A1, A2,...)</b> <input type="checkbox"/><br><input type="text"/>                                      | <b>for actuator (A1, A2,...)</b> <input type="checkbox"/><br><input type="text"/>   | <b>for actuator (A1, A2,...)</b> <input type="checkbox"/><br><input type="text"/>  |

**Certifications**

- Attestation of compliance with the order EN-ISO 10204 2.1
- Certification of Conformity for Pickling and Electropolishing Processes
- Test report EN-ISO 10204 2.2
- FDA and USP compliance
- Certification of Conformity for Raw Material EN-ISO 10204 3.1
- Certification of Conformity for the Surface Quality DIN4762-DIN4768-ISO/4287/1

**Customized configuration – request for quotation**

▶ Please fill out and send to your nearest Bürkert facility\* with your inquiry or order

|               |                |
|---------------|----------------|
| Company       | Contact person |
| Customer no.  | Department     |
| Address       | Tel./Fax       |
| Postcode/town | E-Mail         |



Weld solution

**Sales data**

**Project name:** \_\_\_\_\_

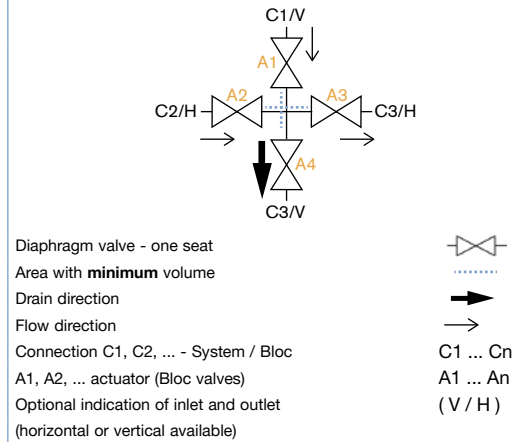
**Quantities:** \_\_\_\_\_  single enquiry  
 enquiry for series

**Flow schematic**

**Warning:** connection and valve description should be in accordance with the table that filled below!

Please sketch the schematic

**Legende**



**Technical data -Fluidic**

|                                   |   |  |   |
|-----------------------------------|---|--|---|
| Medium nature                     | _____   | Medium pressure  | _____                                     |
| Medium temperature                | _____   | Medium viscosity   | _____                                     |
| K <sub>v</sub> value or flow rate | _____   | <input checked="" type="checkbox"/> Bürkert standard in blue       |   |
| Material for the bloc             | <input checked="" type="checkbox"/> 1.4535 / 316L   | <input type="checkbox"/> 1.4435 acc. to BN <sub>2</sub> / ASME BPE | Specific material: _____                  |
| Surface finish (internal)         | <input type="checkbox"/> 0.8 <input checked="" type="checkbox"/> 0.6 <input type="checkbox"/> 0.4 <input type="checkbox"/> 0.25 |  | Specific surface finish (Ra in µm): _____ |
|                                   | <input type="checkbox"/> Electropolish  |  | _____                                     |
| Surface finish (external)         | <input checked="" type="checkbox"/> 1.6   |  | Specific surface finish (Ra in µm): _____ |
| Diaphragm material                | <input checked="" type="checkbox"/> EPDM <input type="checkbox"/> PTFE <input type="checkbox"/> FKM                             |  | _____                                     |

**Connection definition**

| Nominal size<br>C-Nr. | DN    | Weld end                       |  |                           | Clamp                    |                          |                          | Divers |
|-----------------------|-------|--------------------------------|--|---------------------------|--------------------------|--------------------------|--------------------------|--------|
|                       |       | DIN 11860 S.2<br>DIN 11866 S.A | ISO 4200<br>EN ISO 1127<br>DIN 11866 S.B | ASME BPE<br>DIN 11866 S.C | DIN 32676 S. A           | DIN 32676 S. B           | ASME BPE                 |        |
| C1                    | _____ | <input type="checkbox"/>       | <input type="checkbox"/>                 | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____  |
| C2                    | _____ | <input type="checkbox"/>       | <input type="checkbox"/>                 | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____  |
| C3                    | _____ | <input type="checkbox"/>       | <input type="checkbox"/>                 | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____  |
| C4                    | _____ | <input type="checkbox"/>       | <input type="checkbox"/>                 | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____  |
| C5                    | _____ | <input type="checkbox"/>       | <input type="checkbox"/>                 | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____  |
| C6                    | _____ | <input type="checkbox"/>       | <input type="checkbox"/>                 | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____  |
| C7                    | _____ | <input type="checkbox"/>       | <input type="checkbox"/>                 | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____  |
| C8                    | _____ | <input type="checkbox"/>       | <input type="checkbox"/>                 | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____  |

Actuator and actuation see specification on next page.



**Customized configuration – request for quotation, *continued***

**Automation system** (product overview)

**ELEMENT actuator system**

- compact stainless steel design
- designed for modular actuation
- fresh air system

**ELEMENT control head Type 8691**

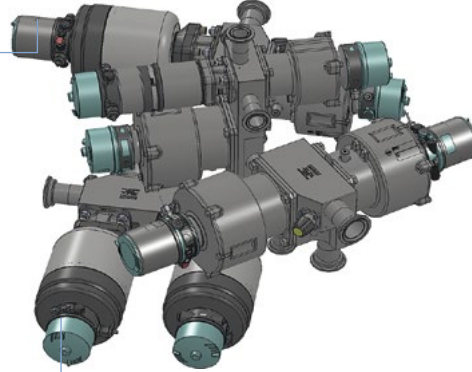
- integrated pilot valve
- position teach in
- large LED indication
- ASI and device net communication possible

**ELEMENT control head Type 8695 for actuator 50 mm**

- integrated pilot valve
- position teach in
- large LED indication
- ASI and device net communication possible

**ELEMENT feedback head Type 8690 / 8697**

- mechanical electrical feedback
- inductive feedback
- Eexi version



Description fluidic system Type 2034

Detail information on [www.burkert.com](http://www.burkert.com)

**Technical data - Actuation**

Pilot pressure \_\_\_\_\_  Bürkert standard in blue

Ambient temperature \_\_\_\_\_

Cycle per year \_\_\_\_\_

Implementation (clean room, outside...) \_\_\_\_\_

Hazardous location (EX / ATEX / NAMUR) \_\_\_\_\_

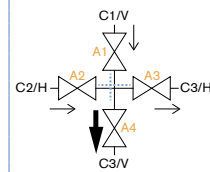
Actuator material  St. steel/Plastic  Plastic

Power supply  8 V Namur  24 V/DC  230 V/50 - 60 Hz

IP protection  IP65  IP67

Automation  ASI  DeviceNet

Remarks:



Other actuator material \_\_\_\_\_

Other protection / application conditions \_\_\_\_\_

Other power supply \_\_\_\_\_

Other automation (PLC / Fieldbus) \_\_\_\_\_

**Definition actuation, feedback, pilote valves control head**

| Nominal size<br>A-Nr. | DN    | Actuator                 |                          | Control feedback         |                          | Control head<br>+ Pilot valve | Control function         |                          |
|-----------------------|-------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------|--------------------------|--------------------------|
|                       |       | Pneumatic                | Manual                   | Position ON              | Position OFF             |                               | normally closed          | normally open            |
| A1                    | _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>      | <input type="checkbox"/> | <input type="checkbox"/> |
| A2                    | _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>      | <input type="checkbox"/> | <input type="checkbox"/> |
| A3                    | _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>      | <input type="checkbox"/> | <input type="checkbox"/> |
| A4                    | _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>      | <input type="checkbox"/> | <input type="checkbox"/> |
| A5                    | _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>      | <input type="checkbox"/> | <input type="checkbox"/> |
| A6                    | _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>      | <input type="checkbox"/> | <input type="checkbox"/> |
| A7                    | _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>      | <input type="checkbox"/> | <input type="checkbox"/> |
| A8                    | _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>      | <input type="checkbox"/> | <input type="checkbox"/> |

Fluidic specification, connections, norms see previous page.

In case of special application conditions, please consult for advice.

Subject to alteration.  
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