Adapters for hygienic process valves

- Positioner / Process controller TopControl ELEMENT Type 8692, 8693, 8694 BASIC and 8696 BASIC
- Positioner / Process controller SideControl Remote Type 8792, 8793 and 8791 BASIC
- Control heads Type 8681 and ELEMENT Type 8690, 8691 and 8695
- Integrated program for decentralised automation of hygienic process valves and auxiliary processes

Can be combined with

- Type 8681
  Control head for decentralised automation of hygienic process valves

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

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

- Type 8693
  Digital electro-pneumatic process controller for integrated mounting on process control valves

- Type 8694
  Digital electropneumatic positioner for the integrated mounting on process control valves

- Type 8792
  Digital electropneumatic Positioner SideControl

Type description

Optimised for hygienic process technology in the beverage, food and pharmaceutical industry, control heads, positioners and process controllers can be combined with all types of pneumatically actuated process valves. In terms of automation concept and field equipment selection this enables complete uniform solutions, regardless of whether they are hygienic single-seat, double seat and flap valves or armatures for auxiliary mediums such as steam, water and cleaning chemicals. This standardisation reduces stock and simplifies plant operation by reducing the diversity of devices. Through robust adapters, specifically tailored to all commercially available armatures, control heads, positioners and process controllers are integrated in a simple and reliable way.

Product variants described in the data sheet may differ from the product presentation and description.
## Table of contents

1. **Product versions**  
   1.1. Control heads ................................................................................................................................. 3  
       Control head Type 8681 ...................................................................................................................... 3  
       Control head Type 8691 and Type 8695 ............................................................................................ 4  
       Pneumatic control unit/feedback Type 8690 and Type 8697 .............................................................. 4  
   1.2. Positioner and process controller .................................................................................................. 5  
       Positioner TopControl Type 8692 ...................................................................................................... 5  
       Process controller TopControl Type 8693 .......................................................................................... 6  
       Positioner TopControl BASIC Type 8694 and Type 8696 ................................................................. 6  
       Positioner SideControl Remote Type 8792 with 8798 ...................................................................... 7  
       Process controller SideControl Remote Type 8793 with 8798 ......................................................... 8  
       Positioner SideControl BASIC Remote Type 8791 with 8798 and Type 8791 IP20 with 8798 .......... 8  

2. **Materials**  
   2.1. Material specifications ..................................................................................................................... 9  

3. **Dimensions**  
   .......................................................................................................................................................... 9  

4. **Ordering information**  
   4.1. Notes regarding product selection ................................................................................................. 10  
   4.2. Notes on the selection of adapter kits for control heads and position/process controllers ............. 10  
       Flange interface of control unit/adapter kit for ELEMENT series, Type 869x .................................... 10  
       Flange interface of control/adapter kit for control head, Type 8681 .................................................. 10  
       Adapter kits with stroke compensation ............................................................................................ 10  
   4.3. Ordering chart Bürkert adapter kits .............................................................................................. 11  
       For Alfa Laval valves ......................................................................................................................... 11  
       For GEA Tuchenhagen valves ............................................................................................................ 14  
       For Definox valves ............................................................................................................................ 18  
       For Aseptomag valves ....................................................................................................................... 20  
       For APV/SPX valves ............................................................................................................................ 22  
       For Bardiani valves ............................................................................................................................ 24  
       For Tyco Hovap valves ....................................................................................................................... 26  
       For Millipore NovAseptic valves ....................................................................................................... 27  
       For Kieselmann valves ....................................................................................................................... 28  
       For Nocado valves ............................................................................................................................. 30  
       For INOXPA valves ............................................................................................................................ 31
1. Product versions

1.1. Control heads

Thanks to their hygienic design, smart control heads are the ideal decentralised automation process component in a hygienic environment. They take over the complete pneumatic actuation, feedback control and diagnostic functions but also field bus communication. Reliability is guaranteed through resistant materials and field-proven IP protection, which is additionally secured by means of a pressurized housing avoiding intake of condensate and moisture. Key features are the pneumatic valves with integrated restriction function, check valves and manual actuation as well as the automatic Teach function of the contactless and thus wear-free end position sensor.

The coloured status display uses high-power LEDs for easy process monitoring. As communication interfaces, AS-Interface, IO-Link and büS (Bürkert system bus) are available.

For further information on the control head programme, visit us online at: www.burkert.com.

### Control head Type 8681

<table>
<thead>
<tr>
<th>Control head</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 8681</td>
<td>The Type 8681 control head is optimised for decentralised automation of hygienic process valves. Thanks to its universal adaptation, it can be combined with all normal commercial butterfly valves, ball valves, single and double seated valves. With a decentralised automation concept, the control head takes over all pneumatic actuation, feedback and diagnostic functions including fieldbus communication. The housing is easy to clean and features field-proven IP protection as well chemically resistant materials for use in hygienic processing in food, beverage and pharmaceutical industries. Depending on the process valve type, up to 3 pneumatic actuator chambers can be controlled independently from each other.</td>
</tr>
</tbody>
</table>

#### Features
- Universal actuator adaptation for hygienic process valves
- Controls single and double-acting actuators
- Automatic setting of end position detection by teach function
- Highly dynamic positioning system without internal control air consumption in controlled state
- Pilot valve with manual override, throttling function and integrated check valve
- Coloured status display
- Integrated diagnostic functions for valve monitoring
- IO-Link, AS-Interface or büS/CANopen

#### Customer benefits
- Flexibility through universal actuator adaptations to all hygienic process valves available on the market
- Easy commissioning through automatic Teach function
- Guaranteed reliability and predictable maintenance through valve monitoring and diagnosis
- Safe process monitoring and easy valve diagnostics through highly visible illuminated status indicator
Control head Type 8691 and Type 8695

<table>
<thead>
<tr>
<th>Control head</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 8691</td>
<td>The control head Type 8691/8695 is designed for decentralised automation of pneumatic process valves and specifically for the requirements of hygienic process environments. The registration of the valve end position is done through a contact-free analogue position sensor. The sensor automatically recognises and saves the valve end position through the Teach function when starting up. The integrated pilot valve controls single or double-acting actuators. The housing is easy to clean and features field-proven IP protection as well chemically resistant materials for use in hygienic processing in food, beverage and pharmaceutical industries.</td>
</tr>
</tbody>
</table>

**Features**
- Hygienic stainless steel design according to EHEDG guidelines
- Teach function for automatic recognition of valve end positions
- Contact- and wear-free inductive position sensor
- Status display through high-power coloured LED
- Integrated pilot valve with manual override
- IO-Link, AS-Interface or büs/CANopen

**Customer benefits**
- Easy and safe commissioning through automatic Teach function
- Safe process monitoring and easy valve diagnostics through highly visible high-power coloured LEDs
- Guaranteed reliability and predictable maintenance through valve monitoring and diagnosis
- Minimal space requirement in plant piping for more flexibility in plant design

Type 8691

Type 8695

Pneumatic control unit/feedback Type 8690 and Type 8697

<table>
<thead>
<tr>
<th>Pneumatic control unit/feedback</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 8690</td>
<td>The pneumatic control Type 8690/8697 combines electrical position feedback and pneumatic control for single (8697) or double acting actuators and is also optionally available in an intrinsically safe version according to ATEX/IECEx. Mechanical or inductive limit switches detect the valve position.</td>
</tr>
</tbody>
</table>

**Features**
- Optical position indicator
- Mechanical or inductive limit switches for end position registering
- Integrated pilot valve with manual override
- Compact design
- Optional intrinsically safe version according to ATEX/IECEx

**Customer benefits**
- Easy commissioning through automatic Teach function
- Signal reliability due to automatic adjustment of the limit position switches
- Minimal space requirement in plant piping for more flexibility in plant design

Type 8690

Type 8697
1.2. Positioner and process controller

Uniquely integrated yet universally combinable, the digital positioners and process controllers of the TopControl ELEMENT series offer an optimal solution for product control with hygienic process valves as well as for the control of auxiliary mediums.

The smart positioners and process controllers in hygienic design are extremely compact, resistant to cleaning and form a robust unit with the control valve actuators. The internal position sensor is contactless and thus wear-free. The built-in particle filter is easily maintained and supports operational safety against dirt particles in the air. Without intrinsic compressed air consumption, the energy consumption is minimised by the pilot valve system.

With identical adapter kits and device operation features, the product range of positioners and process controllers also provides SideControl devices for remote control as an addition to the TopControl ELEMENT series. Bürkert also offers devices according to IEC/NAMUR standard for classical linear and rotary actuators. Communication occurs via PROFIBUS DP-V1, EtherNet/IP, PROFINET, Modbus TCP or büS (Bürkert system bus).

For further information on the positioner and process controller programme, visit us online at: www.burkert.com.

Positioner TopControl Type 8692

<table>
<thead>
<tr>
<th>Positioner TopControl</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 8692</td>
<td>The intelligent positioner Type 8692 is designed for integrated mounting on pneumatic actuators and specifically for the requirements of hygienic process environments. The initialisation of the process controller and positioner are automatically performed when using the TUNE function. The illuminated graphic display enables the easy handling as well as the selection of additional software functions and parameterisation. Device configuration and parameterisation are easily carried out by the Bürkert Communicator software via a PC interface.</td>
</tr>
</tbody>
</table>

**Features**
- Hygienic stainless steel design according to EHEDG guidelines
- Contact- and wear-free inductive position sensor
- Automatic initialisation of the positioner via TUNE function
- Highly dynamic positioning system for single and double-acting actuators
- Without internal control air consumption in controlled state
- Integrated diagnostic functions for valve monitoring
- PROFIBUS DP-V1, EtherNet/IP, PROFINET, Modbus TCP, Bürkert system bus (büS)

**Customer benefits**
- Quick and easy start-up
- Intuitive and easy operation via illuminated graphic display and keypad
- Guaranteed reliability and predictable maintenance through valve monitoring and diagnosis
- Energy saving due to a pneumatic control system without internal air consumption in controlled state
### Process controller TopControl Type 8693

<table>
<thead>
<tr>
<th>Process controller TopControl</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Type 8693" /></td>
<td>The intelligent process controller Type 8693 is designed for integrated mounting on pneumatic actuators and specifically for the requirements of hygienic process environments. The initialisation of the process controller and positioner are automatically performed when using the TUNE function. The illuminated graphic display enables the easy handling as well as the selection of additional software functions and parameterisation. Device configuration and parameterisation are easily carried out by the Bürkert Communicator software via a PC interface.</td>
</tr>
</tbody>
</table>

#### Features
- Hygienic stainless steel design according to EHEDG guidelines
- Contact- and wear-free inductive position sensor
- Automatic initialisation of the positioner and process controller via TUNE function
- Highly dynamic positioning system for single and double-acting actuators
- Without internal control air consumption in controlled state
- Integrated diagnostic functions for valve monitoring
- PROFIBUS DP-V1, EtherNet/IP, PROFINET, Modbus TCP, Bürkert system bus (büS)

#### Customer benefits
- Quick and easy start-up
- Intuitive and easy operation via illuminated graphic display and keypad
- Guaranteed reliability and predictable maintenance through valve monitoring and diagnosis
- Energy saving due to a pneumatic control system without internal air consumption in controlled state

### Positioner TopControl BASIC Type 8694 and Type 8696

<table>
<thead>
<tr>
<th>Positioner TopControl BASIC</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Type 8694" /></td>
<td>The compact positioners Type 8694 and Type 8696 are designed for integrated mounting on pneumatic actuators and specifically for the requirements of hygienic process environments. The operation and parameterisation are done via push buttons and DIP switches. Device configuration and parameterisation are easily carried out by the Bürkert Communicator software tool via a PC interface.</td>
</tr>
</tbody>
</table>

#### Features
- Hygienic stainless steel design according to EHEDG guidelines
- Contact- and wear-free inductive position sensor
- Highly dynamic positioning system for single and double-acting actuators
- Without internal control air consumption in controlled state
- AS-Interface, IO-Link, Bürkert system bus (büS)

#### Customer benefits
- Quick and easy start-up
- Minimum space requirement in plant pipework for more flexibility in plant design
- Guaranteed reliability and predictable maintenance through valve monitoring and diagnosis
- Energy saving due to a pneumatic control system without internal air consumption in controlled state
Positioner SideControl Remote Type 8792 with 8798

<table>
<thead>
<tr>
<th>Positioner SideControl Remote</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>The intelligent digital positioner Type 8792 is designed for integrated mounting on linear and rotary actuators with standardisation according to IEC 534-6 or VDI/VDE 3845 for complex control tasks. In addition, the version with remote sensor Type 8798 can be combined with Bürkert process control valves. The operation is done on an illuminated graphic display. The initialisation of the process controller and positioner are automatically performed when using the TUNE function. Thereby, the type of control system is automatically detected and determines the appropriate controller structure with the corresponding optimal parameter set.</td>
<td></td>
</tr>
</tbody>
</table>

Features

- Compact and robust design
- Adaptation according to IEC 534-6 and VDI/VDE 3845 for linear and rotary actuators or as remote version on hygienic process valves
- Automatic initialisation of positioner via TUNE function
- Universal positioning system for single and double-acting actuators
- Highly dynamic positioning system without internal control air consumption in controlled state
- Integrated diagnostic functions for valve monitoring
- Illuminated graphic display with keypad
- PROFIBUS DP-V1, EtherNet/IP, PROFINET, Modbus TCP, Bürkert system bus (büS)

Customer benefits

- Quick and easy start-up
- Intuitive and easy operation via illuminated graphic display and keypad
- Guaranteed reliability and predictable maintenance through valve monitoring and diagnosis
- Energy saving due to a pneumatic control system without internal air consumption in controlled state
### Process controller SideControl Remote Type 8793 with 8798

<table>
<thead>
<tr>
<th>Process controller</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SideControl Remote</td>
<td>The intelligent digital process controller Type 8793 are designed to be mounted on linear and rotary actuators with standardisation according to IEC 534-6 or VDI/VDE 3845 for complex control tasks. In addition, the version with remote sensor Type 8798 can be combined with Bürkert process control valves. The operation is done on an illuminated graphic display. The initialization of the process controller and positioner are automatically performed when using the TUNE function. Thereby, the type of control system is automatically detected and determines the appropriate controller structure with the corresponding optimal parameter set.</td>
</tr>
</tbody>
</table>

#### Features
- Compact and robust design
- Adaptation according to IEC 534-6 and VDI/VDE 3845 for linear and rotary actuators or as remote version on hygienic process valves
- Automatic initialisation of positioner via TUNE function
- Universal positioning system for single and double-acting actuators
- Highly dynamic positioning system without internal control air consumption in controlled state
- Integrated diagnostic functions for valve monitoring
- Illuminated graphic display with keypad
- PROFIBUS DP-V1, EtherNet/IP, PROFINET, Modbus TCP, Bürkert system bus (büS)

#### Customer benefits
- Quick and easy start-up
- Intuitive and easy operation via illuminated graphic display and keypad
- Guaranteed reliability and predictable maintenance through valve monitoring and diagnosis
- Energy saving due to a pneumatic control system without internal air consumption in controlled state

### Positioner SideControl BASIC Remote Type 8791 with 8798 and Type 8791 IP20 with 8798

<table>
<thead>
<tr>
<th>Positioner SideControl BASIC Remote</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 8791</td>
<td>The digital positioner Type 8791 is designed for mounting on linear and rotary actuators with standardisation according to IEC 534-6 or VDI/VDE 3845 or as remote version with remote position sensor for simple control tasks. In addition, the version with remote sensor Type 8798 can be combined with Bürkert process control valves. All operating elements are located inside the housing.</td>
</tr>
</tbody>
</table>

#### Features
- Compact and robust design
- Adaptation according to IEC 534-6 and VDI/VDE 3845 for linear and rotary actuators or as remote version on hygienic process valves
- Universal positioning system for single and double-acting actuators
- Highly dynamic positioning system without internal control air consumption in controlled state
- AS-Interface, IO-Link, Bürkert system bus (büS) (not with positioner IP20)

#### Customer benefits
- Quick and easy start-up
- Simple device for simple control tasks
- Energy-saving due to a pneumatic control system without internal air consumption in controlled state

### Positioner IP20 Type 8791 with remote sensor Type 8798
2. Materials

2.1. Material specifications

The adapter kits are made of stainless steel.

3. Dimensions

Note:
Further information about dimensions are given in the chapters listed below.

Bürkert adapter kits suitable for:

<table>
<thead>
<tr>
<th>Valve Type</th>
<th>Further Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfa Laval valves</td>
<td>“For Alfa Laval valves” on page 11</td>
</tr>
<tr>
<td>GEA Tuchenhagen valves</td>
<td>“For GEA Tuchenhagen valves” on page 14</td>
</tr>
<tr>
<td>Definox valves</td>
<td>“For Definox valves” on page 18</td>
</tr>
<tr>
<td>Aseptomag linear actuators</td>
<td>“For Aseptomag valves” on page 20</td>
</tr>
<tr>
<td>APV/SPX valves</td>
<td>“For APV/SPX valves” on page 22</td>
</tr>
<tr>
<td>Bardiani valves</td>
<td>“For Bardiani valves” on page 24</td>
</tr>
<tr>
<td>Tyco Hovap valves</td>
<td>“For Tyco Hovap valves” on page 26</td>
</tr>
<tr>
<td>Millipore NovAseptic valves</td>
<td>“For Millipore NovAseptic valves” on page 27</td>
</tr>
<tr>
<td>Kieselmann valves</td>
<td>“For Kieselmann valves” on page 28</td>
</tr>
<tr>
<td>Nocado valves</td>
<td>“For Nocado valves” on page 30</td>
</tr>
<tr>
<td>INOXPA valves</td>
<td>“For INOXPA valves” on page 31</td>
</tr>
</tbody>
</table>
4. Ordering information

4.1. Notes regarding product selection

Notes:

- Subject to alteration of technical data and design of third party actuators. A sampling of the respective associated adapter kit is therefore necessary in every case. The information on the combinability of the adapter kit is therefore given with reservation.
- The ordering charts for adapter kits in chapter “4. Ordering information” on page 10 refer to third-party valve actuators and not to the valves themselves.
- Therefore, the actuator is the decisive factor in the selection of suitable adapter.

4.2. Notes on the selection of adapter kits for control heads and position/process controllers

Flange interface of control unit/adapter kit for ELEMENT series, Type 869x

For control units of Type 869x, there are two different variants of flange interfaces which can be distinguished from each other by internal or external air supply to the actuator.

Flange interface with internal air flow

- Enables direct internal control air supply to the actuator without external tubing.
- Adaptations for flange interface with internal air supply are primarily designed for single-acting actuators.
- Adaptations that can be used for both single-acting and double-acting actuators are marked accordingly in the ordering charts.

Flange interface with external air flow

- The control air is routed via the external tubing between the control unit and the actuator.
- Some article no. for control units with external air supply are only available on request in the data sheets of control units (Type 869x).

Flange interface of control/adapter kit for control head, Type 8681

With Type 8681 control head, air supply to the actuator is always connected externally. Direct internal air routing is not possible.

Flange interface combination – adaptation

The ordering charts for adapter kits show which flange interface of the control unit can be combined with which adaptation.

Adapter kits with stroke compensation

For certain actuators, adapter kits with stroke compensation are offered. These are marked accordingly in the ordering charts.

Adapter kits with mechanical stroke compensation facilitate the detection of valve end positions for actuators exceeding the stroke detection range of the control unit.

Contact and support

If you have any questions about the above, please contact your local Bürkert sales office.
4.3. Ordering chart Bürkert adapter kits

For Alfa Laval valves

Note:
- Further information can be found in chapter "4.1. Notes regarding product selection" on page 10.
- Further versions on request

<table>
<thead>
<tr>
<th>Actuator type</th>
<th>Designation actuator/valve Alfa Laval</th>
<th>Article no. adapter kit for Bürkert control heads</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Type 8681</td>
</tr>
<tr>
<td>Control air supply</td>
<td></td>
<td>External</td>
</tr>
<tr>
<td>Linear actuator (for seat valves)</td>
<td>Unique Mixproof</td>
<td>251806</td>
</tr>
<tr>
<td></td>
<td>Unique SSV Ø 85 mm Ø 115 mm Ø 156 mm</td>
<td>251806</td>
</tr>
<tr>
<td></td>
<td>SRC Ø 87 mm</td>
<td>251806</td>
</tr>
<tr>
<td></td>
<td>Unique 7000</td>
<td>251806</td>
</tr>
<tr>
<td></td>
<td>Unique SSV Long Stroke</td>
<td>20004142</td>
</tr>
<tr>
<td>Rotary actuator (for butterfly/ball valves)</td>
<td>LKLA-T Ø 85 mm for LKB</td>
<td>251806</td>
</tr>
<tr>
<td></td>
<td>LKLA-T Ø 133 mm for LKB</td>
<td>251806</td>
</tr>
</tbody>
</table>

1.) Adaptation with stroke compensation
Type KK01

Note:
Dimensions in mm

Unique Mixproof and LKB
Type 8681

SRC
Ø 87 mm

Unique SSV
Ø 85 mm, Ø 115 and Ø 156 mm

Unique SSV
Long Stroke
For GEA Tuchenhagen valves

Note:
- Further information can be found in chapter “4.1. Notes regarding product selection” on page 10.
- The adapter kits can only be used in combination with GEA Tuchenhagen valves with circuit function A, circuit function B after prior testing or on request.
- Further versions on request

<table>
<thead>
<tr>
<th>Actuator type</th>
<th>Designation actuator/valve GEA Tuchenhagen</th>
<th>Article no. adapter kit for Bürkert control heads</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control air supply</td>
<td></td>
<td>Type 8681</td>
</tr>
<tr>
<td>Linear actuator</td>
<td></td>
<td>External</td>
</tr>
<tr>
<td>(for seat valves)</td>
<td>ECOVENT</td>
<td>230973</td>
</tr>
<tr>
<td></td>
<td>VARIVENT AA - EH5, Z ZBB - ZEH Mixproof</td>
<td>230973</td>
</tr>
<tr>
<td></td>
<td>VARIVENT DF6 - SN6, ZEK6Z - SN6Z</td>
<td>230973</td>
</tr>
<tr>
<td>Rotary actuator</td>
<td>T-Smart 7</td>
<td>279454</td>
</tr>
<tr>
<td>(for butterfly/ball valves)</td>
<td>T-Smart 9</td>
<td>279454</td>
</tr>
<tr>
<td></td>
<td>T-Smart 8000</td>
<td>230967</td>
</tr>
</tbody>
</table>

1.) Adaptation with stroke compensation
2.) Phase-out drive model replaced by T-Smart 7
Note:
Dimensions in mm

Varivent
Type 8681

SCAMI

Ecovent
Type 8692 and Type 8693

Type 8691, Type 8694 and Type 8798 Remote

T-Smart 8000
Type 8692 and Type 8693

Type 8691, Type 8694 and Type 8798 Remote
Type KK01

Varivent AA - EH5 / Z ZBB - ZEH Mixproof
Type 8691 and Type 8798 Remote

Type 8692 and Type 8693
For Definox valves

Note:

- Further information can be found in chapter “4.1. Notes regarding product selection” on page 10.
- Further versions on request

<table>
<thead>
<tr>
<th>Actuator type</th>
<th>Designation actuator/valve Definox</th>
<th>Article no. adapter kit for Bürkert control heads</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control air supply</td>
<td></td>
<td>Type 8681</td>
</tr>
<tr>
<td></td>
<td></td>
<td>External</td>
</tr>
<tr>
<td>Linear actuator (for seat valves)</td>
<td>VDCI MC PFA DN 38 - 51</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>VDCI MC PFA DN 38 - 51/63 - 80/104 - 150</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>VEOX DN 63 - 80/104 - 150</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>DCX3 DN 25 - 38/63 - 76/65 - 80/100/104</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>DCX4 DN 25 - 38/63 - 76/65 - 80/100/104</td>
<td>–</td>
</tr>
<tr>
<td>Rotary actuator (for butterfly/ball valves)</td>
<td>DPAX DN 25/80/104/125/150</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>DBAX DN 25 - 80</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>DBAX DN 25/50/80/104/150</td>
<td>–</td>
</tr>
</tbody>
</table>

1.) Adaptation with stroke compensation

**Note:**

Dimensions in mm
Type KK01

DCX3 and DCX4
Type 8692 and Type 8693

Type 8691, Type 8694 and Type 8798

Type 8681

Ø 50
8
M8
Ø 80

Ø 91
211
73
17.4

Ø 107
269
194
48

Ø 106.7
68.4
50
M8

DMAX
Type 8695 and Type 8696

VDCI MC PFA
DCX3/DCX4 Type 8681

Ø 59
50
M4
Ø 59
32

Ø 65
167
76
187

Ø 102.5
102.5
50
M8

Visit product website

19 | 31
For Aseptomag valves

Note:

- Further information can be found in chapter "4.1. Notes regarding product selection" on page 10.
- Further versions on request

<table>
<thead>
<tr>
<th>Actuator type</th>
<th>Designation actuator/valve Aseptomag</th>
<th>Article no. adapter kit for Bürkert control heads</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control air supply</td>
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<tr>
<td>Linear actuator (for seat valves) PA Ø 50/60 mm</td>
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<tr>
<td>PA Ø 80/100/135 mm 1.)</td>
<td>230985</td>
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<tr>
<td>PA Ø 50...210 mm</td>
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</tbody>
</table>

1.) For OKF, LV, double-seat valves, single-seat valves AV and UV

Note:
Dimensions in mm
Type KK01

PA 50/60 mm
Type 8695

Type 8696

Visit product website
For APV/SPX valves

Note:
Further information can be found in chapter “4.1. Notes regarding product selection” on page 10.

<table>
<thead>
<tr>
<th>Actuator type</th>
<th>Designation actuator/valve APV/SPX</th>
<th>Article no. adapter kit for Bürkert control heads</th>
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<tr>
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<td>Type 8681</td>
</tr>
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<tr>
<td>Linear actuator (for seat valves)</td>
<td>SW4</td>
<td>230966</td>
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<tr>
<td>Rotary actuator (for butterfly/ball valves)</td>
<td>SV1/SV1F Ø 85 mm</td>
<td>230992</td>
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</table>

1.) Adaptation with stroke compensation

Note:
Dimensions in mm
For Bardiani valves

Note:
- Further information can be found in chapter "4.1. Notes regarding product selection" on page 10.
- Further versions on request

<table>
<thead>
<tr>
<th>Actuator type</th>
<th>Designation actuator/valve Bardiani</th>
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<td><strong>Type 8681</strong></td>
<td><strong>Type 8691</strong></td>
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<tr>
<td>Linear actuator (for seat valves)</td>
<td>BBZPM</td>
<td>683478 ᵃ</td>
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<tr>
<td>MACH83</td>
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<td>–</td>
</tr>
<tr>
<td>MACH98</td>
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</tr>
<tr>
<td>ZAW ¹ ¹ DN 40...DN 65</td>
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<tr>
<td>ZAW ¹ ¹ DN 80...DN 100</td>
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<tr>
<td>ZD90 ¹¹</td>
<td>246082 ᵃ</td>
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<td>BZAW DN 40...DN 100</td>
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<tr>
<td>B925 DN 10...DN 50</td>
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<td>B935 DN 10...DN 50</td>
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¹) Phase-out model

Note:
Dimensions in mm

![Diagram of BBZPM, ZAW and Mach 83/93 Type 8681](image_url)

![Diagram of Type 8692 and Type 8693](image_url)

![Diagram of Type 8691, Type 8694 and Type 8798 Remote](image_url)
For Tyco Hovap valves

Note:
- Further information can be found in chapter “4.1. Notes regarding product selection” on page 10.
- Further versions on request

<table>
<thead>
<tr>
<th>Actuator type</th>
<th>Designation actuator/valve Tyco Hovap</th>
<th>Article no. adapter kit for Bürkert control heads</th>
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<td>Linear actuator (for seat valves)</td>
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<td>230983</td>
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<tr>
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<td>BASICFLOW SERIES 9800</td>
<td>370743</td>
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<td>BASICFLOW SERIE 9600 - 9630 1)</td>
<td>230982</td>
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1) Phase-out model

Note:
Dimensions in mm

VARIFLOW 87xx valves
Type 8681

BASICFLOW 9600 - 9630 valves
Type 8681

BASICFLOW SERIES 9800
Type 8681
For Millipore NovAseptic valves

Note:
- Further information can be found in chapter “4.1. Notes regarding product selection” on page 10.
- Further versions on request

<table>
<thead>
<tr>
<th>Actuator type</th>
<th>Designation actuator/valve Millipore NovAseptic</th>
<th>Article no. adapter kit for Bürkert control heads</th>
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<td>NovAseptic PA18</td>
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<tr>
<td>NovAseptic PA25/PA38/PA51</td>
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Note:
Dimensions in mm

![Diagram of actuator types PA12, PA18, PA25/PA38/PA51]
For Kieselmann valves

Note:
- Further information can be found in chapter “4.1. Notes regarding product selection” on page 10.
- Further versions on request

<table>
<thead>
<tr>
<th>Actuator type</th>
<th>Designation actuator/valve Kieselmann</th>
<th>Article no. adapter kit for Bürkert control heads</th>
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<tr>
<td>Control air supply</td>
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<td>Pneumatic linear actuator (as of construction date 08/2015)</td>
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1.) Adaptation for control units with rotary sensor Type 8694

**Note:**
Dimensions in mm

![Diagram of Pneumatic linear actuator Type 8681](image1)

![Diagram of Pneumatic linear actuator (as of construction date 08/2015) Type 8681](image2)
Type KK01

Pneumatic linear actuator
Type 8692 and Type 8693

Type 8691 and Type 8694

Pneumatic rotary actuator PDA 75
Type 8692 and Type 8693

Type 8694
For Nocado valves

Note:
• Further information can be found in chapter “4.1. Notes regarding product selection” on page 10.
• Further versions on request

<table>
<thead>
<tr>
<th>Actuator type</th>
<th>Designation actuator/valve Nocado</th>
<th>Article no. adapter kit for Bürkert control heads</th>
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<tbody>
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<td>Internal</td>
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<td>H100</td>
<td>370742 M6</td>
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<td>Mixproof Ø 89 mm</td>
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Note:
Dimensions in mm
For INOXPA valves

Note:
- Further information can be found in chapter “4.1. Notes regarding product selection” on page 10.
- Further versions are available on request.

<table>
<thead>
<tr>
<th>Actuator type</th>
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Note:
- Dimensions in mm

1.) Adaptation with stroke compensation