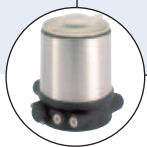


## Multifunction Bloc Solution



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

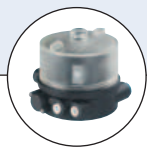
Type 2034 can be combined with...



**Type 8691**  
Control Head



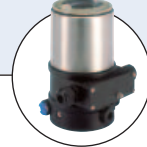
**Type 8686**  
Control Head  
Robolux



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



**Type 8685**  
Control unit  
Robolux



**Type 8692**  
Positioner Top-  
Control continuous



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

The Bürkert bloc configurations are designed for the control of ultrapure, sterile, aggressive or abrasive fluids. They are designed to be fully drainable and can be operated by either pneumatic actuator or manual handwheel.

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 / 316L</li> <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>	
<b>Surface finish</b>	Ra [µm]	Ra [µlnch]
	internal	internal
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>	<ul style="list-style-type: none"> <li>Element (DN08-50)</li> <li>Classic (DN65-100)</li> <li>Robolux</li> <li>Manual</li> </ul>	
	<ul style="list-style-type: none"> <li>PPS, cover in Stainless steel 1.4561 (316Ti)</li> <li>PA, socle in Stainless steel 1.4308</li> <li>1.4308 Stainless steel (CF8)</li> <li>PPS/PPS, PPS/St. steel (DN65, 80, 100 in full stainless steel)</li> </ul>	
<b>Pilot air ports</b>	G 1/8" or Push-In	
<b>Media temperature</b>	<ul style="list-style-type: none"> <li>EPDM (AD)</li> <li>advanced PTFE/EPDM (EU)<sup>1)</sup></li> <li>advanced PTFE laminated on EPDM (EK)<sup>2)</sup></li> </ul>	
	<ul style="list-style-type: none"> <li>-5 to +143°C (SIP: up to +150°C, 60 min.)</li> <li>+5 to +130°C (SIP: up to +143 °C, 60 min.)<sup>2)</sup></li> <li>-10 to +130°C (SIP: up to +140°C, 60 min.)</li> <li>+5 to +90°C (no steam)</li> </ul>	
<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 6	

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


<sup>2)</sup> only Robolux

Technical data, *continued*



## Pneumatic actuator

	Port connection DN		Orifice (diaphragm size) [mm]	Actuator size Ø [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> 	8	1/4"	8	50	5	10	10	10
	10	3/8"	8	50	5	10	10	10
	15	1/2"	15	70	5	10	10	10
	20	3/4"	20	70	5	10	10	10
	25	1"	25	70	5	10	6.5	6
				90	5.5	10	10	8
	40	1 1/2"	40	130	5	7	10	10
50	2"	50	130	5	7	8	7	
<b>Classic</b> 	65	2 1/2"	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

## Pneumatic actuator

	Actuator size [mm]	Actuator version	Pilot pressure [bar]	Max. operating pressure for seal material [bar]	
				EPDM	advanced PTFE/EPDM
<b>Robolux</b> 	RV50	D11	6-10	7.5	7.5
		D55 (reduce spring force)	4-10	5	3.5
	RV70	D11	6-10	8	8
		D55 (reduce spring force)	4-10	5.5	6
	RV110	D11	6-7	7	7.5
		D55 (reduce spring force)	4-7	5	5

## Manual actuator

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

**Pressure values (bar)**

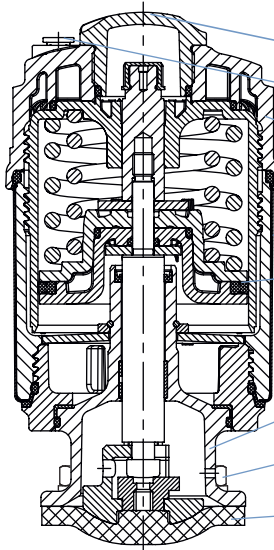
Gauge pressures with respect to the prevailing atmospheric pressure.

**Remark:**

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

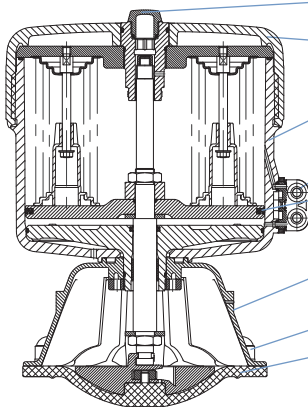
Materials

**ELEMENT actuator DN08- DN50**



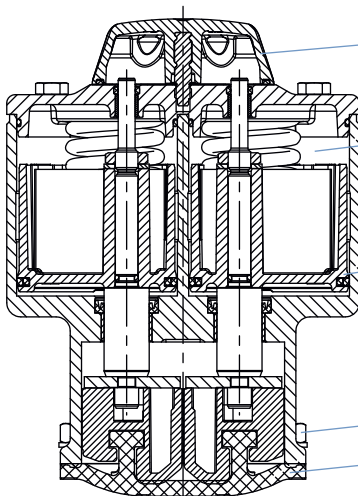
- Optical position indicator**      Transparent cap polysulfone PSU
- Pilot air ports**                      Push-in connector PP (standard)  
*on request: Thread 1/8" stainless steel 1.4305*
- Actuator cover**                          PPS
- Cover**    Stainless steel 1.4561 (316Ti)
- Piston seal** 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

**Classic actuator DN65- DN100**



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

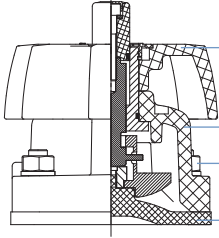
**Robolux actuator**



- Optical position indicator**      Transparent cap Polyamide 12
- Actuator**                                      Stainless steel 1.4308/PPS
- Piston seal**                                FKM
- Screws**                                      Stainless steel
- Diaphragm**                                EPDM, advanced PTFE/EPDM

## Materials, *continued*

### 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 advanced PTFE/EPDM

\* DN65 to DN100 only in stainless steel

## Approvals/certifications

- Certification of Conformity for Raw Material EN-ISO 10204 3.1
- Attestation of compliance with the order EN-ISO 10204 2.1
- Test report EN-ISO 10204 2.2
- Certification of Conformity for Pickling and Electropolishing Processes
- Certification of Conformity for the Surface Quality DIN4762-DIN4768-ISO/4287/1
- Certification for the fulfillment of FDA CFR No. 21.177.1550 for PTFE/EPDM and advanced PTFE/EPDM and 21.177.2600 for EPDM
- USP CLASS VI certification for EPDM and PTFE diaphragm
- Test Certification and Conformity Certification for the Final Assembly of Diaphragm Valves
- ISO 9001 Certification

**Note:** Retrospective manufacturing certification for process diaphragm valves can not be made, therefore please notify when ordering.

## Example of available diaphragm materials

Developed to handle the unique challenges of hygienic and sterile applications, Bürkert offers diaphragms with precise material formula and physical tolerances. Bürkert diaphragms are available in a wide range of materials which have been proven in food & beverage, biotechnology, pharmaceutical and cosmetic industry applications. Diaphragms are tested during development and production to ensure reliability in critical processing environments.



- EPDM
- PTFE/EPDM
- advanced PTFE/EPDM
- FKM

Valve features, specification key 1

Example

2034	B	04	05	E	R	VI	EU	25	0403
------	---	----	----	---	---	----	----	----	------

Specification key

(Please make a choice)

2034									
------	--	--	--	--	--	--	--	--	--

PRODUCTION OF BODY	
B	Bloc material

AMOUNT OF VALVE SEATS	
01	Seat
02	Seats
:	Seats
05	Seats
06	Seats

NUMBER OF PORTS	
01	Connection
02	Connections
:	Connections
07	Connections
08	Connections

ACTUATOR VERSION	
E	ELEMENT actuator
K	CLASSIC actuator
R	Robolux actuator
X	Robolux & CLASSIC
Y	Robolux & ELEMENT
Z	ELEMENT & CLASSIC

OPERATION	
M	Manual
P	Pneumatic
R	Pneumatic with control
X	Manual & Pneumatic

BODY MATERIAL	
VH	1.4435/AISI 316L
VI	1.4435 acc. to BN2/ASME BPE

SEAL MATERIAL	
AB	EPDM
EU	Advanced PTFE
FF	FKM
AD	EPDM for high temperature
EK	Advanced PTFE laminated on EPDM (only Robolux)

MAIN ORIFICE [mm]	
8	
15	
20	
25	
40	
50	
65	
80	
100	

CONFIGURATION

0201	see next page for further info <a href="#">go to page</a>
0202	
0203	
0227	
0233	
0234	
0236	
GMP3	
GMP4	
GMP5	
GMP6	
SAP1	
SAP2	
SAP3	
SAP4	
SAP7	
SAP8	
0235	
0325	
0301	
0303	
0319	
0413	
0403	
0416	
0417	
0501	
0602	
CSBS	

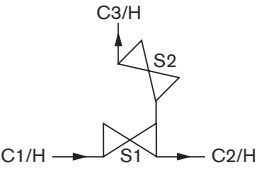
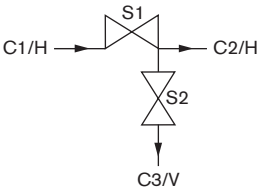
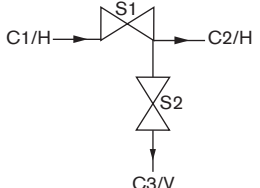
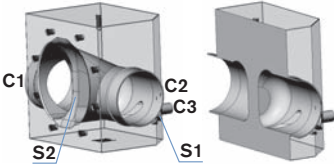
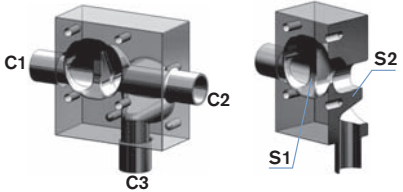
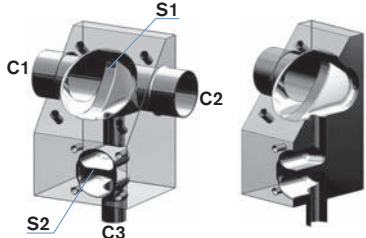
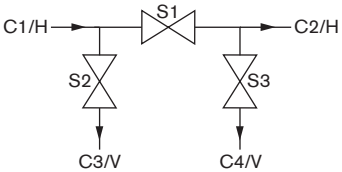
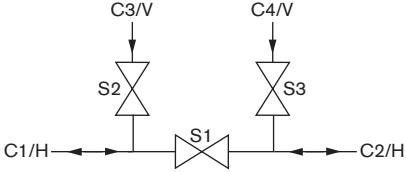
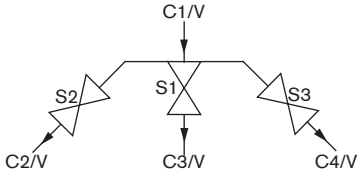
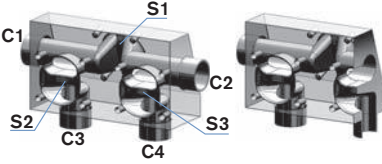
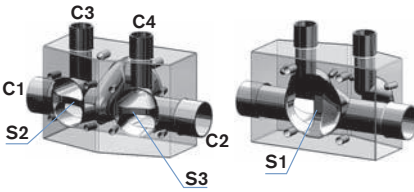
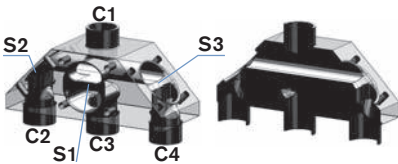
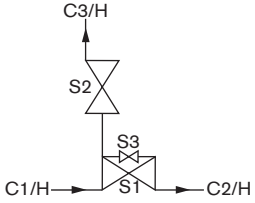
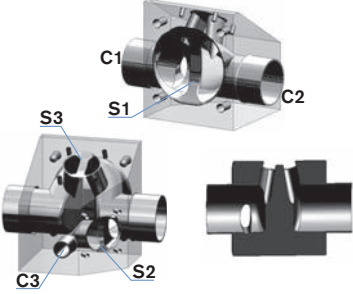
Configurations

0201	0202	0203
0227	0233	0234
0235	0236	

Configurations, *continued*

GMP3	GMP4	GMP5
GMP6		
SAP1	SAP2	SAP3

Configurations, *continued*

SAP4	SAP7	SAP8
		
		
0301	0303	0319
		
		
0325		
		
		



Configurations, *continued*

0403	0413	0416

**0417**

**0501**

**0602**

Valve features, specification key 2

Example

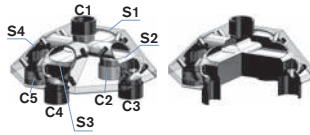
2034	25	A	25	A	25	A	20	A	-	-	-	-
	SODF	SODF	SODF	SA93	SODF	-	-	-	-	-	-	NK52 + NO23

Specification key

(Please make a choice)

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, 3.... x	
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



Port connection Valve/Seat S1

Port connection Valve/Seat S2, S3... Sx

VARIABLE CODES

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

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 - 6.0x1.0					
6	SA78 - 10.2x1.6		SC41 - 8.0x1.0					SA89 - 3.17x0.56
8	SA40 - 13.5x1.6		SC42 - 10.0x1.0					SA90 - 6.35x0.89
10	SA41 - 17.2x1.6			SF40 - 12.0x1.0	SD40 - 13.0x1.5	SE40 - 14.0x2.0	SODB - 6.35x1.2	SA91 - 9.53x0.89
15	SA42 - 21.3x1.6	SA58 - 12.0x1.0	SC43 - 18.0x1.5	SF41 - 18.0x1.0	SD42 - 19.0x1.5	SE42 - 20.0x2.0	SODD - 12.7x1.2	SA92 - 12.7x1.65
20	SA43 - 26.9x1.6	SA59 - 18.0x1.0	SC44 - 22.0x1.5	SF42 - 22.0x1.0	SD43 - 23.0x1.5	SE43 - 24.0x2.0	SODE - 19.05x1.2	SA93 - 19.05x1.65
25	SA44 - 33.7x2.0	SA60 - 25.0x1.2	SC45 - 28.0x1.5	SF43 - 28.0x1.0	SD44 - 29.0x1.5	SE44 - 30.0x2.0		SODF - 25.4x1.65
32	SA45 - 42.4x2.0	SA61 - 33.7x1.2	SC46 - 34.0x1.5	SF44 - 34.0x1.0	SD45 - 35.0x1.5	SE45 - 36.0x2.0		
40	SA46 - 48.3x2.0	SA62 - 38.0x1.2	SC47 - 40.0x1.5	SF45 - 40.0x1.0	SD46 - 41.0x1.5	SE46 - 42.0x2.0		SODH - 38.1x1.65
50	SA47 - 60.3x2.0	SA63 - 51.0x1.2	SC48 - 52.0x1.5	SF46 - 52.0x1.0	SD47 - 53.0x1.5	SE47 - 54.0x2.0		SODI - 50.8x1.65
65	SA48 - 76.1x2.0	SA64 - 63.5x1.6			SD48 - 70.0x2.0			SODJ - 63.5x1.65
80	SA49 - 88.9x2.3	SA65 - 76.1x1.6			SD49 - 85.0x2.0			SODK - 76.2x1.65
100	SA39 - 114.3x2.3	SA66 - 101.6x2.0			SD50 - 104.0x2.0			SODL - 101.6x2.11
DN [mm]	Port connection Clamp						BS 4825 (Clamp BS 4825-3, tube BS 4825-1)	
	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				
8	TC51 - 13.5x1.6 Ci: 34.0	TD40 - 10.0x1.0 Ci: 25.0	TC40 - 13.5x1.6 Ci: 25.0	TG50 - 6.35x0.89 Ci: 25.0				
10	TC41 - 17.2x1.6 Ci: 34.0	TD41 - 13.0x1.5 Ci: 34.0	TC53 - 17.2x1.6 Ci: 25.0	TG01 - 9.53x0.89 Ci: 25.0				
15	TC42 - 21.3x1.6 Ci: 34.0	TD42 - 19.0x1.5 Ci: 34.0	TC52 - 21.3x1.6 Ci: 50.5	TG02 - 12.7x1.65 Ci: 25.0				
20		TD43 - 23.0x1.5 Ci: 34.0	TC43 - 26.9x1.6 Ci: 50.5	TG03 - 19.05x1.65 Ci: 25.0				
25		TD44 - 29.0x1.5 Ci: 50.5	TC44 - 33.7x2.0 Ci: 50.5	TG04 - 25.4x1.65 Ci: 50.5				
32								
40		TD46 - 41.0x1.5 Ci: 50.5	TC46 - 48.3x2.0 Ci: 64.0	TG05 - 38.1x1.65 Ci: 50.5				
50		TD47 - 53.0x1.5 Ci: 64.0	TC47 - 60.3x2.0 Ci: 77.5	TG06 - 50.8x1.65 Ci: 64.0				
65			TC48 - 76.1x2.0 Ci: 91.0	TG07 - 63.5x1.65 Ci: 77.5				
80			TC49 - 88.9x2.3 Ci: 106.0	TG08 - 76.2x1.65 Ci: 91.0				
100			TC50 - 114.3x2.3 Ci: 130.0	TG09 - 101.6x2.11 Ci: 119.0				



**2034 - B**  
**SPECIFICATION SHEET**  
**Multifunction bloc Type 2034**

**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



Bloc solution

**Sales data**

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

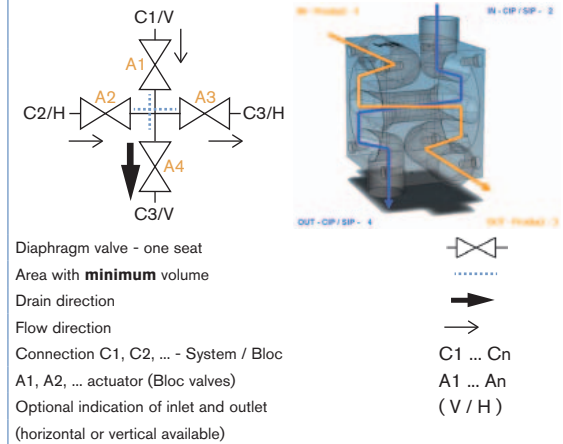
**Quantities:** \_\_\_\_\_  single enquiry  
 enquiry for series

**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	_____
Kv 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 BN2 / 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 <input type="checkbox"/> Silicone (only Robolux)		_____

**Connection definition**

Nominal size C-Nr.	DN	Weld end			Clamp			Divers
		DIN 11850 S2 DIN 11866 SA	ISO 4200 EN ISO 1127 DIN 11866 SB	ASME BPE DIN 11866 SC	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.

**2034 - B**  
**SPECIFICATION SHEET**  
**Actuator / Actuation Type 2034**

**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**

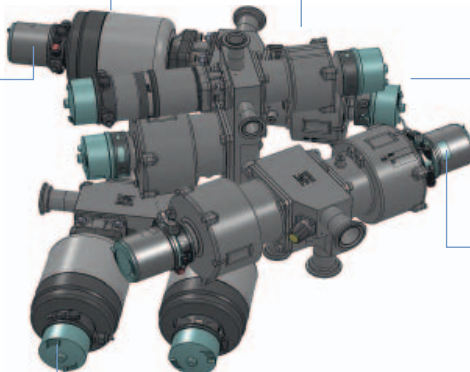
integrated pilot valve  
 position teach in  
 large LED indication  
 ASI and device net communication possible

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

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



**Robolux actuator system**

double actuator with 2 valve function  
 optimum designed for modular actuator concept  
 high life time with double piston actuator

**Robolux double feedback head Type 8685**

contactless position detection  
 LED indicator  
 ASI communication  
 Namur / Ex (without LED)

**Robolux double control head Type 8686**

2 pilot valve for multi port valve  
 contactless position detection  
 LED indicator  
 ASI communication  
 Namur / Ex (without LED)

*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 A-Nr. DN	Actuator		Control feedback		Control head + 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.*