



## Multifunction Block Solution

- Fully integrated in Bürkert's Process Control Systems
- Quality certifications FDA/3A

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

### Can be combined with

	<b>Type 8691</b> ▶ Control head for de-centralised automation of ELEMENT process valves
	<b>Type 8686</b> ▶ Control and feedback head for integrated mounting on Robolux valves Type 2036
	<b>Type 8690</b> ▶ Pneumatic control for decentralised automation of ELEMENT process valves
	<b>Type 8685</b> ▶ Type 8685 - Control and feedback head for integrated mounting on Robolux valves Type 2036
	<b>Type 8692</b> ▶ Digital electropneumatic Positioner for the integrated mounting on process control valves
	<b>Stroke limiter</b> Max./min. stroke limiter

### Type description

The Bürkert block 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.

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## 1. General technical data

Product properties	
<b>Material</b>	
Body	Stainless steel 1.4435/316L (VH) <sup>1.)</sup> Stainless steel 1.4435 acc. to BN2/ASME BPE, Fe <0.5 % (VI) <sup>1.)</sup> Others on request
Diaphragm	EPDM (AD) <sup>1.)</sup> , PTFE/EPDM (EA) <sup>1.)</sup> , advanced PTFE/EPDM (EU) <sup>1.)</sup> , Gylon®/EPDM laminated (ER) <sup>1.)</sup> , advanced PTFE/EPDM laminated (EK) <sup>1.)</sup>
<b>Actuator</b>	
ELEMENT (Type 2103)	PPS, cover in stainless steel 1.4561/316Ti, socle in stainless steel 1.4308
CLASSIC (Type 2031)	PPS, PA, socle in stainless steel 1.4308
Stainless steel/INOX (Type 2063)	Stainless steel 1.4404, socle in stainless steel 1.4308
Robolux (Type 2036)	1.4308 stainless steel (CF8)
Manual (Type 3233)	PPS/PPS, PPS/stainless steel (DN65, 80, 100 in stainless steel/stainless steel)
Nominal diameter	DN08...DN100
<b>Standard surface quality</b>	
Internal mechanically polished <sup>2.)</sup>	Ra ≤ 0.5 µm (ASME BPE SF1) (NO14) <sup>1.)</sup>
Internal electrically polished <sup>2.)</sup>	Ra ≤ 0.38 µm (ASME BPE SF4/DIN HE4) (NO17) <sup>1.)</sup>
Automated components	Position feedback/control head/positioner/process controller
<b>Performance data</b>	
Pilot pressure (max.)	See <b>"5.1. Medium pressure"</b> on page 10
Pilot air ports	Push-in connector Ø 6 mm/4 mm or ¼"; thread G ⅜"/G ¼"
<b>Medium data</b>	
Medium	Neutral gases and fluids, highly purified, sterile, aggressive or abrasive medium (see <b>Resistance Chart</b> ▶)
<b>Medium temperature</b>	
EPDM (AD) <sup>1.)</sup>	-10...+143 °C (steam sterilisation + 150 °C for 60 min)
PTFE/EPDM (EA) <sup>1.)</sup>	-10...+130 °C (steam sterilisation + 140 °C for 60 min)
Advanced PTFE/EPDM (EU) <sup>1.)</sup>	-5...+143 °C (steam sterilisation + 150 °C for 60 min)
GYLON®/EPDM laminated (ER) <sup>1.)</sup>	-5...+130 °C (steam sterilisation + 140 °C for 60 min)
<b>Robolux medium temperature</b>	
EPDM (AD) <sup>1.)</sup>	+5...+130 °C (steam sterilisation + 140 °C for 60 min)
Advanced PTFE/EPDM laminated (EK) <sup>1.)</sup>	+5...+90 °C (not recommended for steam)
GYLON®/EPDM laminated (ER) <sup>1.)</sup>	-5...+130 °C (steam sterilisation + 140 °C for 60 min)
Control medium	Neutral gases, air
<b>Process/Port connection &amp; communication</b>	
<b>Port connections</b>	
Nominal diameter <sup>2.)</sup>	DN06...DN100 (⅛"...4")
Welded connection <sup>2.)</sup>	DIN EN ISO 1127/ISO 4200/DIN 11866 series B, DIN 11850 series 2/DIN 11866 series A/DIN EN 10357 series A, ASME BPE/DIN 11866 series C
Clamp connection <sup>2.)</sup>	DIN 32676 series A (DIN-pipe), DIN 32676 series B (ISO-pipe), ASME BPE
<b>Environment and installation</b>	
<b>Ambient temperature</b>	
ELEMENT	-10...+60 °C
CLASSIC PPS ≤ 80 mm	+5...+140 °C
CLASSIC PPS 100 mm, 125 mm	+5...+90 °C (short-term up to +140 °C)
CLASSIC PA ≤ 125 mm	-10...+60 °C
CLASSIC PA ≥ 175 mm	-10...+50 °C
Stainless steel/INOX	0...+80 °C
Robolux	0...+60 °C

1.) This information is part of the product key.

2.) Further versions on request

## 2. Approvals

**Note:**

Tooling for equipment cannot be created retrospectively, so please be sure to specify when ordering.

Approvals <sup>1.)</sup>	Description
	ATEX/IECEX <sup>2.)</sup> (Available for actuators and automated components)
<b>TA-Air</b>	TA-Air <sup>3.)</sup>
	The diaphragms made of EPDM (AD), PTFE/EPDM (EA), advanced PTFE/EPDM (EU), GYLON®/EPDM laminated (ER) and advanced PTFE/EPDM laminated (EK) are suitable in their composition for use with food and beverages (acc. to EC Regulation 1935/2004/EC).
	The EPDM (AD), PTFE/EPDM (EA), advanced PTFE/EPDM (EU), GYLON®/EPDM laminated (ER) and advanced PTFE/EPDM laminated (EK) diaphragms are tested acc. to USP Class VI.
<b>FDA</b>	The composition of the EPDM (AD), PTFE/EPDM (EA), advanced PTFE/EPDM (EU), GYLON®/EPDM laminated (ER) and advanced PTFE/EPDM laminated (EK) diaphragms complies with the Code of Federal Regulations published by the FDA (Food and Drug Administration, USA).
Certificates	Description
	<ul style="list-style-type: none"> <li>• Material test certificate acc. to EN10204 3.1</li> <li>• Surface roughness test acc. to EN10204 3.1</li> <li>• Fracture test acc. to EN10204 3.1</li> <li>• Test report acc. to EN10204 2.2</li> <li>• Diaphragm certificate acc. to EN10204 2.1</li> <li>• Welding procedure certificate</li> </ul>

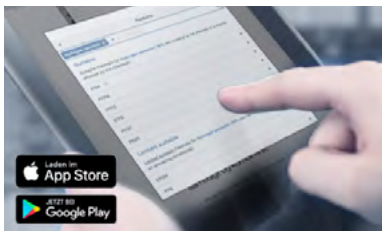
1.) Further approvals/conformity clarification/certificates on request

2.) Only in combination with variable code "PX50"

3.) Only in combination with variable code "PM01"

### 3. Materials

#### 3.1. Chemical Resistance Chart – Bürkert resistApp



**Bürkert resistApp – Chemical Resistance Chart**

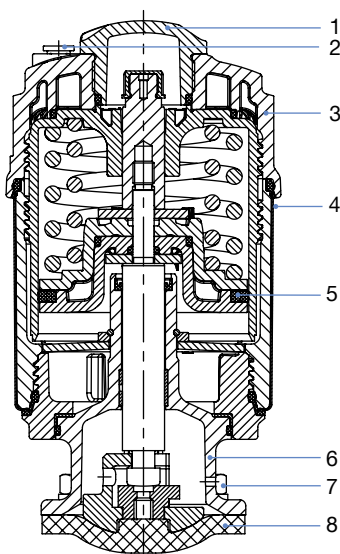
You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

[Start Chemical Resistance Check](#)

#### 3.2. Material specifications

Version with ELEMENT actuator (Type 2103)

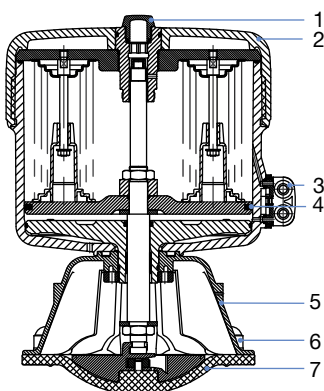
Diaphragm size: DN08...DN65



No.	Element	Material
1	Optical position indicator	Transparent cap in polysulfone PSU
2	Pilot air ports	Push-in connector PP (standard) On request: thread 1/8" stainless steel 1.4305
3	Actuator cover	PPS
4	Cover	Stainless steel 1.4561 (316Ti)
5	Piston seal	FKM
6	Socle	Stainless steel 1.4308
7	Screws	Stainless steel
8	Diaphragm	EPDM (AD), PTFE/EPDM (EA), advanced PTFE/EPDM (EU), Gylon®/EPDM laminated (ER)

Version with CLASSIC actuator (Type 2031)

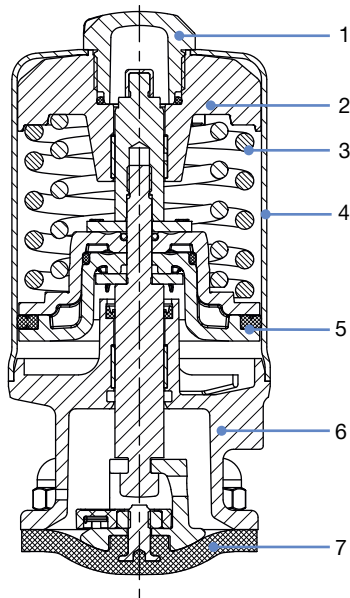
Diaphragm size: DN08...DN100



No.	Element	Material
1	Optical position indicator	Transparent cap in polysulfone (actuator size 40...125) Transparent cap in polycarbonate (actuator size 175...225)
2	Actuator	Polyphenylene sulphide PPS (actuator size 40...125) Polyamide PA (actuator size 175...225)
3	Pilot air ports	Stainless steel 1.4305
4	Piston seal	FKM (actuator size 40...125) NBR (actuator size 175...225)
5	Socle	Stainless steel 1.4404 (actuator size 40...125) Stainless steel 1.4308 (actuator size 175...225)
6	Screws	Stainless steel
7	Diaphragm	EPDM (AD), PTFE/EPDM (EA), advanced PTFE/EPDM (EU), Gylon®/EPDM laminated (ER)

Version with INOX actuator (Type 2063)

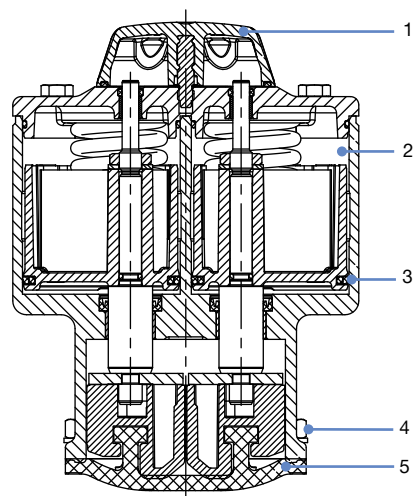
Diaphragm size: DN08...DN50



No.	Element	Material
1	Optical position indicator	Polysulfone PSU
2	Spring support	Stainless steel 1.4308
3	Spring	EN10270-2 FDSiCr
4	Actuator cover	Stainless steel 1.4404 (316L)
5	Piston seal	FKM
6	Actuator base (diaphragm socle)	Stainless steel 1.4308
7	Diaphragm	EPDM (AD), PTFE/EPDM (EA), advanced PTFE/EPDM (EU), Gylon®/EPDM laminated (ER)

Version with Robolux actuator (Type 2036)

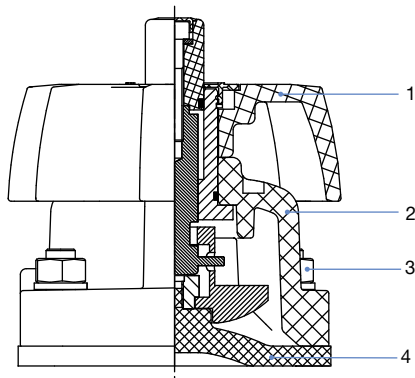
Diaphragm size: DN08...DN50



No.	Element	Material
1	Optical position indicator	Transparent cap in polyamide 12
2	Actuator	Stainless steel 1.4308/PPS
3	Piston seal	FKM
4	Screws	Stainless steel
5	Diaphragm	EPDM (AD), advanced PTFE/EPDM laminated (EK), Gylon®/EPDM laminated (ER)

Version with manual actuator (Type 3233)

Diaphragm size DN08...DN100



No.	Element	Material
1	Optical position indicator	Diaphragm size 15...50: Polyoxymethylene Diaphragm size 65...100: Stainless steel
2	Handwheel	Diaphragm size 8...50: Polyphenylene sulphide PPS (Stainless steel on request) Diaphragm size 65...100: Stainless steel
3	Socle	Diaphragm size 8...50: Polyphenylene sulphide PPS (Stainless steel on request) Diaphragm size 65...100: Stainless steel
4	Diaphragm	EPDM (AD), PTFE/EPDM (EA), advanced PTFE/EPDM (EU), Gylon®/EPDM laminated (ER)

### 3.3. Example of available membrane materials

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



- EPDM (AD)
- PTFE/EPDM (EA)
- advanced PTFE/EPDM (EU)
- Gylon®/EPDM laminated (ER)
- advanced PTFE/EPDM laminated (EK)

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

## 4. Device/Process connections

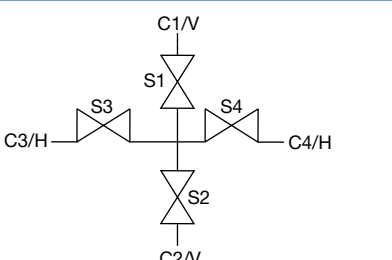
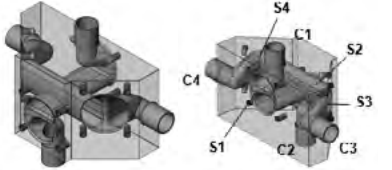
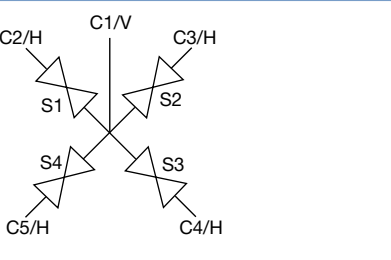
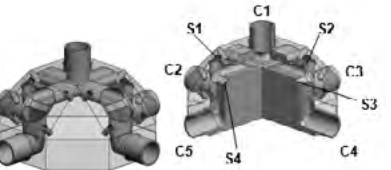
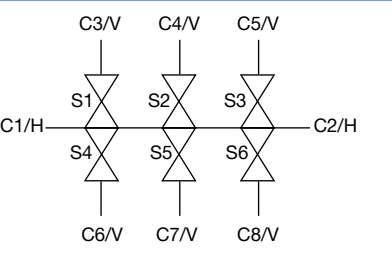
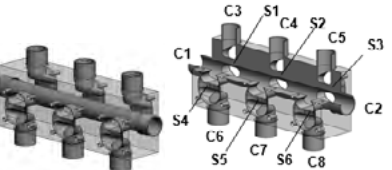
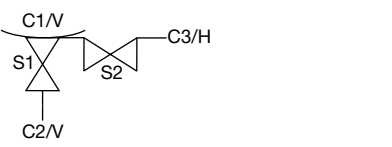
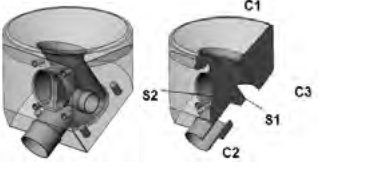
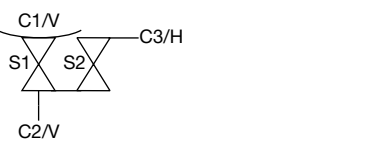
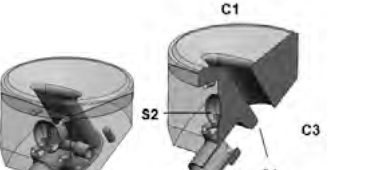
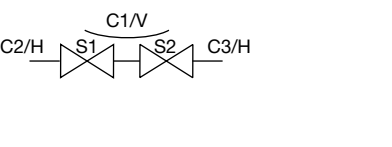
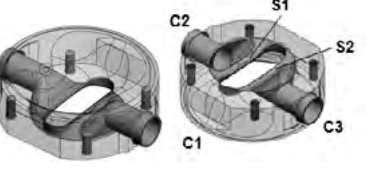
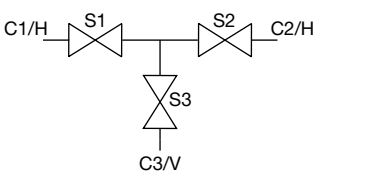
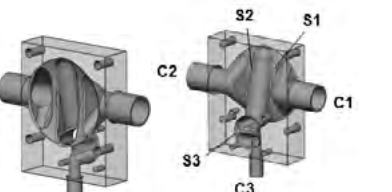
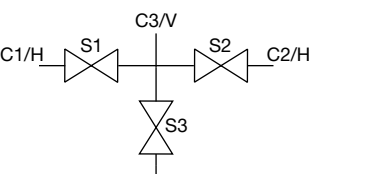
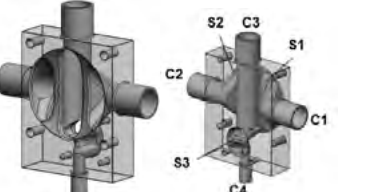
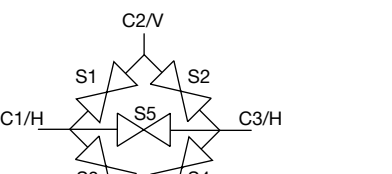
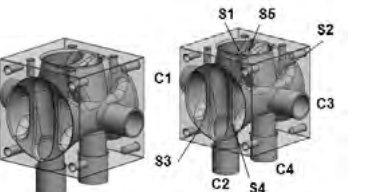
### 4.1. Configurations

The following examples give an insight into our configuration programme. Further configurations can be taken from the block brochure. Customised block solutions can be implemented.

GMPA	0113	0116
SAP1	0201	0203
0301	0336	0340

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<p><b>0423</b></p>  	<p><b>0416</b></p>  	<p><b>0602</b></p>  
<p><b>0229</b></p>  	<p><b>0206</b></p>  	<p><b>MW56</b></p>  
<p><b>K301</b></p>  	<p><b>K302</b></p>  	<p><b>K501</b></p>  

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## 5. Performance specifications

### 5.1. Medium pressure

#### Specification for control function A

**Note:**

- For low operating pressures, optional versions with reduced spring force (EC04) are recommended.
- Pressure data [bar]: Overpressure to atmospheric pressure. Valve closes dynamically against max. operating pressure.
- Information for control function B and I on request.

#### Pneumatic actuator

Nominal diameter		Diaphragm size DN	Actuator size Ø [mm]	Pilot pressure [bar]	Max. operating pressure for seal material	
[mm]	[inch]				EPDM [bar]	PTFE/EPDM and advanced PTFE/EPDM GYLON®/EPDM laminated [bar]
<b>ELEMENT actuator</b>						
8	¼"	8	50 (D)	5.0...10	10	10
15	½"	15	50 (D)	5.0...10	7.5	–
			70 (M)	5.0...10	10	10
20	¾"	20	70 (M)	5.0...10	10	10
25	1"	25	70 (M)	5.0...10	6.5	4.5
			90 (N)	5.0...10	10	8
32	1¼"	32	90 (N)	5.0...10	8	6
40	1½"	40	90 (N)	5.5...10	5.5	5 <sup>1.)</sup>
			130 (P)	5.0...7	10	10
50	2"	50	130 (P)	5.0...7	8	7
65	2½"	65	130 (P)	5.0...7	5.5	3.5
<b>CLASSIC actuator</b>						
8	¼"	8	40 (C)	5.0...7	10	10
15	½"	15	50 (D)	5.0...7	8.5	5
			63 (E)	5.0...7	10	10
20	¾"	20	63 (E)	5.5...7	10	5
			80 (F)	5.0...7	10	10
25	1"	25	80 (F)	5.5...7	10	7.5
40	1¼"	40	100 (G)	5.5...7	6.5	6 <sup>2.)</sup>
			125 (H)	5.5...7	10	10
50	2"	50	125 (H)	5.5...7	8	7
65	2½"	65	175 (K)	5.0...6	8	5
80	3"	80	175 (K)	5.0...6	5	4.5
			225 (L)	5.0...6	10	7 <sup>3.)</sup>
100	4"	100	225 (L)	5.0...6	8	4
<b>Stainless steel/INOX actuator</b>						
8	¼"	8	32 (B)	5.5...10.5	10	6
15	½"	15	50 (D)	5.0...10.5	8.5	5
			70 (M)	5.0...10.5	10	10
20	¾"	20	70 (M)	5.0...10.5	10	10
25	1"	25	70 (M)	5.0...10.5	6.5	4.5
			90 (N)	5.0...10.5	10	8
32	1¼"	32	90 (N)	5.0...10.5	8	6
40	1½"	40	90 (N)	5.5...10.5	5.5	5 <sup>1.)</sup>
			130 (P)	5.0...7.5	10	10
50	2"	50	130 (P)	5.0...7.5	8	7

1.) Version with GYLON®/EPDM not possible

2.) Max. operating pressure for GYLON®/EPDM laminated is 4 bar

3.) Max. operating pressure for GYLON®/EPDM laminated is 8.5 bar

Robolux actuator

Actuator size Ø [mm]	Actuator version	Pilot pressure [bar]	Max. operating pressure for seal material		
			EPDM [bar]	Advanced PTFE laminated [bar]	Gylon® laminated [bar]
RV50	D11	6...10	7.5	7.5	5.5
	D55 (reduced spring force)	4...10	5.0	3.5	On request
RV70	D11, D1x, Dx1	6...10	8.0	8.0	5.5
	D55 (reduced spring force)	4...10	5.5	6.0	4.5
RV110	D11, D1x, Dx1	6...7	7.0	7.5	6.0
	D55 (reduced spring force)	4...7	5.0	5.0	4.0

Manual actuator

Diaphragm size DN	Actuator material	Max. operating pressure for seal material
		EPDM, PTFE/EPDM, advanced PTFE/EPDM, GYLON®/EPDM laminated Max. [bar]
8...80	VA/VA	10
100	VA/VA	6
8...50	VA/PPS	10
8...40	PPS/PPS	10
50	PPS/PPS	7

## 6. Ordering information

### 6.1. Bürkert eShop – Easy ordering and quick delivery



#### Bürkert eShop – Easy ordering and fast delivery

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

[Order online now](#)

### 6.2. Bürkert product filter



#### Bürkert product filter – Get quickly to the right product

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

[Try out our product filter](#)

### 6.3. Bürkert product enquiry form

**Bürkert product enquiry form:** Would you like to make a specific product enquiry based on your technical requirements? Please use our product enquiry form **at the end of this data sheet**. There you will find all the information relevant to your Bürkert contact person that will help us to process your enquiry in the best possible way.

**Bürkert specification key:** In our product enquiry form you will find a complete explanation of the composition of our specification key. You will find our product enquiry form **at the end of this data sheet**.

# Bürkert – Close to You

For up-to-date addresses  
please visit us at  
[www.burkert.com](http://www.burkert.com)

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## Product Enquiry Form - Formular Multifunction block Type 2034

Thank you for your interest in our products! In order to provide you with optimum advice, please fill out the following form and send it to your **Bürkert representative** or e-mail address: [info@buerkert.com](mailto:info@buerkert.com). All information submitted will of course be kept strictly confidential.

Please fill in the **required fields!**  \*

\*Note: The interactive functions of this PDF may be restricted depending on the PDF reader used.

Personal Information			
Company		Contact person	
Customer no.		Department	
Street		Postcode / Town	
Telephone no.		Email	

Entries for commercial and technical data can be found on the next page.

Example solutions:



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Commercial data			
Project name		Number of pieces	
Reference / Position / TAG:		Required delivery date	

P&ID	Legend
<p>Match the connection assignment and valve designation with the table below.</p> <p>Please sketch scheme</p>	<p>Diaphragm valve - seat                      Area with minimum volume                      Self-draining                      Flow direction of the medium                      C1, C2, ... Connections - system / block                      A1, A2, ... Actuators (valves on block)                      Optional indication of entries and exits (horizontal or vertical required)</p>

Operating data						
Process medium		Medium	Liquid	Steam	Gas	CIP SIP
Medium temperature	T <sub>med</sub>	Medium pressure	P <sub>med</sub> (absolute / relative)			
Ambient temperature	T <sub>med</sub>	Control pressure	min.		max.	




Valve data					
Surface quality	Standard: Non standard:	Ra 0.5 internal internal	Ra 0.38 e-pol internal external		
Body material	1.4535 / 316L others	1.4435 BN2 / ASME BPE	1.4539 / Uranus B6	Hastelloy C22	
Type of actuator	CLASSIC	ELEMENT	INOX	Robolux	others
Seal material	EPDM	PTFE	GYLON®	others	
Welded connection	EN ISO 1127 / DIN 11866 B		DIN 11850 / DIN 11866 A		ASME BPE DIN 11866 C
Clamp connection	DIN 32676 B (tube ISO4200)		DIN 32676 A (tube DIN11850)		ASME BPE

Connection and drive definition												
Port connection size		Connection type		Seat size		Actuator		Control function		Feedback head		Control head
C-No.	DN	Welded connection	Clamp connection	A-No.	DN	Pneumatic	Manual	Normally closed	Normally open	Position OPEN	Position CLOSED	+ Pilot valve
C1				A1								
C2				A2								
C3				A3								
C4				A4								
C5				A5								
C6				A6								
C7				A7								

Additional Requirements / Comment

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## Specification key - Examples

Diaphragm valve systems					
					
Description	Key feature	Key No.	System example 1	System example 2	System example 3
Type	TYP	1	2034	2034	2034
Design	BAUF	2	B	B	B
Number of valve positions	AVA	3	01	03	05
Number of connections	AA	4	03	04	06
Type of actuator	AR	5	K	E	I
Actuation	BET	6	M	R	P
Material	WKST	7	VH	VI	HA
Seal material	DWST	8	EU	AD	EA
Nominal size (largest)	DN	9	20.0	40.0	32.0
Port connection	LTA	10	SODJ	TG05	TG05
Block configuration	KON	11	0113	0336	CSBS
Orifice 1	DNN1	12	20.0	40.0	08.0
Actuator version valve position 1	AS01	13	D058	A	A
Actuator size valve position 1	AG01	14	HW	P	B
Orifice 2	DNN2	15	-	40.0	08.0
Actuator version valve position 2	AS02	16	-	A	A
Actuator size valve position 2	AG02	17	-	P	B
Orifice 3	DNN3	18	-	25.0	32.0
Actuator version valve position 3	AS03	19	-	A	A
Actuator size valve position 3	AG03	20	-	N	N
Orifice 4	DNN4	18	-	-	08.0
Actuator version valve position 4	AS04	19	-	-	A
Actuator size valve position 4	AG04	20	-	-	B
Orifice 5	DNN5	18	-	-	32.0
Actuator version valve position 5	AS05	19	-	-	A
Actuator size valve position 5	AG05	20	-	-	N
Port connection 1	LTA1	21	SODJ	SODH	TG02
Port connection 2	LTA2	22	SODJ	SODH	TG02
Port connection 3	LTA3	23	TG03	TG05	TG05
Port connection 4	LTA4	24	-	TG04	TG02
Port connection 5	LTA5	25	-	-	TG05
Port connection 6	LTA6	26	-	-	TG05
Mechanical accessories 1	ZM01	27	B	-	-
Mechanical accessories 2	ZM01	28	-	-	-
Mechanical accessories 3	ZM01	29	-	-	-
Mechanical accessories 4	ZM01	30	-	-	-
Mechanical accessories 5	ZM01	31	-	-	-
Electrical accessories 1	ZE01	32	-	N	-
Electrical accessories 2	ZE02	33	-	N	-
Electrical accessories 3	ZE03	34	-	N	-
Electrical accessories 4	ZE04	35	-	-	-
Electrical accessories 5	ZE05	36	-	-	-
Variable 1	VAR1	37	NK52	NK52	NK52
Variable 2	VAR2	38	NO17	NO14	NO17
Variable 3	VAR3	39	-	NO19	NO15
Variable 4	VAR4	40	-	-	PX50

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## Key Legend

**Note:**

Other versions on request

<b>Key no. 2: Design (BAUF)</b>		<b>Key no. 11: Block configuration (KONF)</b>					
B	Block material	For examples, see data sheet Type 2034 block chapter "Device/process connections", overview of further configurations in the block brochure					
T	Tandem housing welded <sup>1.)</sup>						
W	Other welding solutions						
1.) For details on tandem configurations, see data sheet 2034-T.		<b>Actuator version (AS01, AS02, AS##, ...)</b>					
<b>Key no. 5: Type of actuator (AR)</b>		A	Closed with spring force				
E	ELEMENT actuator	B	Opened with spring force				
I	Stainless steel actuator(s)	D050	Handwheel and attachment PPS				
K	CLASSIC actuator	D051	Handwheel PPS and attachment VA				
R	Robolux actuator	D052	Handwheel and attachment VA				
T	Actuator combination of Robolux and stainless steel actuator(s)	D058	Handwheel PPS and attachment VA with through hole for bolt				
U	Combination of actuators of various Types	D059	Handwheel VA and attachment VA with through hole for bolt				
V	Combination of CLASSIC and stainless steel actuator(s)	D11	Double actuator, bar 1 and bar 2 closed by spring				
W	Combination of ELEMENT and stainless steel actuator(s)	D22	Double actuator, bar 1 and bar 2 opened by spring				
X	Combination of ELEMENT and Robolux actuators	D44	Double actuator, Bar 1 and bar 2 manually operated				
Y	Combination of ELEMENT and Robolux actuators	I	Without pressure spring				
Z	Combination of ELEMENT and CLASSIC actuators	<b>Actuator size (AG01, AG02, AG##, ...)</b>					
<b>Key no. 6: Actuation (BET)</b>		B	ø 32	H	ø 125	11	Robolux RV110
M	Manual	C	ø 40	K	ø 175	50	Robolux RV50
P	Pneumatic	D	ø 50	L	ø 225	70	Robolux RV70
R	Pneumatic with control	E	ø 63	M	ø 70	HW	Handwheel
X	Combination of pneumatic and manual	F	ø 80	N	ø 90		
Y	Combination of pneumatic with control and manual	G	ø 100	P	ø 130		
<b>Key no. 7: Material (WKST)</b>		<b>Mechanical accessories (ZM01, ZM02, ZM##, ...)</b>					
VH	Stainless steel block material 1.4435/316L	A	Stroke limit max.				
VI	Stainless steel block material 1.4435 BN2/316L ASME BPE	B	Stroke limit min./max.				
VU	VA Uranus B6 or 1.4539	<b>Electrical accessories (ZE01, ZE02, ZE##, ...)</b>					
HA	HA Hastelloy C22 (2.4602)	N	Control and feedback head Type 8691 ø 70				
<b>Key no. 8: Sealing material (DWST)</b>		O	Control and feedback head Type 8695 ø 50				
AD	EPDM	P	Feedback head Robolux Type 8685				
EA	PTFE/EPDM	Q	Control head Robolux Type 8686				
EU	Advanced PTFE/EPDM laminated	<b>Variable code (VAR1, VAR2, VAR3)</b>					
ER	Gylon®/EPDM laminated	NK52	Acceptance test certificate 3.1 according to EN 10204				
<b>Key no. 10: Port connection (LTA1, LTA2, LTA##, ...)</b>		NO14	Mechanically polished Ra ≤ 0.5 µm (ASME BPE SF1)				
Listed in detail below		NO17	Electropolished Ra ≤ 0.38 µm (ASME BPE SF4 / DIN HE4)				

**Key no. 10: Port connection (LTA1, LTA2, LTA##, ...)**

Welded connection						
DN [mm]	EN ISO 1127 / ISO 4200 DIN 11866 R. B	DIN 11850 R. 2 DIN 11866 R. A	ASME BPE DIN 11866 R. C	DIN 32676 R. A (DIN tube (DIN11850))	DIN 32676 R. B (ISO tube (ISO4200))	ASME BPE
4	-	-	-	TD40-10.0x1.0 Cl: 25.0	TC40-13.5x1.6 Cl: 25.0	TG 50-6.35x0.89 Cl: 25.0
6	SA78-10.2x1.6	-	SA89-3.17x0.56	TD41-13.0x1.5 Cl: 34.0	TC53-17.2x1.6 Cl: 25.0	TG 01-9.53x0.89 Cl: 25.0
8	SA40-13.5x1.6	-	SA90-6.35x0.89	TD42-19.,0x1.5 Cl: 34.0	TC52-21.3x1.6 Cl: 50.5	TG 02-12.7x1.65 Cl: 25.0
10	SA41-17.2x1.6	SD40-13.0x1.5	SA91-9.53x0.89	TD43-23.0x1.5 Cl: 34.0	TC43-26.9x1.6 Cl: 50.5	TG 03-19.05x1.65 Cl: 25.0
15	SA42-21.3x1.6	SD42-19.0x1.5	SA92-12.7x1.65	TD44-29.0x1.5 Cl: 50.5	TC44-33.7x2.0 Cl: 50.5	TG 04-25.4x1.65 Cl: 50.5
20	SA43-26.9x1.6	SD43-23.0x1.5	SA93-19.05x1.65	-	-	-
25	SA44-33.7x2.0	SD44-29.0x1.5	SODF-25.4x1.65	TD46-41.0x1.5 Cl: 50.5	TC46-48.3x2.0 Cl: 64.0	TG 05-38.1x1.65 Cl: 50.5
32	SA45-42.4x2.0	SD45-35.0x1.5	-	TD47-53.0x1.5 Cl: 64.0	TC47-60.3x2.0 Cl: 77.5	TG 06-50.8x1.65 Cl: 64.0
40	SA46-48.3x2.0	SD46-41.0x1.5	SODH-38.1x1.65	-	TC48-76.1x2.0 Cl: 91.0	TG 07-63.5x1.65 Cl: 77.5
50	SA47-60.3x2.0	SD47-53.0x1.5	SODI-50.8x1.65	-	TC49-88.9x2.3 Cl: 106.0	TG 08-76.2x,65 Cl: 91.0
65	SA48-76.1x2.0	SD48-70.0x2.0	SODJ-63.5x1.65	-	TC50-114.3x2.3 Cl: 130.0	TG 09-101.6x2.11 Cl: 119.0
80	SA49-88.9x2.3	SD49-85.0x2.0	SODK-76.2x1.65	-	-	-
100	SA39-114.3x2.3	SD50-104.0x2.0	SODL-101.6x2.11	-	-	-