

DATA SHEET

Type 2064

Pneumatically actuated diaphragm valve with INOX actuator



T-diaphragm valve with pneumatic actuator in stainless steel (Type INOX)

- Valve body and diaphragm are available in various materials and variants
- Product wetted surfaces in $Ra \leq 0.38 \mu\text{m} \dots 1.6 \mu\text{m}$ (optionally electropolished)
- Available in all common connection sizes and variants



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

Can be combined with

	Type 2034 ▶ Multifunction block and weld solution
	Type 3233 ▶ 2/2-way diaphragm valve with manually operated actuator
	Type 2036 ▶ Robolux multiway multiport diaphragm valve, pneumatically operated
	Type 8652 ▶ AirLINE - the valve island optimised for process automation
	Type 8697 ▶ Pneumatic control for decentralised automation of ELEMENT process valves

Type description

The externally controlled diaphragm valve Type 2064 consists of a pneumatically operated stainless steel piston actuator, a diaphragm and a T-valve body. The proven and robust actuator with stainless steel housing ensures use in hygienic or aggressive ambient conditions. The flow-efficient valve bodies with little dead space enable high flow rates and a wide range of possible uses. The valve body and the diaphragm are available in all common materials and variants. The actuator has a compact, autoclavable design with a large stainless steel housing, high temperature resistance and gap-free seals.

The integration of the automation units 8697 is possible in all configuration levels (can be retrofitted). The actuator is equipped with an integrated, optical position indicator as standard.

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1. General technical data

Product properties	
Dimensions	Detailed information can be found in chapter "4. Dimensions" on page 6.
Material	
Block body (VH) ^{1.)}	Stainless steel 1.4435/316 L
Block body (VI) ^{1.)}	Stainless steel 1.4435/BN2/ASME BPE; Fe <0.5 %/C ≤0.03 %
Diaphragm	EPDM (AD) ^{1.)} , PTFE/EPDM (EA) ^{1.)} , advanced PTFE/EPDM (EU) ^{1.)} , GYLON®/EPDM laminated (ER) ^{1.)}
Actuator cover	1.4404
Diaphragm socket	1.4308
Diaphragm size	8...50
Standard surface quality	
Block body (VH/VI) ^{1.)}	Internal electrically polished : Ra ≤0.38 µm (NO17) ^{1.)} (ASME BPE SF4/DIN HE4) (external Ra ≤1.6 µm) Internal mechanically polished : Ra ≤0.5 µm (NO14) ^{1.)} (ASME BPE SF1) (external Ra ≤1.6 µm)
Performance data	
Pilot pressure (max.)	10.5 bar 7.5 bar for actuator size 130 ^{1.)} See "5.1. Medium pressure" on page 13
Pilot air port	Thread G 1/8
Medium data	
Process medium	Neutral gases and fluids, highly purified, sterile, aggressive or abrasive medium (see resistance chart ▶)
Mediums temperature	
EPDM (AD) ^{1.)}	-10...+143 °C (steam sterilisation + 150 °C for 60 min)
PTFE/EPDM (EA) ^{1.)}	-10...+130 °C (steam sterilisation + 140 °C for 60 min)
PTFE/EPDM (EU) ^{1.)}	-5...+143 °C (steam sterilisation + 150 °C for 60 min)
GYLON®/EPDM laminated (ER) ^{1.)}	-5...+130 °C (steam sterilisation + 140 °C for 60 min)
Control medium	Neutral gases/air
Process/Port connection & communication	
Nominal diameter	DN 8...DN 100
Port connection^{2.)}	
Welded connection ^{2.)}	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 ^{2.)}	DIN 32676 series A (DIN pipe) DIN 32676 series B (ISO pipe) ASME BPE
Environment and installation	
Installation position	See operating manual ▶
Ambient temperature	0 °C...+60 °C, autoclavable (acc. to technical clarification)




1.) This information is part of the product key (see "8.3. Bürkert Product Enquiry Form" on page 15)

2.) Further versions on request

2. Approvals

Note:

If you need one of these certificates, please contact your Bürkert partner.

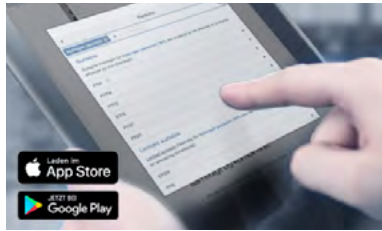
Approvals/ Conformity/ Certificate ^{1.)}	Description
	ATEX/IECEX^{2.)} EPS 18 ATEX 2 008 X II 2G Ex h IIC T4 Gb/II 2D Ex h IIIC T135 °C Db IECEX EPS 18.0007X Ex h IIC T4 Gb/Ex h IIIC T135 °C Db
	The diaphragms made of EPDM (AD), PTFE/EPDM (EA), advanced PTFE/EPDM (EU) and GYLON®/EPDM laminated (ER) are suitable for use with food and beverages (acc. to EC Regulation 1935/2004/EC).
	Diaphragms made of EPDM (AD), PTFE/EPDM (EA), advanced PTFE/EPDM (EU) and GYLON®/EPDM laminated (ER) are acc. to USP Class VI tested.
FDA	Diaphragms made of EPDM (AD), PTFE/EPDM (EA), advanced PTFE/EPDM (EU) and GYLON®/EPDM laminated (ER) comply with the Code of Federal Regulations published by the FDA (Food and Drug Administration, USA).

1.) Further approvals/conformity clarification on request

2.) Only in combination with variable code «PX51" (see "8.3. Bürkert Product Enquiry Form" on page 15)

3. Materials

3.1. Bürkert resistApp



Bürkert resistApp – Chemical resistance chart

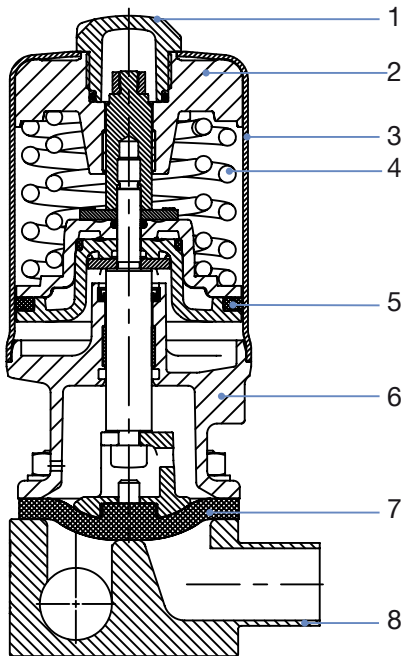
You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

[Start chemical resistance check](#)

3.2. Material specifications

Note:

Exemplary representation may differ from the actual product.



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 socket)	Stainless steel 1.4308
7	Diaphragm	EPDM (AD), PTFE/EPDM (EA), advanced PTFE/EPDM (EU), Gylon®/EPDM laminated (ER)
8	Valve body	See "1. General technical data" on page 3

3.3. Example of available membrane materials

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



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

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

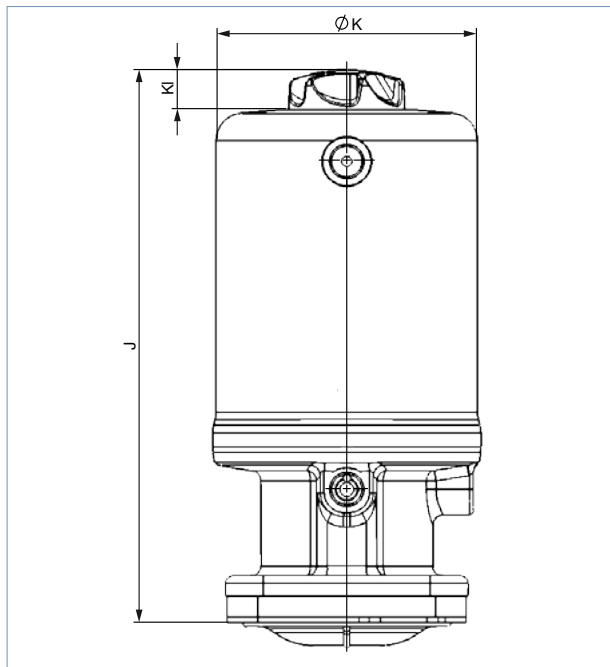
4. Dimensions

4.1. Actuator

INOX actuator

Note:

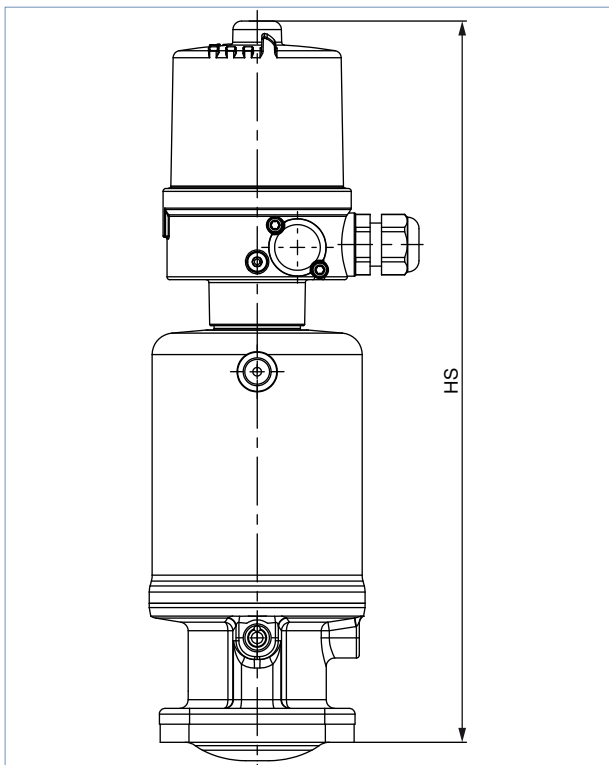
Dimensions in mm, unless otherwise stated



Diaphragm size	Actuator size	J	$\varnothing K$	KI
15	50(D)	130	55	11
	70(M)	139	75	11
20	70(M)	148	75	11
25	70(M)	155	75	11
	90(N)	182	96	14
40	90(N)	192	96	14
	130(P)	244	137	14
50	130(P)	250	137	14

INOX actuator with control Type 8697

Note:
Dimensions in mm, unless otherwise stated

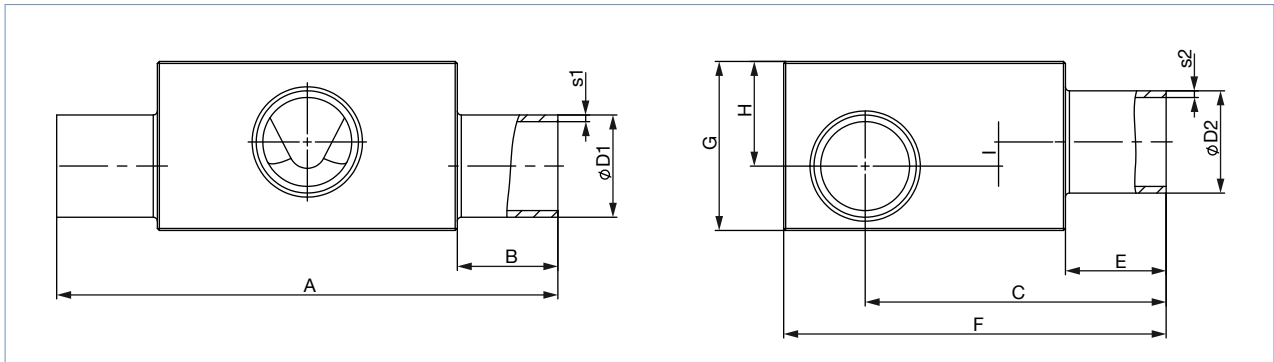


Diaphragm size	Actuator size	HS
15	50(D)	236.9
	70(M)	245.9
20	70(M)	254.9
25	70(M)	261.9
	90(N)	288.9
40	90(N)	298.9
	130(P)	350.9
50	130(P)	356.9

4.2. T-Body with welded connection

Note:

Dimensions in mm, unless otherwise stated



Dia-phragm size	Port 1 - Port 2 DN	ØD1	s1	ØD2	s2	A	B	C	E	F	G	H	I	Product key ¹⁾
DIN EN ISO 1127/ISO 4200/DIN 11866 series B														
8	8...8	13.5	1.6	13.5	1.6	93.0	20	52.05	20	70	27	17	4.5	SA40-SA40
	10...8	17.2		13.5		93.0		53.9		70	31	18	4.5	SA41-SA40
	10...10	17.2		17.2		93.0		54.9		70	28	16	2.5	SA41-SA41
	15...8	21.3		13.5		93.0		57		71	34.5	21	7.5	SA42-SA40
	15...15	21.3		21.3		93.0		56		71	35	21	6.5	SA42-SA41
	20...8	26.9		13.5		103.0		59.8		76	41	25	11.5	SA43-SA40
	20...10	26.9		17.2		103.0	59.8	78	42	25	11.5	SA43-SA41		
	20...15	26.9		21.3		103.0	59.8	78	42	25	11.5	SA44-SA40		
	25...10	33.7		2.0		17.2	103.0	63	83	48	28	14.5	SA44-SA41	
	25...15	33.7				21.3	103.0	62.8	83	47	28	14.5	SA45-SA40	
	32...8	42.4				13.5	103.0	67.1	91	56	32	18.5	SA45-SA41	
	32...10	42.4				17.2	103.0	67.1	91	56	32	18.5	SA46-SA40	
	32...15	42.4	21.3		103.0	67.1	91	56	32	18.5	SA46-SA41			
	40...8	48.3	13.5		103.0	70.1	97	63	35	21.5	SA47-SA40			
	40...10	48.3	17.2		103.0	70.1	97	63	35	21.5	SA47-SA41			
	40...15	48.3	21.3		103.0	70.1	97	63	35	21.5	SA48-SA40			
	50...8	60.3	13.5		113.0	76.1	109	72	38	24.5	SA49-SA40			
	50...10	60.3	17.2		113.0	76.1	109	72	38	24.5	SA49-SA41			
	50...15	60.3	21.3		113.0	76.1	109	72	38	24.5	SA40-SA40			
	65...8	76.1	13.5		113.0	84	125	85	44	30.5	SA41-SA40			
	65...15	76.1	21.3	113.0	84	125	85	44	30.5	SA41-SA41				
	80...8	88.9	2.3	13.5	113.0	90.1	140	99	52	38.5	SA42-SA40			
	80...10	88.9		17.2	113.0	90.1	137	94	47	33.5	SA42-SA42			
	80...15	88.9		21.3	113.0	90.1	137	94	47	33.5	SA43-SA40			
100...15	114.3	21.3		113.0	102.8	163	120	60	46.5	SA43-SA41				

DTS 1000450610 EN Version: D Status: RL (released | freigegeben | valide) printed: 30.08.2023

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

Dia-phragm size	Port 1 - Port 2 DN	ØD1	s1	ØD2	s2	A	B	C	E	F	G	H	I	Product key ¹⁾
DIN 11850 series 2/DIN 11866 series A/DIN EN 10357 series A														
8	10...10	13.0	1.5	13.0	1.5	78.0	20	47.0	20	60	24	15	5.0	SD40-SD40
	20...10	23.0		13.0		88.0	25	52.0		66	36	22	12.0	SD43-SD40
15	15...15	19.0	1.5	19.0	1.5	93.0	20	55.9	20	70	33	20	6.5	SD42-SD42
	20...15	23.0		19.0		103.0		57.9		72	37	22.5	9	SD43-SD42
	25...15	29.0		19.0		103.0	25	60.9		78	43	26	12.5	SD44-SD42
	32...15	35.0		19.0		103.0		63.9		84	49	29	15.5	SD45-SD42
	40...15	41.0		19.0		103.0		66.9		91	56	31	17.5	SD46-SD42
	50...15	53.0		19.0		113.0	30	72.9		102	65	36	22.5	SD47-SD42
20	20...20	23.0	1.5	23.0	1.5	114.0	25	68.7	25	85	36	21	-	SD43-SD43
	32...20	35.0		23.0		114.0		74.4		95	50	29	11.0	SD45-SD43
	40...20	41.0		23.0		114.0		77.4		101	56	32	14.0	SD46-SD43
25	25...25	29.0	1.5	29.0	1.5	124.5	25	76.7	25	98	48	30	10.0	SD44-SD44
	40...25	41.0		29.0		124.5		82.7		106	61	38	18.0	SD46-SD44
	50...25	53.0		29.0		134.5	30	88.7		120	73	44	24.0	SD47-SD44
40	32...32	35.0	1.5	35.0	1.5	152.0	25	95	25	119	52	32	9	SD45-SD45
	40...40	41.0		41.0		152.0		97.3		121	62	37	8.4	SD46-SD46
	50...40	53.0		41.0		162.0	30	102.8		133	75	45	16.4	SD47-SD46
50	50...50	53.0	1.5	53.0	1.5	188.0	30	117.0	30	147	74	44	8.5	SD47-SD47
ASME BPE/DIN 11866 series C														
8	20...8	19.05	1.65	6.35	0.89	88.0	25	49.90	20	61	32	20	10.0	SA93-SA90
	25...10	25.40		9.53		88.0	25	53.00		68	38	23	13.0	SODF-SA91
	40...8	38.10		6.35		88.0	25	59.40		80	49	28	18.0	SODH-SA90
	50...8	50.80		6.35		98.0	30	65.80		93	59	32	22.0	SODI-SA90
	65...8	63.50		6.35		98.0		72.10		106	70	36	26.0	SODJ-SA90
15	15...15	12.70	1.65	12.70	1.65	93.0	20	53.20	20	70	27	13.5	-	SA92-SA92
	20...15	19.05		12.70		103.0		55.80		70	31	18.5	5.0	SA93-SA92
	25...15	25.40		12.70		103.0		59.00		75	40	24	10.5	SODF-SA92
	40...15	38.10		12.70		103.0	25	65.30		88	54	31	17.5	SODH-SA92
	50...15	50.80		12.70		113.0	30	71.70		100	64	35	21.5	SODI-SA92
	65...15	63.50		12.70		113.0		78.00		113	73	38	24.5	SODJ-SA92
	80...15	76.20		12.70		113.0		84.40		125	84	43	29.5	SODK-SA92
	20	20...20		19.05		1.65	19.05	1.65		114	25	66.30	25	85
25...20	25.40	19.05	114		69.20		88		40	24	6.0	SODF-SA93		
40...20	38.10	19.05	114		75.80		98		53	31	13.0	SODH-SA93		
50...20	50.80	19.05	124	30	82.20		111		66	37	19.0	SODI-SA93		
65...20	63.50	19.05	124		88.50		123		75	40	22.0	SODJ-SA93		
80...20	76.20	19.05	124		94.90		136		85	44	26.0	SODK-SA93		
100...20	101.60	2.11	19.05		107.10		161		108	54	36.0	SODL-SA93		
25	25...25	25.40	1.65	25.40	1.65		124.5		25	74.8	25	95		42
	40...25	38.10		25.40		124.5		81.1	103	58		36	16.0	SODH-SODF
	50...25	50.80		25.40		134.5	30	87.5	120	75		44	24.0	SODI-SODF
	65...25	63.50		25.40		134.5		93.8	129	82		47	27.0	SODJ-SODF
	80...25	76.20		25.40		134.5		100.15	142	94		52	32.0	SODK-SODF
40	40...40	38.10	1.65	38.10	1.65	152.0	25	99.60	25	121	58	35	6.4	SODH-SODH
	50...40	50.80		38.10		162.0	30	101.6		131	72	43	14.4	SODI-SODH
	65...40	63.50		38.10		162.0		107.90		143	85	50	21.4	SODJ-SODH
	80...40	76.20		38.10		162.0		114.3		156	98	56	27.4	SODK-SODH
50	50...50	50.80	1.65	50.80	1.65	188.0	30	115.8	30	145	71	42	6.5	SODI-SODI
	65...50	63.50		50.80		188.0		122.10		157	85	50	14.5	SODJ-SODI
	65...65	63.50		63.50		188.0		122.10		158	86	50	14.5	SODJ-SODJ
	80...50	76.20		50.80		188.0		128.5		169	98	56	20.5	SODK-SODI
	100...65	101.60		2.11		63.50		188.0			140.7		195	120

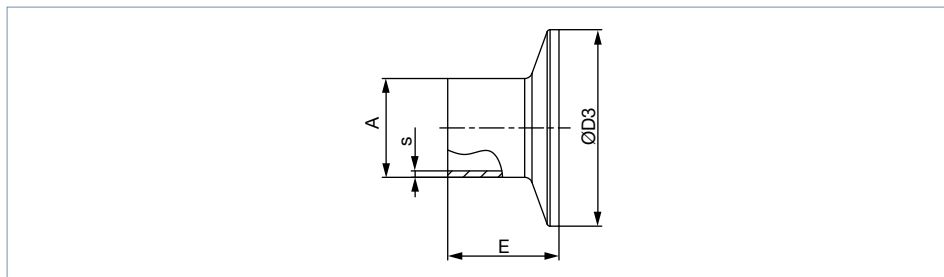
Dia- phragm size	Port 1 - Port 2 DN	ØD1	s1	ØD2	s2	A	B	C	E	F	G	H	I	Product key ^{1.)}			
SMS 3008																	
25	25...25	25.0	1.2	25.0	1.2	124.5	25	75.0	25	95	43	27	7.0	SA60-SA60			
	40...25	38.0		25.0		124.5		81.5		103				58	36	16.0	SA62-SA60
	50...25	51.0	25.0	134.5	30	88.0	118	72	42	22.0	SA63-SA60						
40	40...40	38.0	1.2	38.0	1.2	152.0	25	95.6	25	121	58	35	6.4	SA62-SA62			
	50...40	51.0		38.0		162.0		30		102.1				131	73	44	15.4
50	50...50	51.0	1.2	51.0	1.2	188.0	30	120.2	30	154	82	48	2.5	SA63-SA63			
DIN 11850 series 0																	
8	04...04	6.0	1.0	6.0	1.0	78.0	20	44.0	20	60	15	6.5	0.0	SC40-SC40			
	06...06	8.0		8.0		75.0		17.5		46.5				60	13	7	0.0
	40...04	40.0	1.5	6.0	1.5	88.0	25	60.5	25	83	51	29	19.0	SC47-SC40			
	40...8	40.0		10.0		88.0		60.5		83				51	29	19.0	SC47-SC42
	50...04	52.0		6.0		98.0		30		66.5				95	60	32	22.0
15	50...15	52.0	1.5	18.0	1.5	113.0	30	72.4	20	101	65	36	22.5	SC48-SC43			
25	25...25	28.0	1.5	28.0	1.5	124.5	25	76.2	25	95	46	29	9.0	SC45-SC45			
	50...25	52.0		28.0		134.5		30		91.2				120	71	42	22.0
40	25...32	28.0	1.5	34.0	1.5	152.0	25	90.3	25	122	58	32	3.4	SC45-SC46			
	50...32	52.0		34.0		162.0		30		102.3				132	75	45	16.4
50	50...50	52.0	1.5	52.0	1.5	188.0	30	116.5	30	147	73	43	7.5	SC48-SC48			

1.) This information is part of the product key (see "8.3. Bürkert Product Enquiry Form" on page 15)

4.3. T-Body with Clamp-connection

Note:

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



Port connection		A	s	D3	E	Product key ^{1.)}
[mm]	[inch]					
DIN 32676 series A (DIN pipe)						
10	–	13	1.5	34.0	18	TD41
15	–	19	1.5	34.0	18	TD42
20	–	23	1.5	34.0	18	TD43
25	–	29	1.5	50.5	21.5	TD44
32	–	35	1.5	50.5	21.5	TD45
40	–	41	1.5	50.5	21.5	TD46
50	–	53	1.5	64.0	21.5	TD47
DIN 32676 series B (ISO pipe)						
8	–	13.5	1.6	25.0	28.6	TC40
8	–	13.5	1.6	34.0 ^{2.)}	28.6	TC51 ^{2.)}
10	–	17.2	1.6	34.0 ^{2.)}	28.6	TC41 ^{2.)}
15	–	21.3	1.6	34.0 ^{2.)}	28.6	TC42 ^{2.)}
15	–	21.3	1.6	50.5	28.6	TC52
20	–	26.9	1.6	50.5	28.6	TC43
25	–	33.7	2	50.5	28.6	TC44
32	–	42.4	2	50.5 ^{2.)}	28.6	TC45 ^{2.)}
40	–	48.3	2	64.0	28.6	TC46
50	–	60.3	2	77.5	28.6	TC47
ASME BPE						
8	¼"	6.35	0.89	25.0	28.6	TG50
10	⅜"	9.53	0.89	25.0	28.6	TG01
15	½"	12.7	1.65	25.0	28.6	TG02
20	¾"	19.05	1.65	25.0	28.6	TG03
25	1"	25.4	1.65	50.5	28.6	TG04
40	1½"	38.1	1.65	50.5	28.6	TG05
50	2"	50.8	1.65	64.0	28.6	TG06

1.) This information is part of the product key (see "8.3. Bürkert Product Enquiry Form" on page 15)

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

5. Performance specifications

5.1. Medium pressure

Information for control function A

Note:

- For low operating pressures, optional versions with reduced spring force 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.


Diaphragm size	Actuator size Ø	Pilot pressure	Max. operating pressure for seal material	
			EPDM, FKM	PTFE/EPDM, advanced PTFE/EPDM, GYLON®/EPDM laminated
DN	[mm]	[bar]	[bar]	[bar]
15	50(D)	5.0...10.5	8.5	5
	70(M)		10	10
20	70(M)	5.0...10.5	10	10
25	70(M)	5.0...10.5	6.5	4.5
	90(N)		10	8
32	90(N)	5...10.5	8	6
40	90(N) ^{1.)}	5.5...10	5.5	5
	130(P)		10	10
50	130(P)	5.0...7.5	8	7

1.) Gylon version is not available

6. Product accessories

Note:

Further position feedbacks can be found on our [website](#) ▶.

Electrical position feedback	
Type 8697 ▶ Actuator size Ø 50...130 mm	Description
	<p>The position feedback Type 8697 is designed for integrated mounting on process valves of the CLASSIC series and especially for the requirements of hygienic process environments. Mechanical or inductive limit switches detect the valve position.</p> <p>Features</p> <ul style="list-style-type: none"> • Compact design • LED position indicator • Mechanical or inductive limit switches for end position registering • Easy to clean chemically resistant housing featuring IP65/IP67, 4X Rating • Optional intrinsically safe version acc. to ATEX/IECEX <p>Customer benefits</p> <ul style="list-style-type: none"> • Easy and quick installation • High level of signal reliability thanks to self adjusting limit switches • Minimised space requirement in the plant piping for more flexibility in plant design

7. Networking and combination with other Bürkert products

The On/Off valve system with stainless steel actuator, Type 8801-TV, consists of a diaphragm valve, Type 2064, and an electrical position feedback, Type 8697.

Note:

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

Example:



8. Ordering information

8.1. Bürkert eShop



Bürkert eShop – Easy ordering and quick delivery

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

[Order online now](#)

8.2. Bürkert product filter



Bürkert product filter – Get quickly to the right product

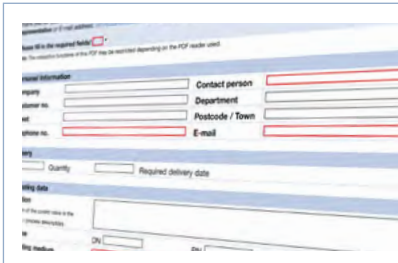
You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

[Try out our product filter](#)

8.3. Bürkert Product Enquiry Form

Note:

Please see our Product Enquiry Form for a full explanation of our specification key.



Bürkert Product Enquiry Form – Your enquiry quickly and compactly

Would you like to make a specific product enquiry based on your technical requirements? Use our Product Enquiry Form for this purpose. There you will find all the relevant information for your Bürkert contact. This will enable us to provide you with the best possible advice.

[Fill out the form now](#)

Bürkert – Close to You

For up-to-date addresses
please visit us at
www.burkert.com

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