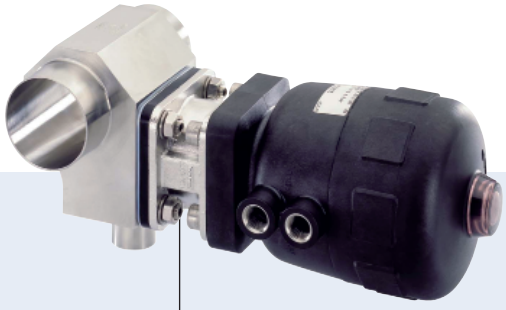
burkert
FLUID CONTROL SYSTEMS



Zero Deadleg T Valve, pneumatically operated, stainless steel block material

- Fully integrated in Burkert's Process Control Systems
- Zero dead volume
- Monoblock – no welds
- Quality certifications FDA

Type 2032 can be combined with...



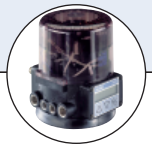
Type 8691
Control head



Type 8690
Pneum. control unit with feedback



Type 1062
Electrical position feedback



Type 8630
Positioner Top-Control continuous



Stroke limitation
Min./max. stroke limitation



Type 6012
Pilot valve

The Burkert Zero Deadleg T Valve system is designed for control of ultra pure, sterile, aggressive or abrasive fluids. Enables especially optimal sampling, draining or diverting of critical process fluids. The valve body is machined from a single piece of block material (monoblock – no weld seam).

The high quality diaphragms separate hermetically critical fluids from the actuator. The pneumatic actuator can be controlled by pneumatic pilot valves (single pilot valves, valve islands and control heads). Control function A, normally closed by spring return.

Technical data			
Orifice	DN 4-100		
Body materials	▪ Stainless steel 1.4435 / 316 L ▪ Stainless steel 1.4435BN2 / ASME BPE Fe < 0.5% / C ≤ 0.03%		
Diaphragm materials	EPDM, PTFE/EPDM, advanced PTFE/EPDM, FKM		
Actuator materials	PPS, PA		
Pilot air ports	Stainless steel 1.4305		
Surface finish	Ra [µm] internal	Ra [µInch] internal	Ra [Grit #] internal
mechanical polished	0.6	25	180
electro polished	0.6	25	180
mirror finished	0.25	10	330
Medium temperatures EPDM, PTFE/EPDM, advanced PTFE/EPDM[1)] FKM	 -10 to +130°C (briefly up to +150°C for steam sterilisation) -10 to+130°C		
Ambient temperature Actuator size < 100 mm Actuator size 100-125 mm Actuator size ≥ 175 mm	 +5° to +140°C +5° to +90°C (briefly up to +140°C) -10° to +50°C		
Control medium	Neutral gases; air		
Pilot pressure max.	max. 7 bar, see table on p. 2		
Port connections **Weld end** acc. to **Clamp** acc. to	 EN ISO 1127 / ISO 4200, DIN 11850 Series 0 to 3, SMS 3008, ASME BPE, BS 4825 ISO 2852, ASME BPE, DIN 32676		
Installation for selfdraining operation	Actuator inclined 3 to 5° downwards		

[1)] Advanced PTFE/EPDM is recommended for sterilization cycle

Content



Valve specifications		System spec. On/Off Classic		Request for quotation	
Type 2032		**Type 8801/8803-TA**		**Type 8801/8803-TA**	
Technical data & ordering info.	p. 1-8	Ordering info. & technical data	p.9-12		p. 13

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Technical data, continued

Orifice DN diaphragm [mm]	Actuator size Ø [mm]	Kv-value water [m³/h]	Pilot pressure [bar]	Max. operating pressure (medium) for seal material	
				EPDM, FKM [bar]	PTFE/EPDM, advanced PTFE/EPDM [bar]
4/6	40	1.0	5.0-7	10	10
8	40	1.0	5.0-7	10	10
15	50	4.0	5.0-7	8.5	5
	63	4.5	5.0-7	10	10
20	63	7.0	5.5-7	10	5
	80	7.5	5.0-7	10	10
25	63	12.0	5.0-7	3	–
	80	12.0	5.5-7	10	7.5
40	100	30.0	5.5-7	6.5	6
	125	30.5	5.5-7	10	10
50	100	51.5	5.5-7	4.5	2.5
	125	51.5	5.5-7	8	7
80	225	160.0	5.0-6	10	10
100	225	235	5.0-6	8	4

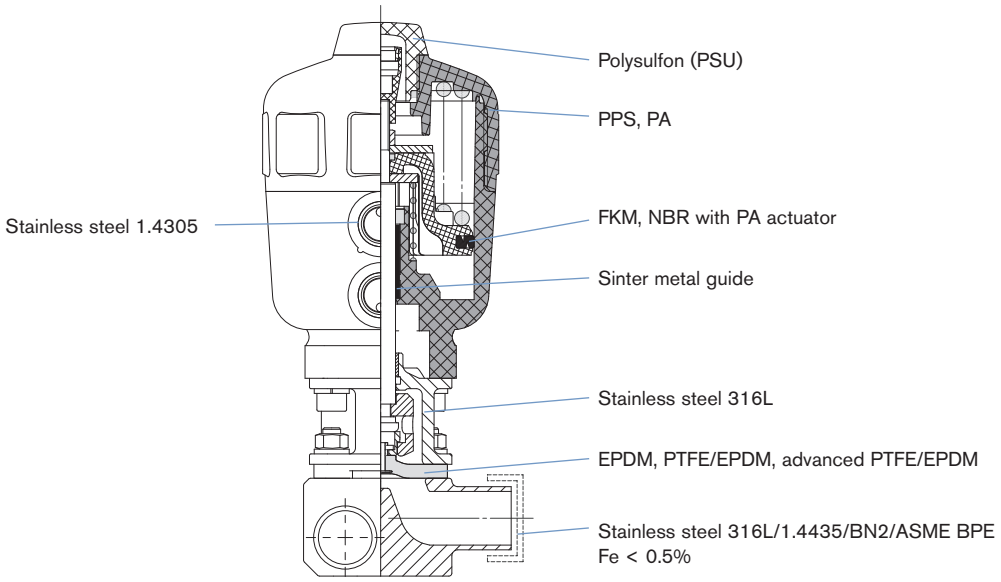
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Approvals/certifications

- 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
- 3A Certification on request
- Certification of Conformity for Pickling and Electropolishing Processes
- Certification of Conformity for the Surface Quality DIN4762-DIN4768-ISO/4287/1
- Attestation of compliance with 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

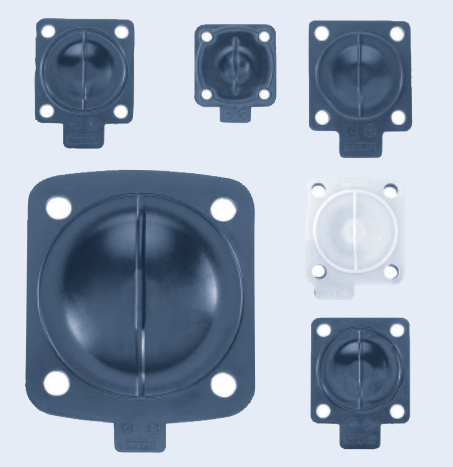
Note: Retrospective manufacturing certification for process diaphragm valves can not be made, therefore please notify when ordering.

Materials



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.

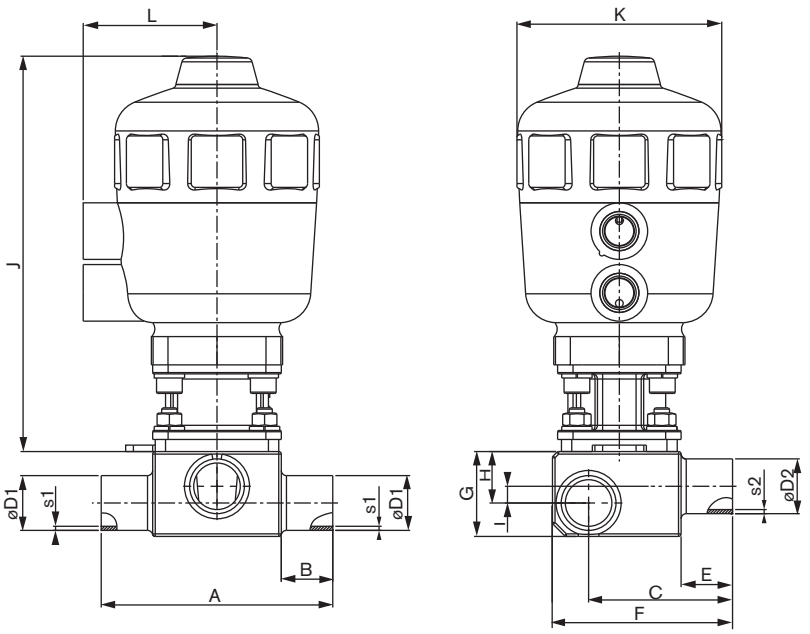


- EPDM (Ethylene Propylene Rubber)
- PTFE/EPDM
- advanced PTFE/EPDM
- FKM
- PTFE/FKM
- NBR

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Dimensions [mm]

Welded body acc. to EN ISO 1127/ISO 4200



For all actuators

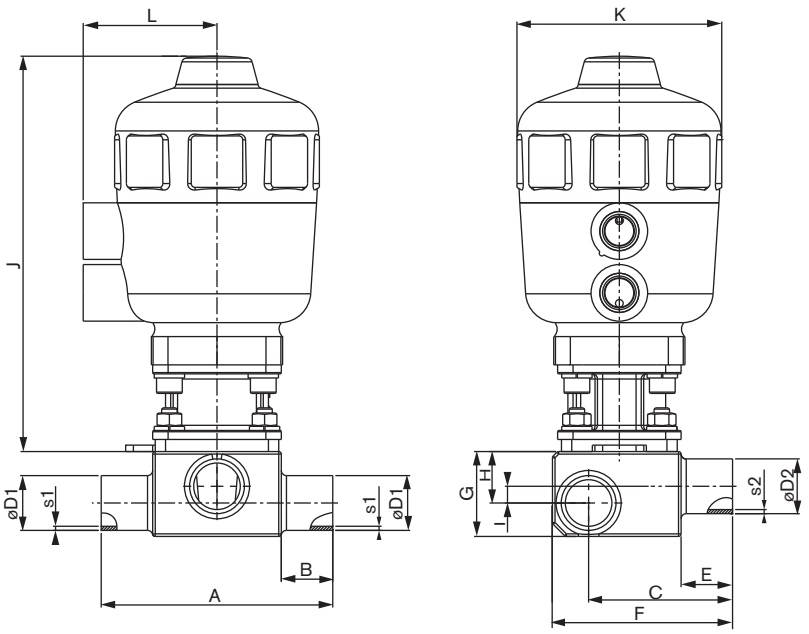
Orifice	Actuator size	J	K	L
8	40	95	53	34
15	50	139	64	39
	63	156	80	52
20	63	166	80	52
	80	187	101	60
25	63	171	80	52
	80	191	101	60
40	100	247	127	73
	125	284	158	86
50	100	256	127	73
	125	290	158	86

Orifice	Actuator size Ø	øD1	s1	øD2	s2	A	B	C	E	F	G	H	I
8	40	17.2	1.6	17.2	1.6	78.0	20	49.00	20	60	29	18	8.0
		21.3	1.6	17.2	1.6	78.0	20	51.05	20	64	34	21	11.0
		26.9	1.6	13.5	1.6	88.0	25	53.85	20	70	38	23	13.0
		33.7	2.0	13.5	1.6	88.0	25	56.85	20	76	45	26	16.0
		42.4	2.0	13.5	1.6	88.0	25	61.20	20	84	52	29	19.0
		42.4	2.0	17.2	1.6	88.0	25	61.20	20	84	52	29	19.0
		48.3	2.0	13.5	1.6	88.0	25	64.15	20	90	57	31	21.0
15	50 / 63	13.5	1.6	13.5	1.6	93.0	20	52.05	20	70	27	17	4.5
		17.2	1.6	13.5	1.6	93.0	20	53.90	20	70	31	18	4.5
		21.3	1.6	21.3	1.6	93.0	20	55.95	20	71	35	21	6.5
		26.9	1.6	21.3	1.6	103.0	25	58.75	20	78	42	25	11.5
		33.7	2.0	21.3	1.6	103.0	25	62.75	20	82	47	28	14.5
		42.4	2.0	21.3	1.6	103.0	25	67.10	20	91	56	32	18.5
		48.3	2.0	13.5	1.6	103.0	25	69.05	20	97	61	34	20.5
		48.3	2.0	21.3	1.6	103.0	25	69.05	20	97	63	35	21.5
		60.3	2.0	13.5	1.6	113.0	30	76.05	20	109	71	38	24.5
		60.3	2.0	21.3	1.6	113.0	30	76.05	20	109	72	38	24.5
		76.1	2.0	13.5	1.6	113.0	30	83.95	20	125	85	44	30.5
		76.1	2.0	21.3	1.6	113.0	30	83.95	20	125	85	44	30.5
		88.9	2.3	13.5	1.6	113.0	30	90.05	20	140	99	52	38.5
20	63 / 80	26.9	1.6	26.9	1.6	114.0	25	70.25	25	88	42	24	6.0
		33.7	2.0	26.9	1.6	114.0	25	73.25	25	94	48	28	10.0
		42.4	2.0	26.9	1.6	114.0	25	78.60	25	102	57	33	15.0
		48.3	2.0	26.9	1.6	114.0	25	80.55	25	108	63	35	17.0
		60.3	2.0	26.9	1.6	124.0	30	86.55	25	121	74	40	22.0
		76.1	2.0	26.9	1.6	124.0	30	94.45	25	136	86	45	27.0
25	63 / 80	33.7	2.0	33.7	2.0	124.5	25	78.55	25	98	53	33	13.0
		42.4	2.0	33.7	2.0	124.5	25	82.90	25	107	62	38	18.0
		76.1	2.0	33.7	2.0	134.5	30	99.75	25	142	94	52	32.0
40	100 / 125	42.4	2.0	42.4	2.0	152.0	25	97.00	25	122	62	37	8.4
		48.3	2.0	48.3	2.0	152.0	25	99.95	25	128	68	41	12.4
		60.3	2.0	48.3	2.0	162.0	30	105.95	25	140	82	48	19.4
		76.1	2.0	48.3	2.0	162.0	30	113.85	25	155	97	55	26.4
50	100 / 125	60.3	2.0	60.3	2.0	188.0	30	120.15	30	154	82	48	12.5
		76.1	2.0	60.3	2.0	188.0	30	128.05	30	172	100	56	20.5
		88.9	2.3	60.3	2.0	188.0	30	134.15	30	183	110	61	25.5

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Dimensions [mm], continued

Welded body acc. to ASME BPE



For all actuators

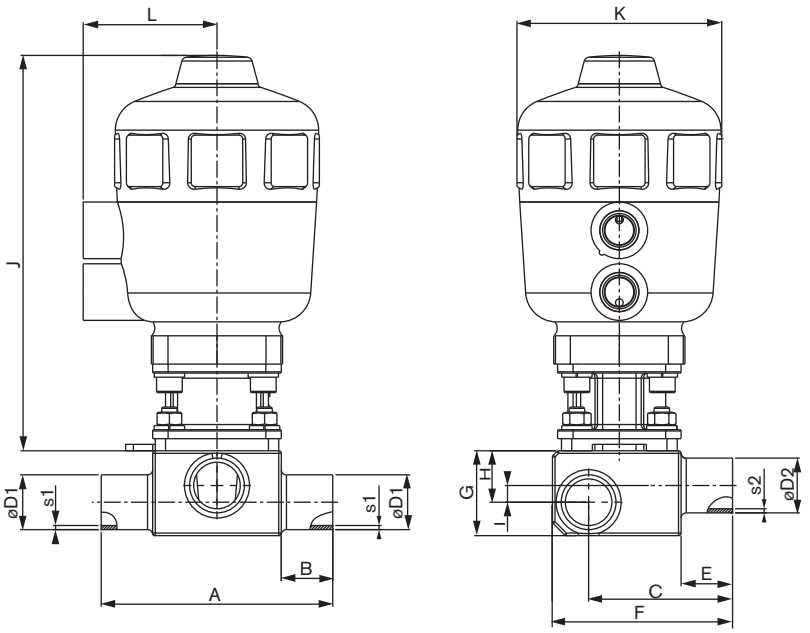
Orifice	Actuator size	J	K	L
8	40	95	53	34
15	50	139	64	39
	63	156	80	52
20	63	166	80	52
	80	187	101	60
25	63	171	80	52
	80	191	101	60
40	100	247	127	73
	125	284	158	86
50	100	256	127	73
	125	290	158	86

Orifice	Actuator size Ø	øD1	s1	øD2	s2	A	B	C	E	F	G	H	I
15	50/63	12.70	1.65	12.70	1.65	93.0	20	51.60	20	70	27	13.5	0.0
		19.05	1.65	12.70	1.65	103.0	20	54.78	20	70	31	18.5	5.0
		25.40	1.65	12.70	1.65	103.0	20	57.95	20	75	40	24	10.5
		38.10	1.65	12.70	1.65	103.0	25	64.30	20	88	54	31	17.5
		50.80	1.65	12.70	1.65	113.0	30	71.65	20	100	64	35	21.5
		63.50	1.65	12.70	1.65	113.0	30	78.80	20	113	73	38	24.5
		76.20	1.65	12.70	1.65	113.0	30	84.35	20	125	85	44	30.5
20	63/80	19.05	1.65	19.05	1.65	114.0	25	66.28	25	85	36	18	0.0
		25.40	1.65	19.05	1.65	114.0	25	69.45	25	90	40	24	6.0
		38.10	1.65	19.05	1.65	114.0	25	75.80	25	98	53	31	13.0
		50.80	1.65	19.05	1.65	124.0	30	82.15	25	111	66	37	19.0
		63.50	1.65	19.05	1.65	124.0	30	88.50	25	123	75	40	22.0
		76.20	1.65	19.05	1.65	124.0	30	94.85	25	137	87	45	27.0
25	63/80	25.40	1.65	25.40	1.65	124.5	25	74.75	25	95	42	26	6.0
		38.10	1.65	25.40	1.65	124.5	25	81.10	25	103	58	36	16.0
		50.80	1.65	25.40	1.65	134.5	30	87.45	25	120	75	44	24.0
		63.50	1.65	25.40	1.65	134.5	30	93.80	25	130	83	48	28.0
		76.20	1.65	25.40	1.65	134.5	30	100.15	25	142	94	52	32.0
40	100/125	38.10	1.65	38.10	1.65	152.0	25	95.20	25	121	58	35	6.4
		50.80	1.65	38.10	1.65	162.0	30	101.55	25	131	72	43	14.4
50	100 /125	50.80	1.65	50.80	1.65	188.0	30	115.75	30	145	71	42	6.5
		63.50	1.65	63.50	1.65	188.0	30	122.10	30	158	86	50	14.5

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Dimensions [mm], continued

Welded body acc. to DIN 11850 Series 0 and 2



For all actuators

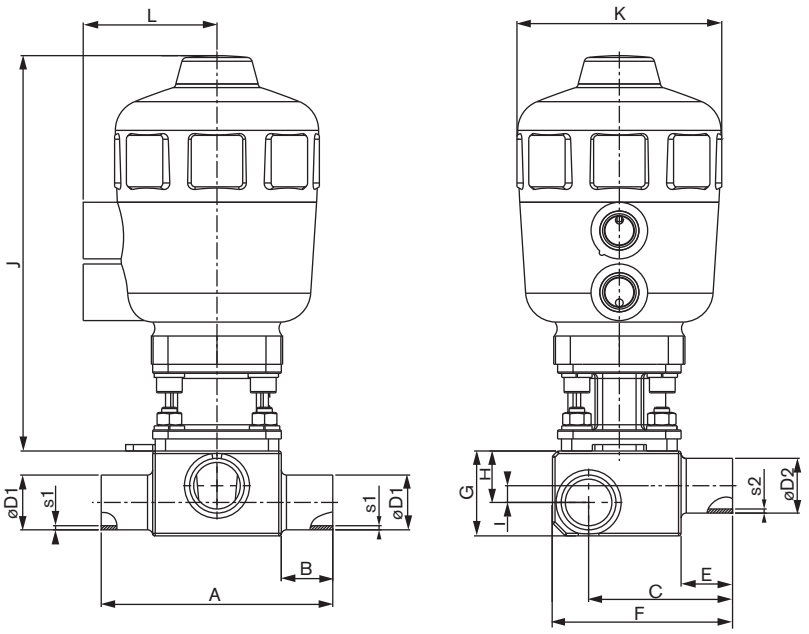
Orifice	Actuator size	J	K	L
8	40	95	53	34
15	50	139	64	39
	63	156	80	52
20	63	166	80	52
	80	187	101	60
25	63	171	80	52
	80	191	101	60
40	100	247	127	73
	125	284	158	86
50	100	256	127	73
	125	290	158	86

Orifice	Actuator size Ø	øD1	s1	øD2	s2	A	B	C	E	F	G	H	I
Series 0													
08	40	10.0	1.0	10.0	1.0	78.0	20	43.0	20	60	17	6.5	0.0
		40.0	1.5	6.0	1.0	88.0	25	60.5	20	83	51	29	19.0
		40.0	1.5	10.0	1.0	88.0	25	60.5	20	83	51	29	19.0
		52.0	1.5	6.0	1.0	98.0	30	66.5	20	95	60	32	22.0
25	63/80	28.0	1.5	28.0	1.5	124.5	25	76.2	25	95	46	29	9.0
		52.0	1.5	28.0	1.5	134.5	30	88.2	25	117	71	42	22.0
40	100/125	28.0	1.5	34.0	1.5	152.0	25	90.3	25	122	58	32	3.4
		52.0	1.5	34.0	1.5	162.0	30	102.3	25	132	75	45	16.4
50	100/125	52.0	1.5	52.0	1.5	188.0	30	116.5	30	147	73	43	7.5
Series 2													
15	50/63	19.0	1.5	19.0	1.5	93.0	20	54.9	20	70	33	20	6.5
		23.0	1.5	19.0	1.5	103.0	20	56.9	20	72	37	22.5	8.5
		35.0	1.5	19.0	1.5	103.0	25	62.9	20	84	50	29	14.5
		41.0	1.5	19.0	1.5	103.0	25	65.9	20	91	56	32	18.5
20	63/80	23.0	1.5	23.0	1.5	114.0	25	68.4	25	88	42	21	3.0
		35.0	1.5	23.0	1.5	114.0	25	74.4	25	95	50	29	11.0
		41.0	1.5	23.0	1.5	114.0	25	77.4	25	101	56	32	14.0
25	63/80	29.0	1.5	29.0	1.5	124.5	25	76.7	25	98	48	30	10.0
40	100/125	41.0	1.5	41.0	1.5	152.0	25	96.8	25	121	62	37	8.4
50	100/125	53.0	1.5	53.0	1.5	188.0	30	117.0	30	147	74	44	8.5

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Dimensions [mm], continued

Welded body acc. to SMS 3008



For all actuators

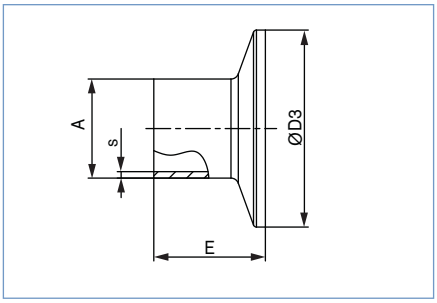
Orifice	Actuator size	J	K	L
8	40	95	53	34
15	50	139	64	39
	63	156	80	52
20	63	166	80	52
	80	187	101	60
25	63	171	80	52
	80	191	101	60
40	100	247	127	73
	125	284	158	86
50	100	256	127	73
	125	290	158	86

Orifice	Actuator size Ø	øD1	s1	øD2	s2	A	B	C	E	F	G	H	I
25	63/80	25.0	1.2	25.0	1.2	124.5	25	75.0	25	95	43	27	7.0
		38.0	1.2	25.0	1.2	124.5	25	81.5	25	105	59	36	16.0
		51.0	1.2	25.0	1.2	134.5	30	88.0	25	118	72	42	22.0
40	100/125	38.0	1.2	38.0	1.2	152.0	25	95.6	25	121	58	35	6.4
		51.0	1.2	38.0	1.2	162.0	30	102.1	25	131	73	44	15.4
50	100/125	51.0	1.2	51.0	1.2	188.0	30	116.3	30	147	73	43	7.5

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Dimensions [mm], continued

Clamp body



ASME BPE

Orifice [mm]	Orifice [inch]	A	s	D3	E
08	1/4”	6.35	0.89	25.0	28.6
10	3/8”	9.53	0.89	25.0	28.6
15	1/2”	12.7	1.65	25.0	28.6
20	3/4”	19.05	1.65	25.0	28.6
25	1”	25.4	1.65	50.5	28.6
40	1 1/2”	38.1	1.65	50.5	28.6
50	2”	50.8	1.65	64.0	28.6
65	2 1/2”	63.5	1.65	77.5	28.6
80	3”	76.2	1.65	91.0	28.6
100	4”	101.6	2.11	119.0	28.6

DIN 32676

Orifice [mm]	A	s	D3	E
10	1.5	34.0	18	18
15	19	1.5	34.0	18
20	23	1.5	34.0	18
25	29	1.5	50.5	21.5
32	35	1.5	50.5	21.5
40	41	1.5	50.5	21.5
50	53	1.5	64.0	21.5
65	70	2.0	91.0	28

ISO 2852 for pipe ISO 4200

Orifice [mm]	A	s	D3	E
8	13.5	1.6	25.0	28.6
8	13.5	1.6	34.0	28.6
10	17.2	1.6	34.0	28.6
15	21.3	1.6	34.0	28.6
15	21.3	1.6	50.5	28.6
20	26.9	1.6	50.5	28.6
25	33.7	2	50.5	28.6
32	42.4	2	50.5	28.6
40	48.3	2	64.0	28.6
50	60.3	2	77.5	28.6
65	76.1	2	91.0	28.6
100	114.3	2.3	130.0	28.6

SMS

Orifice [mm]	A	s	D3	E
25	25	1.2	50.5	21.5
40	38	1.2	50.5	28.6
50	51	1.2	64.0	28.6

DTS 1000011282 EN Version: L Status: RL (released | freigegeben | validé) printed: 20.01.2015

bürkert

Ordering information for valve system On/Off Classic Type 8801-TA/8803-TA

A **valve system On/Off Classic Type 8801-TA/8803-TA** consists of a T valve **Type 2032** and a valve actuation system control head **Type 8691**, a pneumatic control unit **Type 8690** or an electrical position feedback **Type 1062** (see separate datasheets).
For the configuration of further valve systems please use the "Request for quotation" on p. 13 go to page
You order two components and receive a complete assembled and certified valve.

Ordering the valve system On/Off Classic Type 8801-TA/8803-TA

T valve Type 2032



Control units


8691


8690


1062

T valve with desired control unit



Valve system On/Off Classic
Type 8801-TA-H
2032 + 8691



Valve system On/Off Classic
Type 8801-TA-K
2032 + 8690



Valve system On/Off Classic
Type 8803-TA
2032 + 1062

When you click on the orange box "More info." below, you will come to our website for the resp. product where you can download the datasheet.

Control head Type 8691 More info.



AS-i DeviceNet™

The new generation of integrated control heads for combination with actuators from the process valve series Type 20xx/21xx is specially designed for the requirements of hygienic process environments. The intelligent control head, Type 8691, detects the valve position by means of a contact-free analog position sensor circumventing excessive wear of mechanical parts. Single or double-acting actuators are controlled via the integral pilot valve. Communication interfaces AS-Interface and DeviceNet are available as options.

Main customer benefits:
- Automatic setting of the control head at the push of a button
- Even under dirty or dark environments, a clearly visible status display due to powerful LEDs
- Monitoring and diagnosis: Process valve systems with field bus interface used in modern plant processes
- Integrated pilot valve with manual actuation
- Air intake filter enhances the process valve system availability
- Simple and reliable actuator adaptations allowing additional actuators of the process valve series, Type 20xx or actuators from other manufacturers to be used

Pneumatic control unit Type 8690 More info.



The new generation of integrated controllers for combination with actuators from the process valve series Type 20xx/21xx is specially designed for the requirements of hygienic process environments.
The pneumatic control unit Type 8690 combines electrical position feedback and pneumatic control for single or double-acting actuators, and is also optionally available as an intrinsically safe model to ATEX.

Main customer benefits:
- Integrated pilot valve with manual actuation
- Air intake filter enhances the process valve system availability
- Simple and reliable actuator adaptations allowing additional actuators of the process valve series, Type 20xx or actuators from other manufacturers to be used

Electrical position feedback Type 1062 More info.



Positions are electrically signalized according to switch type:
- open,
- closed or
- open and closed.

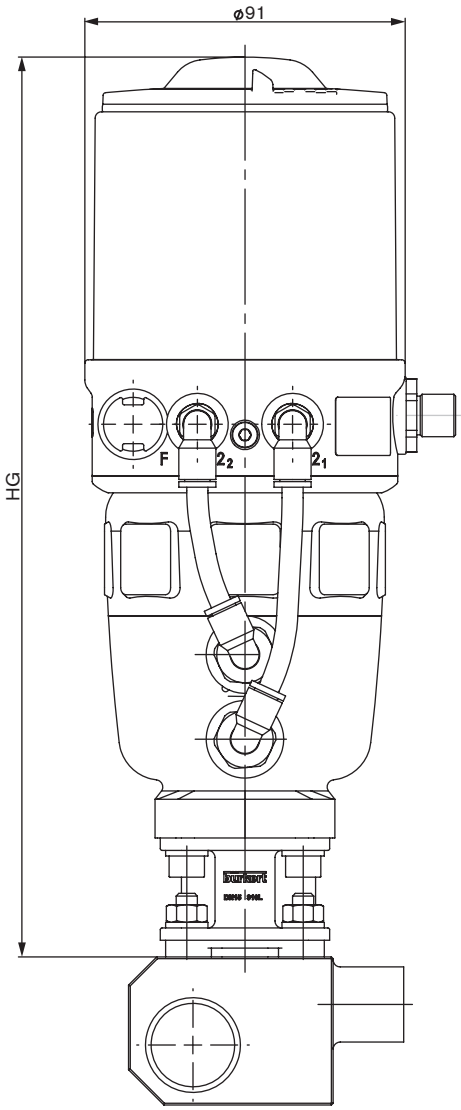
LEDs provide optical position indication (except for Namur Ex-version). Mechanical or inductive switches are housed in a compact splash-proof enclosure. The position indicator can be rotated 360° and is easily fitted to the valve. Trip cams do not require adjustment. The unit only needs to be screwed on and connected to be ready for operation.

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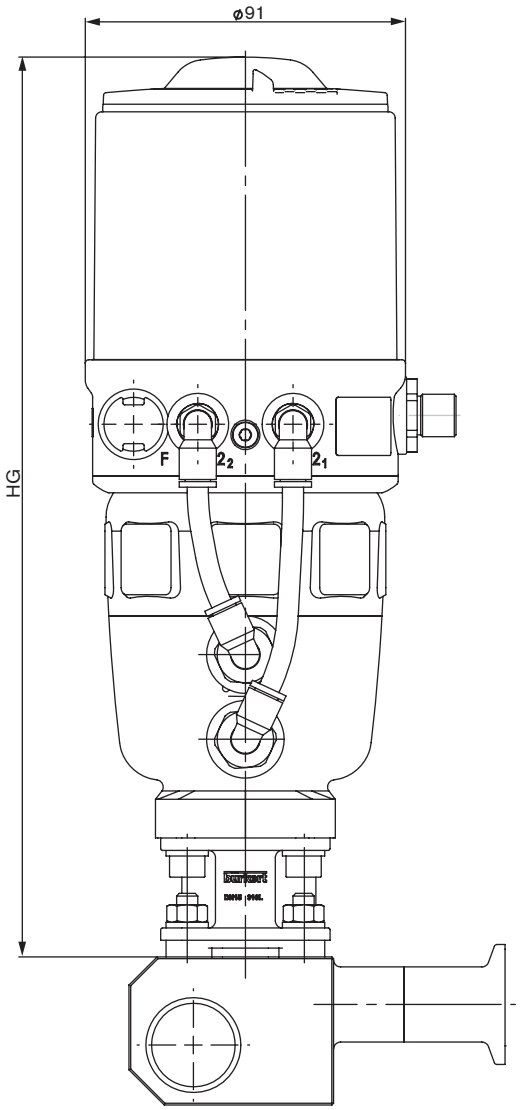
Dimensions for valve system On/Off Classic Type 8801-TA-H [mm]

Dimensions valve system On/Off Classic Type 8801-TA-H with control head Type 8691 [mm]

Welded body



Clamp body



Port connection [mm]	Actuator size [mm]	HG [mm]
15	50	240.5
	63	257.5
20	63	267.5
	80	288.5
25	63	272.5
	80	292.5
40	100	345.5
	125	382.5
50	100	354.5
	125	388.5

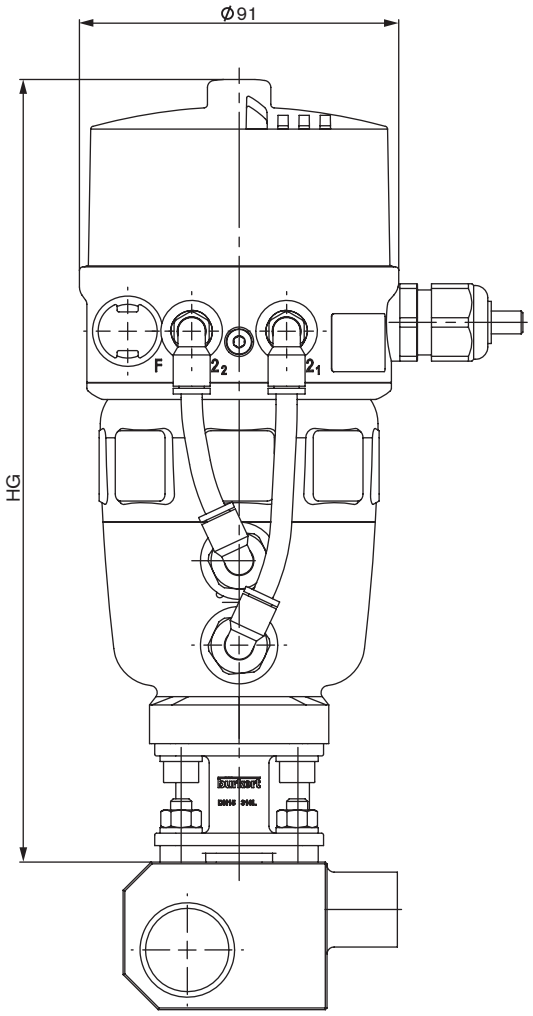
Further dimensions see p. 4-8

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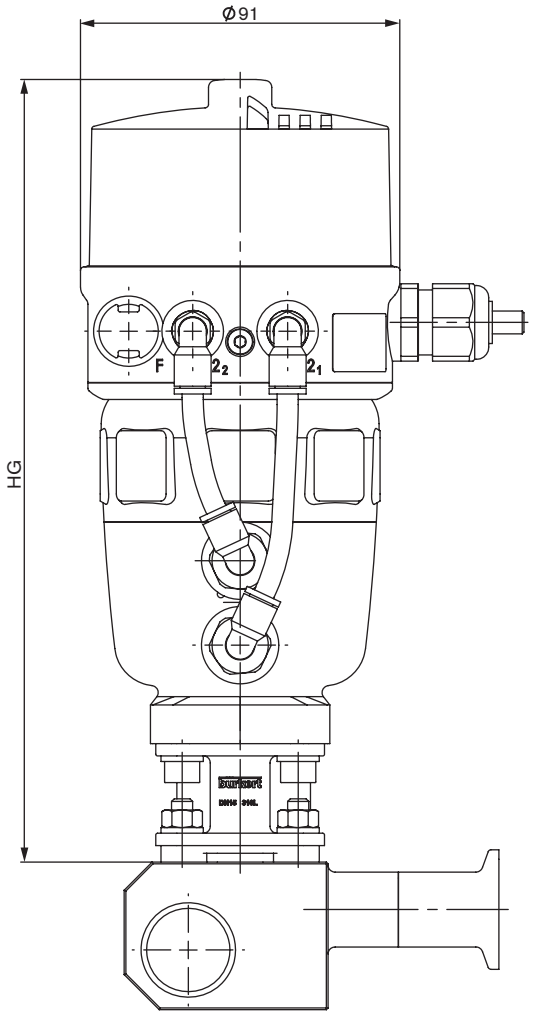
Dimensions for valve system On/Off Classic Type 8801-TA-K [mm]

Dimensions valve system On/Off Classic Type 8801-TA-K with pneumatic control unit Type 8690 [mm]

Welded body



Clamp body



Port connection [mm]	Actuator size [mm]	HG [mm]
15	50	215
	63	229
20	63	240
	80	259
25	63	252
	80	269
40	100	324
	125	359
50	100	372
	125	502

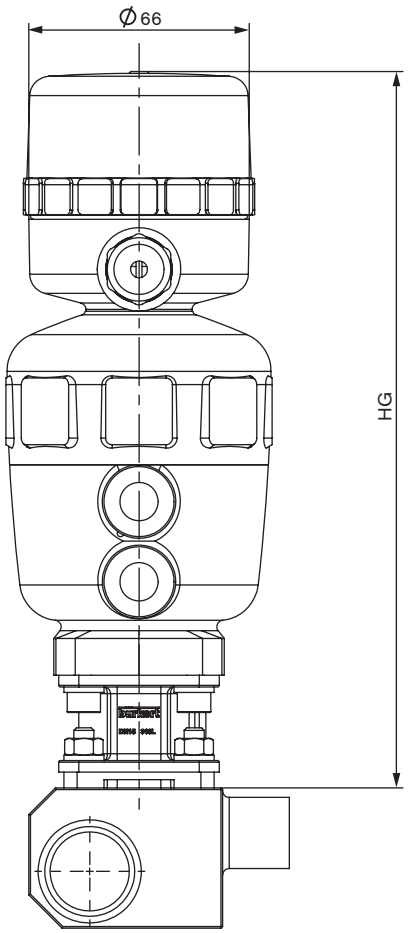
Further dimensions see p. 4-8

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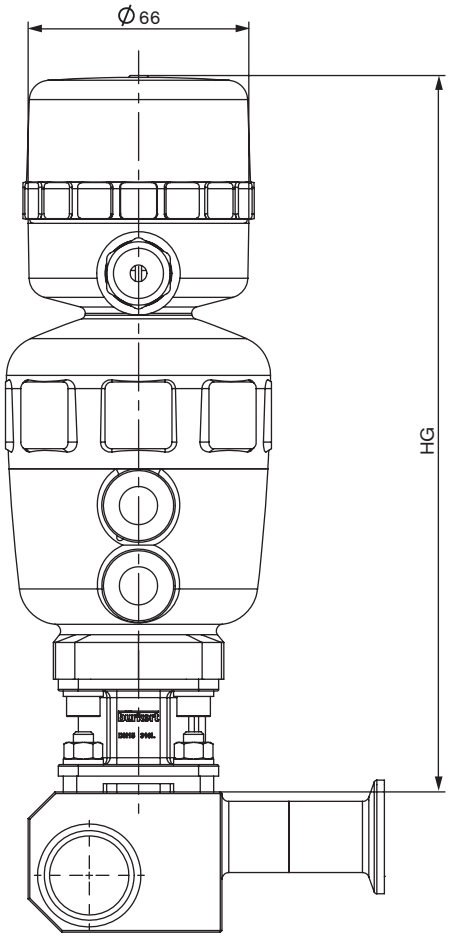
Dimensions for valve system On/Off Classic Type 8803-TA [mm]

Dimensions valve system On/Off Classic Type 8803-TA with electrical position feedback Type 1062 [mm]

Welded body



Clamp body



Port connection [mm]	Actuator size [mm]	HG [mm]
8	40	156
15	50	200
	63	217
20	63	227
	80	248
25	63	232
	80	252
40	100	305
	125	342
50	100	314
	125	348

Further dimensions see p. 4-8

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bürkert

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

Valve system On/Off Classic Type 8801-TA/8803-TA – request for quotation

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

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

■ = mandatory fields to fill out Quantity Required delivery date

Operating data

Pipe dimensions	Main tube øD1 x s1		Outlet tube øD2 x s2	
	Clamp main tube		Clamp outlet	
Pipe material				
Surface finish Ra int.				
■ **Process medium**				
■ **Type of media**	☐ Liquid	☐ Steam	☐ Gas	
	nominal	unit		
■ **Flow rate (Q, Q_N, W)** [1]				
■ **Temperature at valve inlet T1**				
■ **Absolute pressure at valve inlet P1**				
■ **Absolute pressure at valve outlet P2**				
Steam pressure Pv				

[1] standard unit:
Liquid Q = m³/h;
Steam W = kg/h;
Gas Q_N = Nm³/h

Valve features

Specification key
automatically transferred from last page go to page

☐ ☐ ☐ B ☐ ☐ ☐ ☐ ☐ ☐

Control unit features

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

Control head

☐ **Type 8691** More info.

Pneumatic function
☐ Single-acting ☐ Double-acting

Pilot air ports
☐ Push-in connector external ø 6 mm or 1/4"
☐ Thread G 1/8"

Communication
☐ ASI
☐ Multipol M12
☐ Flat cable clip, 1 m cable
☐ DeviceNet

Please specify item no. if known:

Pneumatic control unit

☐ **Type 8690** More info.

Pneumatic function
☐ Single-acting ☐ Double-acting
☐ Without pilot valve

Position feedback
☐ 1x inductive ☐ 2x inductive
☐ 1x inductive (NAMUR) ☐ 2x inductive (NAMUR)
☐ 1x mechanical ☐ 2x mechanical

Supply voltage
☐ 24 V / DC (ATEX Zone 2/22)
☐ Ex ia IIC T6 (ATEX Zone 1)

Pilot air ports
☐ Push-in connector external ø 6 mm or 1/4" ☐ Thread G 1/8"

Please specify item no. if known:

Electrical position feedback

☐ **Type 1062** More info.

Limit switches
☐ mechanical
☐ Voltage 12-48 V
☐ Voltage 110-250 V
☐ inductive
☐ NAMUR EExi

Status
☐ closed
☐ open
☐ open/closed

Please specify item no. if known:

continued on next page →

reset formular

* To find your nearest Bürkert facility, click on the orange box → www.burkert.com

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Valve system On/Off Classic Type 8801-TA/8803-TA – request for quotation, *cont.*

Control unit features

Pilot valve	Stroke limitation
☐ **Pilot valve**	☐ **Stroke limitation**
Power supply ☐	☐ **Min./max. stroke limitation,** with visual position indicator ☐ **Max. stroke limitation,** without visual position indicator
Please specify item no. if known: ☐	**Please specify item no. if known:** ☐

Certifications

- ☐ Attestation of compliance with the order EN-ISO 10204 2.1 (Item-No. 440 788)
- ☐ Test report EN-ISO 10204 2.2 (Item No. 803 722)
- ☐ Certification of Conformity for Raw Material EN-ISO 10204 3.1 (included in delivery)
- ☐ EN161 (European Gas Device guideline)
- ☐ FDA - USP certificate

Comment / sketch

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Valve features

Example	A	15	AB	B	VH	SA42	SA42	D	E	NO14
Specification key				B						

Please make a choice

CONTROL FUNCTION

A	normally closed by spring action
B	normally open by spring action
I	double acting

SIZE [mm]

4
6
8
15
20
25
40
50
80
100

DIAPHRAGM MATERIAL

AB	EPDM in food quality
EA	PTFE
FF	FKM
EU	advanced PTFE

PRODUCTION OF BODY

B	Monoblock

BODY MATERIAL

VH	1.4435/AISI 316L
VI	1.4435BN2/ASME BPE

VARIABLE CODES

Surface finish, internal		
NO07	Int. Mirror finished Ra=0.25 µm	
NO23	Mechanical polished Ra=0.6 µm	*standard*
NO16	Int. Electro polished Ra=0.6 µm	

ACTUATOR SIZE [1)]

C	ø 40 mm
D	ø 50 mm
E	ø 63 mm
F	ø 80 mm
G	ø 100 mm
H	ø 125 mm
K	ø 175 mm
L	ø 225 mm

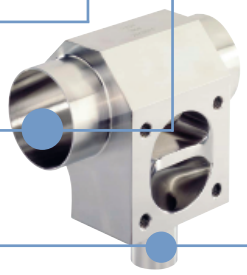
[1)] for technical spec. see table, page 2

ACTUATOR MATERIAL

C	PA (for actuator sizes ø175/225 mm)
D	PPS

øD1 main tube connection

øD2 outlet tube connection



Port connection weld end

Port conn. [mm]	EN ISO 1127/ ISO 4200	SMS 3008	DIN 11850 Series 0	Series 1	Series 2	Series 3	BS 4825	ASME BPE	JIS Sanitary	JIS Utility
4	–	–	SC40=6x1.0	–	–	–	–	–	–	–
6	–	–	SC41=8x1.0	–	–	–	–	–	–	–
8	SA40=13.5x1.6	–	SC42=10x1.0	–	–	–	SODB=6.35x1.2	SA90=6.35x0.89	SA70=13.8x1.65	–
10	SA41=17.2x1.6	–	–	SF40=12x1.0	SD40=13x1.5	SE40=14x20.0	SODC=9.53x1.2	SA91=9.53x0.89	SA71=17.3x1.65	–
15	SA42=21.3x1.6	–	SC43=18x1.5	SF41=18x1.0	SD42=19x1.5	SE42=20x2.0	SODD=12.7x1.2	SA92=12.7x1.65	SA72=21.7x2.1	–
20	SA43=26.9x1.6	–	SC44=22x1.5	SF42=22x1.0	SD43=23x1.5	SE43=24x2.0	SODE=19.05x1.2	SA93=19.05x1.65	SA76=27.2x2.1	SA80=27.2x2.1
25	SA44=33.7x2.0	SA60=25.0x1.2	SC45=28x1.5	SF43=28x1.0	SD44=29x1.5	SE44=30x2.0	–	SODF=25.4x1.65	SA73=25.4x1.2	SA81=34x2.0
32	SA45=42.4x2.0	–	SC46=34x1.5	SF44=34x1.0	SD45=35x1.5	SE45=36x2.0	–			SA83=42.7x2.0
40	SA46=48.3x2.0	SA62=38.0x1.2	SC47=40x1.5	SF45=40x1.0	SD46=41x1.5	SE46=42x2.0	–	SODH=38.1x1.65	SA74=38.1x1.2	SA83=48.6x2.0
50	SA47=60.3x2.0	SA63=51.0x1.2	SC48=52x1.5	SF46=52x1.0	SD47=53x1.5	SE47=54x2.0	–	SODI=50.8x1.65	SA75=50.8x1.5	SA84=60.5x2.0
65	SA48=76.1x2.0	SA64=63.5x1.6	–	–	SD48=70x2.0	–	–	SODJ=63.5x1.65	–	–
80	SA49=88.9x2.3	SA65=76.1x1.6	–	–	SD49=85x2.0	–	–	SODK=76.2x1.65	–	–
100	SA39=114.3x2.3	SA66=101.6x2.0	–	–	SD50=104x2.0	–	–	SODL=101.6x2.11	–	–

Port connection clamp

Port conn. [mm]	ISO 2852 SMS 3017	ASME BPE	DIN 32676
8	TC51=Clamp 34 - for tube ISO 4200	TG50=Clamp 25 - Tube 6.35x0.89	–
10	TC41=Clamp 34 - for tube ISO 4200	TG01=Clamp 25 - Tube 9.53x0.89	TD41=Clamp 34 - Tube 13x1.5
15	TC42=Clamp 34 - for tube ISO 4200	TG02=Clamp 25 - Tube 12.7x1.65	TD42=Clamp 34 - Tube 19x1.5
20	TC43=Clamp 50.5 - for tube ISO 4200	TG03=Clamp 25 - Tube 19.05x1.65	TD43=Clamp 34 - Tube 23x1.5
25	TC44=Clamp 50.5 - for tube ISO 4200	TG04=Clamp 50.5 - Tube 25.4x1.65	TD44=Clamp 50.5 - Tube 29x1.5
40	TC46=Clamp 64 - for tube ISO 4200	TG05=Clamp 50.5 - Tube 38.1x1.65	TD46=Clamp 50.5 - Tube 41x1.5
50	TC47=Clamp 77.5 - for tube ISO 4200	TG06=Clamp 64 - Tube 50.8x1.65	TD47=Clamp 64 - Tube 53x1.5
65	TC48=Clamp 91 - for tube ISO 4200	TG07=Clamp 64 - Tube 63.5x1.65	TD48=Clamp 91 - Tube 70x2.0
80	–	TG08=Clamp 91 - Tube 76.1x1.65	–
100	TC50=Clamp 130 - for tube ISO 4200	TG09=Clamp 119 - Tube 101.6x2.11	–

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

Subject to alteration.
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