


DN 8 - 50 mm, forged stainless steel



Advantages / Benefits

- ▶ Customized system solutions with Burkert sensors, controllers and pneumatics
- ▶ Body material: forged stainless steel in various surface finishes
- ▶ Modular range of different bodies, diaphragms and accessories
- ▶ Zero dead volume
- ▶ Self-draining, when installed appropriately
- ▶ Quality certifications:

FDA, 

Design

The combination of hermetically-sealed actuators, forged 316L stainless steel bodies, and chemically neutral diaphragms provides positive control of critical or ultra pure fluids while completely isolating the fluids from the operating mechanism and the outside environment.

These attributes make Burkert diaphragm valves the ideal choice for applications requiring hygienic, contamination free or sterilized conditions.

- Fluid is separated from actuator and environment.
- Hygienic design
- Bidirectional flow
- Body for low turbulence flow
- Qualified for CIP (Clean In Place)
- Steam sterilisable

Applications

Fluids

Ultra-pure, sterile, aggressive, abrasive or high viscosity fluids up to 140 °C.

Applications

Pharmaceutical industry

Bio-technology

Cosmetic industry

Food industry

Process technology

burkert
Easy Fluid Control Systems

An optional variety of modules for your choice

ACTUATOR

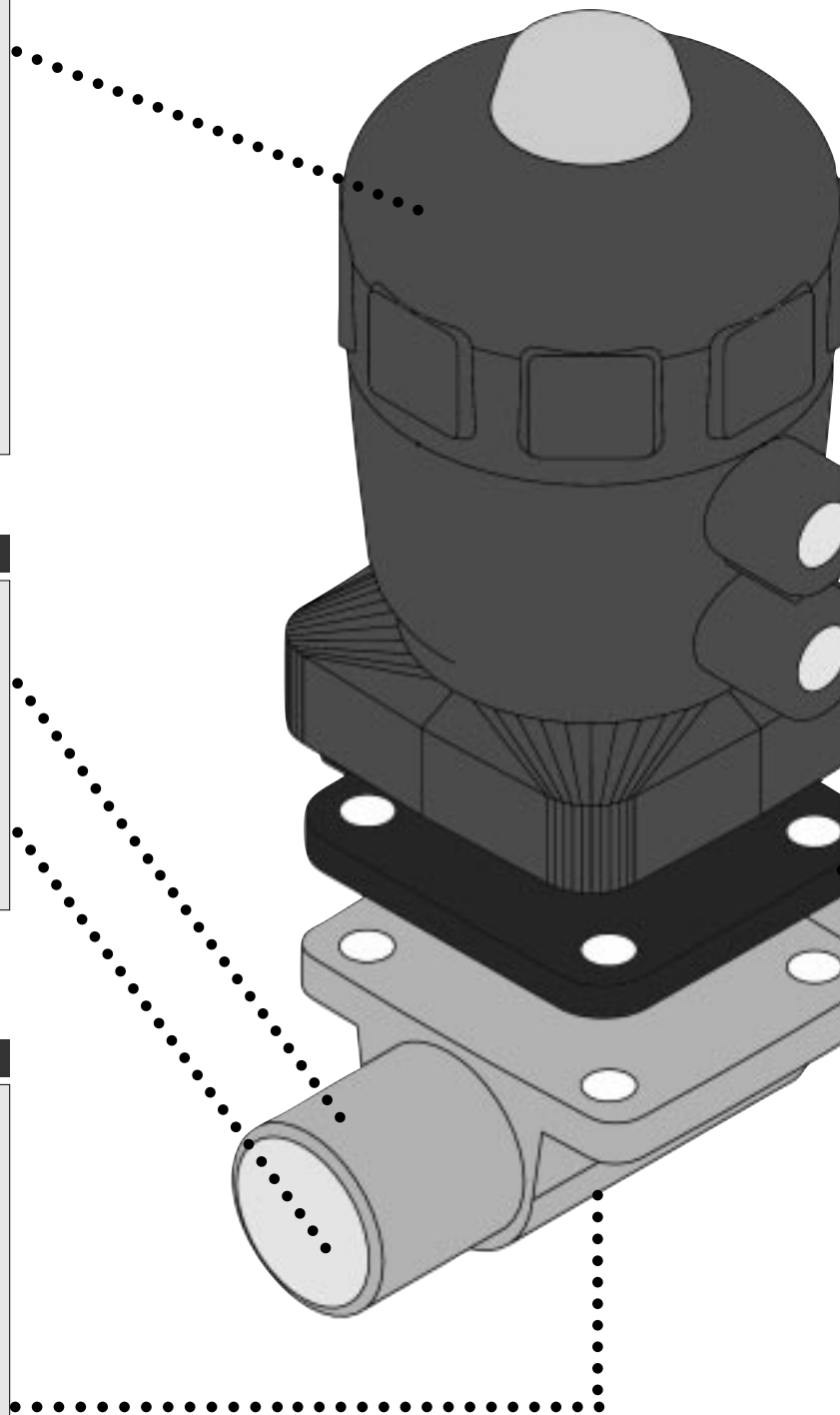
- Actuator Size:**
- ▶ C: \varnothing 40 mm
 - ▶ D: \varnothing 50 mm
 - ▶ E: \varnothing 63 mm
 - ▶ F: \varnothing 80 mm
 - ▶ G: \varnothing 100 mm
 - ▶ H: \varnothing 125 mm
- Actuator Material:**
- ▶ PA (Polyamide, ambient-temperature 60°C)
 - ▶ PPS (Polyphenylene Sulphide, ambient temp. up to 140°C)
- Control Function:**
- ▶ A (normally closed by spring)
 - ▶ B (normally open by spring)
 - ▶ I (double acting)

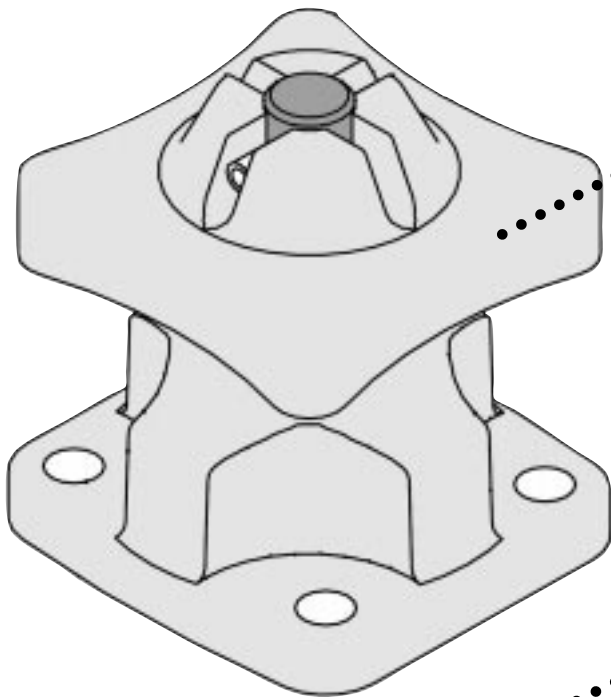
SURFACE FINISH

- External:**
- ▶ Glass-beaded Ra= 1.6 μm
 - ▶ Electro-polish Ra= 0.8 μm
- Internal:**
- ▶ Satin-finish Ra= 0.6 μm
 - ▶ Electro-polish Ra= 0.3 μm
 - ▶ Mirror-finish Ra= 0.1 μm

VALVE / BODY

- Body Configuration:**
- ▶ 2-Way valve body
 - ▶ Zero dead leg body (T-Valve)
- Valve Size:**
- ▶ 8 mm
 - ▶ 15 mm
 - ▶ 20 mm
 - ▶ 25 mm
 - ▶ 40 mm
 - ▶ 50 mm





BONNET with HAND-WHEEL

- Size:**
- ▶ A: for valve size DN 8
 - ▶ B: for valve size DN 15, 20
 - ▶ C: for valve size DN 25
 - ▶ D: for valve size DN 40, 50
- Material:**
- ▶ White epoxy coated cast iron

DIAPHRAGM

- Materials:**
- ▶ EPDM (Ethylene Propylene Rubber)
 - ▶ PTFE (Teflon) & EPDM
 - ▶ FPM (Viton)
 - ▶ CSM (Hypalon)

END-TYPES

- Butt Weld Ends:**
- ▶ ISO 4200
 - ▶ DIN 11850 series 2
 - ▶ SMS 3008
 - ▶ BS O.D. Tubing
 - ▶ JIS Sanitary
 - ▶ JIS Utility
- Clamp connection:**
- ▶ ISO 2852
 - ▶ BS 4825 (Tri-Clamp®)
- Threaded Ends:**
- ▶ Dairy union acc. to DIN 11851

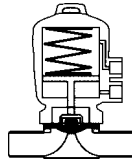
Aseptic Diaphragm Valves for high purity applications

Type 2031/3231

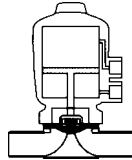
Technical Data

Control Functions

A 2/2-way flow valve,
normally closed spring return

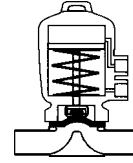


I 2/2-way flow valve,
with double-acting actuator



Control Functions

B 2/2-way flow valve,
normally open spring return



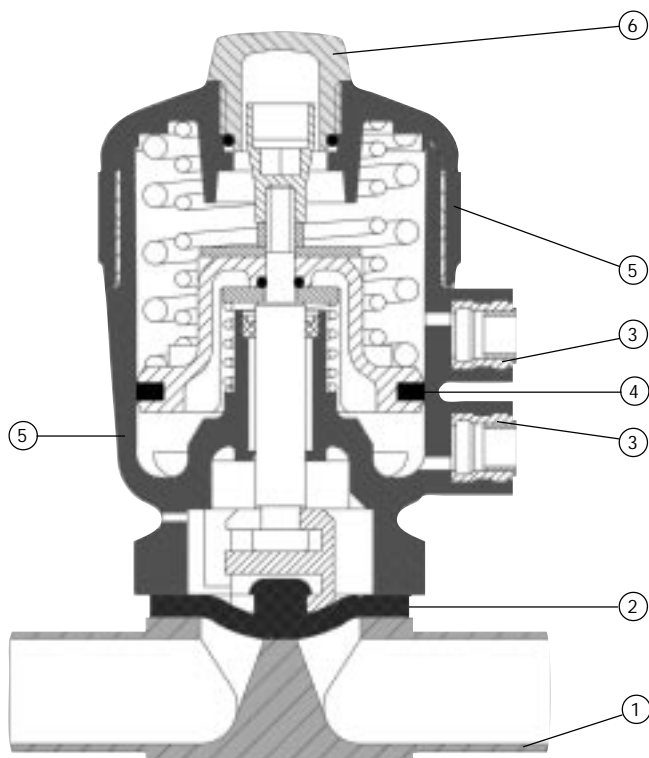
Operating data, valve

Valve body material	Stainless steel 1.4435 (316L)
Process connection	Butt weld spigots, threaded ends, clamp connections.
Orifice	DN 8-50
Max. operating pressure (medium)	0 - 10 bar
Fluids	Ultra-pure, sterile, aggressive, abrasive or high viscosity fluids. Steam, CIP fluids.
Fluid temperature	min. -10 °C, max. +130 °C /max. short time temp. +150 °C (CIP).
Ambient temperature	min. -10 °C, max. +60 °C (PA). actuator $\lt; \varnothing 100$: min. +5 °C, max. +140 °C (PPS) actuator >math>\gt; \varnothing 100</math>: min. +5 °C, max. +90 °C (PPS) short time temp. +140 °C

Operating data, actuator

Pilot control pressure	N.C. (spring to close): min. 5.5 bar. N.O. (spring to open): min. 4.5 bar, (with diaphragm PTFE min. 5.0 bar).
Max. permissible control pressure	7 bar (PPS-actuator) 10 bar (PA-actuator, on request)
Control medium	Neutral gases, air
Control connection	G 1/8 (actuator $\varnothing 40 - \varnothing 50$) G 1/4 (actuator $\varnothing 63 - \varnothing 125$)

Materials



- | | |
|-------------------------|--|
| 1. Valve body: | 1.4435 (316L) |
| 2. Seal (diaphragm): | EPDM
FPM (Viton)
CSM (Hypalon)
PTFE & EPDM |
| 3. Cone glands: | 1.4305 |
| 4. Cylinder seal: | Perbunan (NBR), (actuator PA).
Viton (FPM), (actuator PPS). |
| 5. Actuator casing: | PPS, PA |
| 6. Position indication: | Polycarbonat (actuator PA)
Ultrason (actuator PPS) |

Valve Body Material



Burkert Forged Bodies

The key to hygiene, Burkert high quality valve bodies are forged of 1.4435 (316L) stainless steel, with Fe < 0.5%, C ≤ 0.03 %.

Defect free surface

- High quality surface of finished product - free from pinholes, crevices, impurities and subsurface porosity after grinding and polishing.
- The size of cavities, well accepted in many industrial applications, could present enormous problems as bacteria traps in cell culture or other critical systems.

Low ferrite content

- Relatively ferrite-free alloy eliminates concern regarding ferrite contamination which may result from the use of cast piping components.
- Process lines can be contaminated by leaching out of free ferrite and subsequent migration of the resulting oxides throughout the system.

Surface finishes

High surface quality and consistency especially for pharmaceutical and bio-processing industries.

Benefits

Superior surfaces for increasingly stringent specifications on cleanness of the relevant processing industry:

- Surface finish can be described by using the roughness average (Ra) parameter.
- The Ra value is defined as the average value of departures from its centre line through a prescribed sampling length.

Electropolishing - additional inherent benefits subsequent to mechanical polishing (not possible on mirror polished surfaces):

- Surface leveling reduces the total surface height by 50% and relieves much of the surface tension inherent in mechanical polishing.
- Provides a continuous, tenacious, chromium rich oxide layer on the surface resulting in an excellent passive film enhancing corrosion resistance.
- Offers optimization of cleanability and sterilization.
- Provides quality control mechanism exposing surface pits and defective welding.
- Removal of inclusions and entrapped contaminants such as lubricants and grit particles.
- High lustre reflective and aesthetical appearance.

Burkerts forged bodies may be specified with any combination of these finishes. Standard combinations of internal and external surface finishes are:

Internal Ra ~ 0.6 µm
Satin Finish

External Ra ~ 1.6 µm
Glass Beaded

Internal Ra ~ 0.3 µm
Electro-polish

External Ra ~ 0.8 µm
Electro-polish

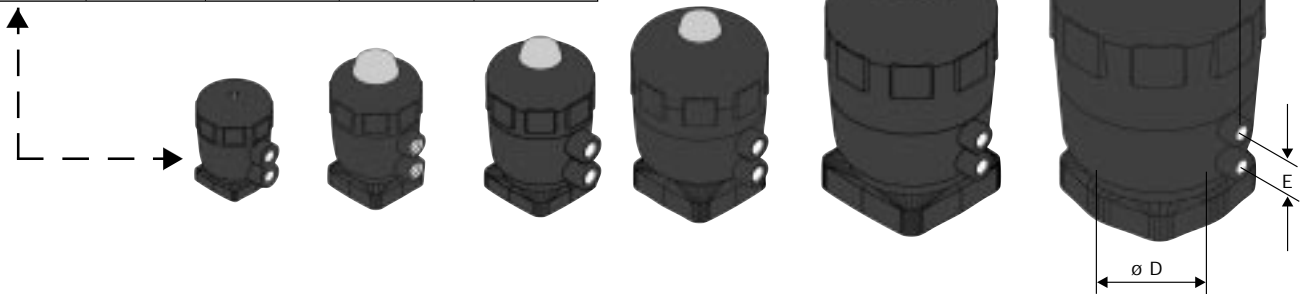
Internal Ra ~ 0.1 µm
Mirror Finish

External Ra ~ 1.6 µm
Glass Beaded

Actuator sizes type 2031

Burkert Powered Actuators are pilot operated to provide either Normally Open, Normally Closed or Double Acting operation. These compact units feature modern design, with a Polyamide (PA) or a Polyphenylene Sulfide (PPS) housings, integrated visual position indicator, and internals that are easily converted to other operating functions.

Size Code	øD [mm]	øD2 [mm]	C [mm]	E [mm]
C	40.00	53.00	34.00	16.50
D	50.00	64.00	39.00	20.00
E	63.00	80.00	52.00	24.00
F	80.00	100.00	60.00	24.00
G	100.00	127.00	73.00	24.00
H	125.00	153.00	86.00	30.00



Powered Actuator Options

The actuator options shown here are available at time of valve purchase, but also be retrofitted anytime after original valve installation. For further details please request our complete Type 2031 Actuator Accessories data sheet.

Position Indicators

Type 1062

Electrical position feedback. Available with mechanical, inductive switches



Type 1060

Electrical Feedback Signaller with optical position indication.



Type 1071

External magnetic position feedback (requires magnet position).



Stroke Limiters

Min./Max. Stroke Limiter
Minimum/Maximum stroke limitation with optical position indication.



Max. Stroke Limiter
Maximum stroke limitation.



Positioner 1067
with integrated PID for continuous control.



Manual Override

With optical position indication for Normally Closed valves.



NAMUR Fittings

NAMUR pilot valve adapter.



Diaphragms

Specially developed to handle the unique challenges of hygienic and sterile applications, Burkert manufactures diaphragms with exacting material formulation and physical tolerances.

Burkert diaphragms are available in a range of materials which have been proven in the food, biotechnology, pharmaceutical and cosmetic industries.

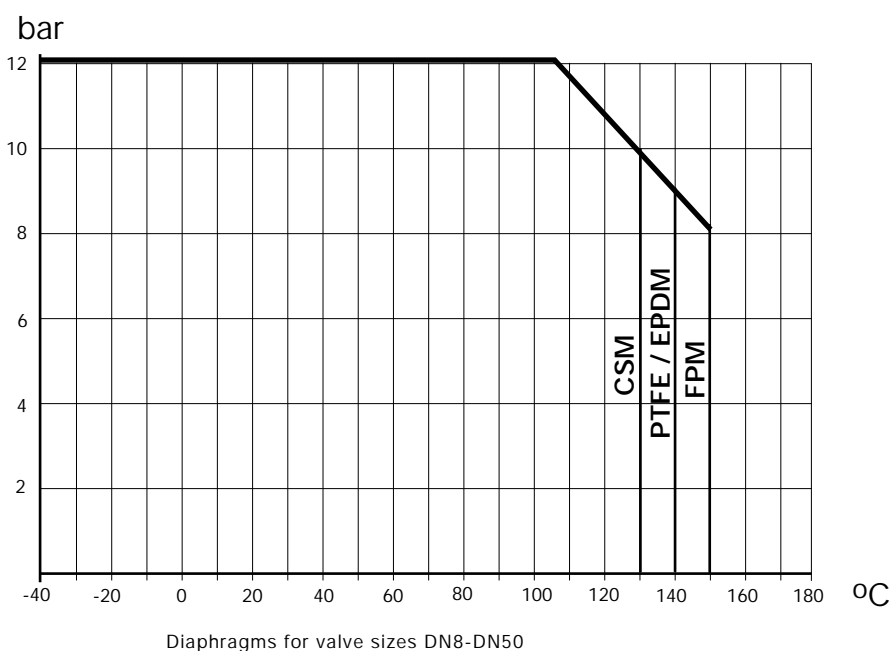
Diaphragms are tested during development and manufacture to ensure reliability in pharmaceutical, biochemical and food processing environments.



Diaphragm Materials

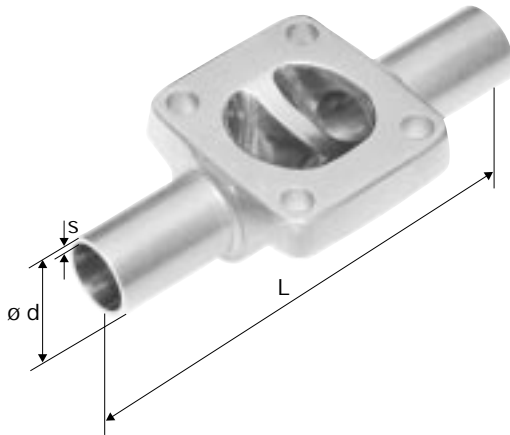
Material	Colour	Temperature Range [°C]	Approval
EPDM (Ethylene-Propylene-Dien Rubber)	black	-40 °C up to +140 °C	FDA, 3-A
PTFE (Teflon) & EPDM	white/black	-10 °C up to +130 °C	FDA, 3-A
FPM (Viton)	black	-5 °C up to +150 °C	FDA, 3-A
CSM (Hypalon)	black	-40 °C up to +130 °C	FDA, 3-A

Pressure-Temperature Chart (Diaphragms)

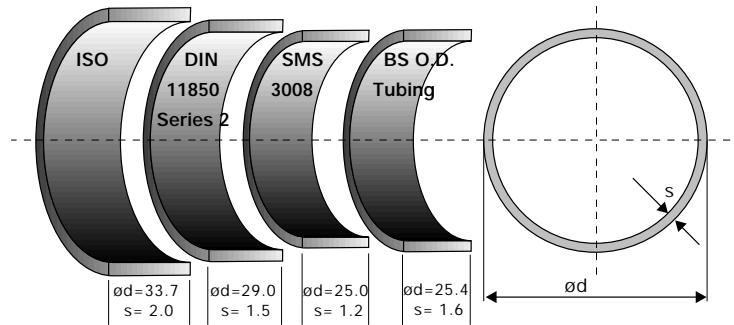


End Types

Butt weld Spigots



Example DN25

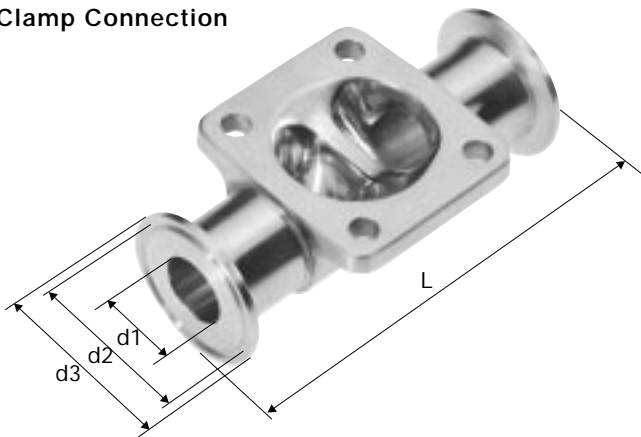


Dimensions [mm]

DN	L	ISO 4200		DIN 11850 Series 2 ¹⁾		SMS 3008		BS O.D. Tubing		JIS Sanitary		JIS Utility	
		ø d	s	ø d	s	ø d	s	ø d	s	ø d	s	ø d	s
8.0	90.0	13.5	1.6	-	-	-	-	6.35	1.65	13.8	1.65	---	---
15.0	110.0	21.3	1.6	19.0	1.5	-	-	12.70	1.65	21.7	1.65	---	---
20.0	119.0	26.9	1.6	23.0	1.5	-	-	19.05	1.65	---	---	27.2	2.0
25.0	129.0	33.7	2.0	29.0	1.5	25.0	1.2	25.40	1.65	25.4	1.2	34.0	2.0
40.0	161.0	48.3	2.0	41.0	1.5	38.0	1.2	38.10	1.65	38.1	1.2	48.6	2.0
50.0	192.0	60.3	2.0	53.0	1.5	51.0	1.2	50.80	1.65	50.8	1.5	60.5	2.0

¹⁾Further on request > DIN 11850 Series 1 and 3

Clamp Connection

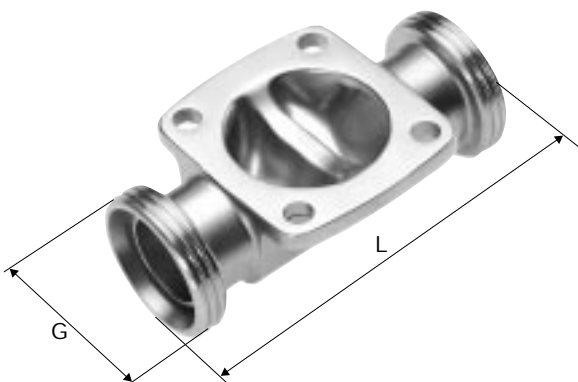


Dimensions [mm]

DN	L	ISO 2852 SMS 3017			BS 4825 Tri-Clamp			
		d1	d2	d3	L	d1	d2	d3
15.0	110.0	9.5	19.7	25.0	89.0	9.5	19.7	25.0
20.0	119.0	15.9	19.7	25.0	102.0	15.9	19.7	25.0
25.0	129.0	22.2	43.5	50.5	114.0	22.2	43.5	50.5
40.0	161.0	34.9	43.5	50.5	140.0	34.9	43.5	50.5
50.0	192.0	47.6	56.5	64.0	159.0	47.6	56.5	64.0

Further on request > Clamp DIN 32676

Sterile threaded Spigots



Dimensions [mm]

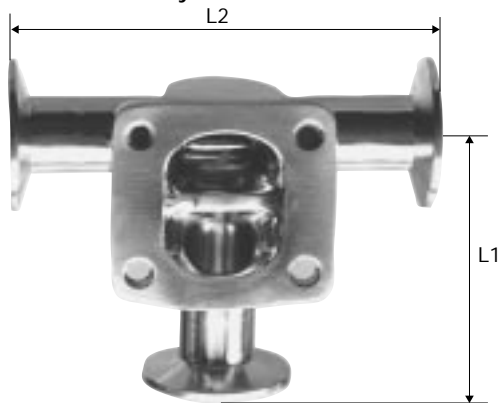
DN	L	DIN 11851	
		port size	G
15.0	89.0	18.10	Rd 34 x 1/8"
20.0	102.0	23.70	Rd 44 x 1/6"
25.0	115.0	29.70	Rd 52 x 1/6"
40.0	140.0	44.30	Rd 65 x 1/6"
50.0	159.0	56.30	Rd 78 x 1/6"

Further on request > all commonly used dairy unions acc. to RJT, IDF, etc.

All valve bodies from Burkert are machined from block.

Speciality Bodies and Connections

Special T-Valve Body



DN8 - DN50 (L1, L2 on request). Surface finishes and end connections the same as the 2/2-Way valve body.

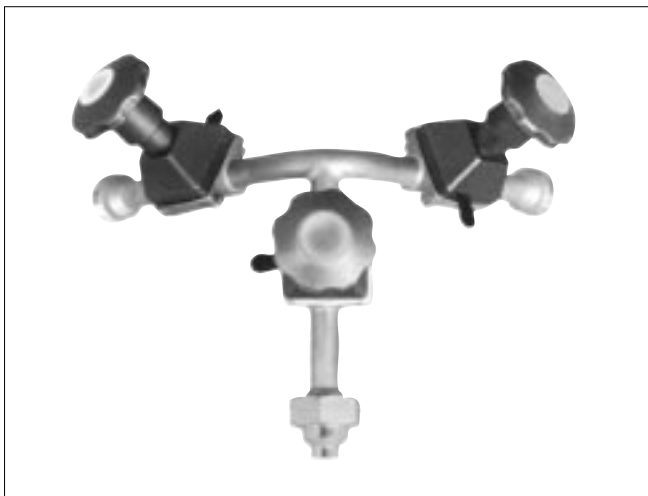
Burkert offers many specialized valve body and piping combinations to allow a broad range of diaphragm valve applications in high purity environments. In each of our speciality body configurations, the elimination of dead volume, cleanability and drainability are always tantamount in our design.

The examples shown here are indicative of custom piping capabilities that Burkert can deliver in addition to our precision valving.

Tandem-Valve (second body as access port)



Distribution Loop



Nozzle Valve



Special Flange Valve



Tank Bottom Valve

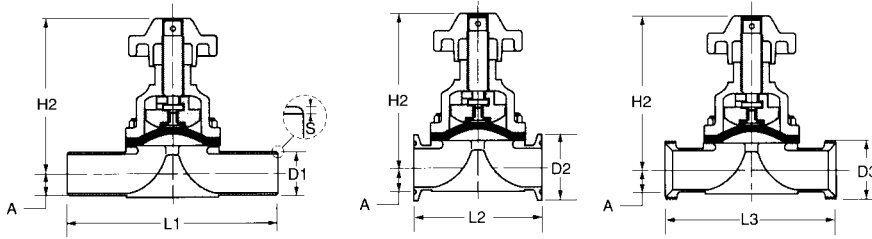


Aseptic Diaphragm Valves for high purity applications

Type 2031/3231

Dimensions [mm]

Dimensions Manual Valves Type 3231 with valve body BS O.D. tubing

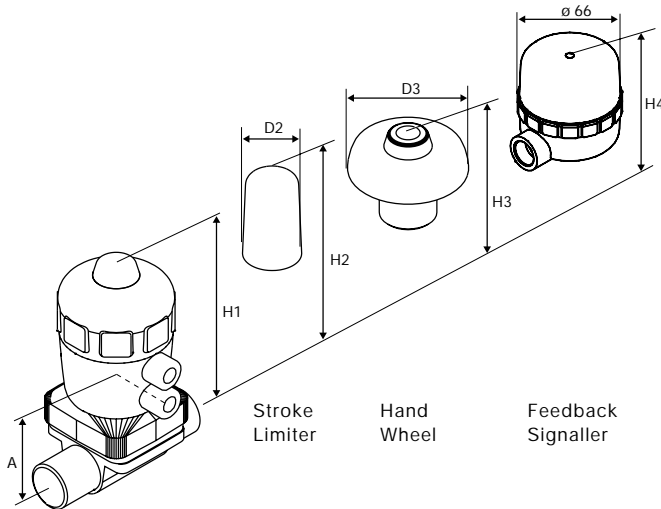


Dimensions [mm]

DN	A	H2	S*	L1	L2	L3	D1	D2	D3	[kg]
8.0	8.1	65.0	1.65	90.0	-	-	6.35	-	-	0.317
15.0	11.2	95.0	1.65	110.0	89.0	89.0	12.7	25.4	-	0.680
20.0	16.0	113.0	1.65	119.0	102.0	102.0	19.1	25.4	-	1.088
25.0	18.0	125.0	1.65	129.0	114.0	114.0	25.4	50.8	37.1	1.678
40.0	26.9	160.0	1.65	161.0	140.0	140.0	38.1	50.8	50.5	3.809
50.0	33.0	180.0	1.65	192.0	159.0	159.0	50.8	63.5	64.3	5.397

*Butt weld end only.

Dimensions Accessories Actuated Valve Type 2031



Dimensions [mm]

DN	Actuator Size [mm]	A	H1	H2	H3	H4	øD2	øD3
8.0	40	29	85	-	-	-	36	80
15.0	50	44	118	168	174	177	36	80
15.0	63	43	135	185	191	194	36	80
20.0	63	54	146	196	202	205	36	80
20.0	80	62	172	222	228	231	36	80
25.0	63	63	155	205	211	214	36	80
25.0	80	65	175	225	231	234	36	80
40.0	100	85	232	305	302	288	53	150
40.0	125	93	271	344	341	327	53	150
50.0	100	96	243	316	313	299	53	150
50.0	125	99	277	350	347	333	53	150

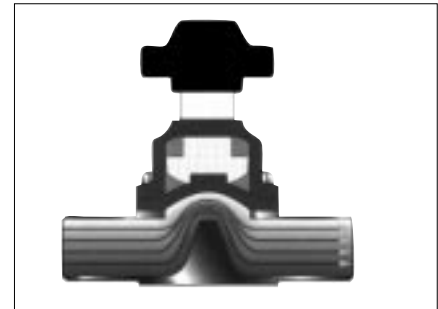
Control connection:

DN 8.0 > G 1/8

DN 15.0 ... DN 50.0 > G 1/4

Installation

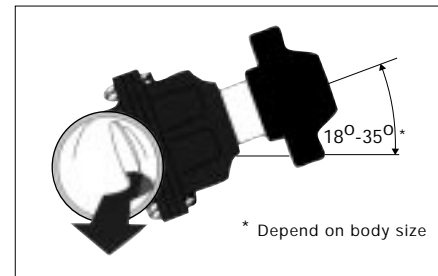
Flow paths shaped for purity and performance



A streamlined flow path delivers low log drag and turbulence for smooth flow characteristics.

The Burkert design also allows access to the valve internals without removing the body from the line. Bodies may be welded in place for purity while still allowing for diaphragm or actuator replacement or maintenance.

Conversion from manual to powered actuator, or vice versa, is easily accomplished because of our top mount design.



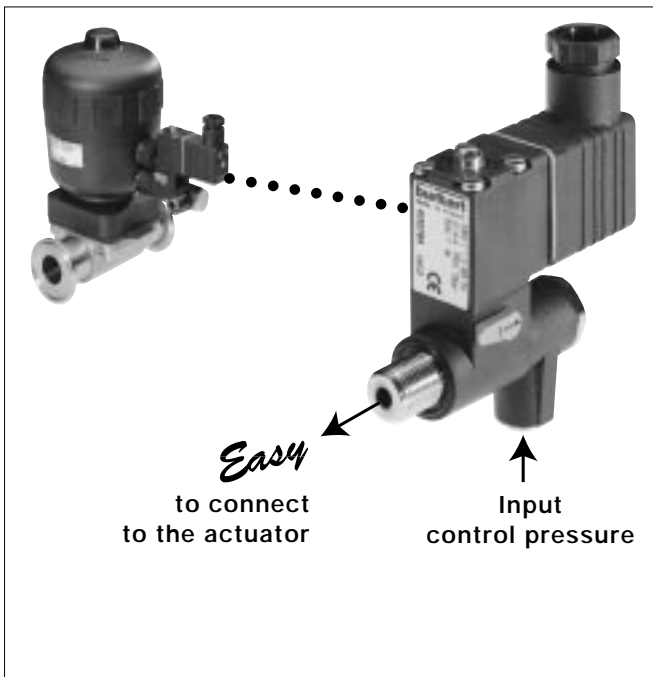
* Depend on body size

When positioned as illustrated, Burkert valve bodies are self-draining. These are also the ideal characteristics for CIP operations; a must for the purity required in pharmaceutical, biotech, food and cosmetic processing.

Aseptic Diaphragm Valves for high purity applications

Type 2031/3231

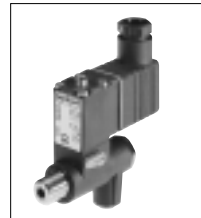
Banjo-Pilot Valves for Powered Actuator



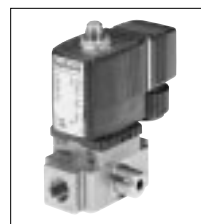
Banjo-Pilot Valve with
cable plug type 2506, form C.
DN 1.2; PN 0-10 bar,
for actuator $\varnothing 40 \dots \varnothing 125$.




Banjo-Pilot Valve with
cable plug type 2507, form B.
DN 1.2; PN 0-10 bar,
for actuator $\varnothing 40 \dots \varnothing 125$.





Banjo-Pilot Valve with
cable plug type 2508, form A.
DN 1.5-2.0; PN 0-10 bar,
for actuator $\varnothing 80 \dots \varnothing 125$.



Ordering Chart Banjo-Pilot Valves¹⁾

	Port connection		Orifice [mm]	Pressure Range [bar]	Body-material	Seal-material	Cable-plug Form	ITEM - NO.			
	(P)	(A)						Voltage / Frequency [V/Hz]			
								24/=	24/50-60	110/50	230/50
	SL 6	G 1/8	1.2	0-10	PA	NBR	C	425 299 Y	425 300 D	428 570 E	425 304 V
	G 1/8	G 1/8	1.2	0-10	PA	NBR	C	429 112 Q	429 113 R	429 115 K	429 117 M
	SL 6	G 1/4	1.2	0-10	PA	NBR	C	425 285 J	425 286 K	428 569 H	425 290 T
	G 1/4	G 1/4	1.2	0-10	PA	NBR	C	429 126 N	429 127 P	429 128 Y	429 129 Z

	Port connection		Orifice [mm]	Pressure Range [bar]	Body-material	Seal-material	Cable-plug Form	ITEM - NO.			
	(P)	(A)						Voltage / Frequency [V/Hz]			
								24/=	24/50-60	110/50	230/50
	SL 6	G 1/8	1.2	0-10	PA	NBR	B	425 292 R	425 293 J	428 575 X	425 297 N
	G 1/8	G 1/8	1.2	0-10	PA	NBR	B	429 104 Z	429 105 S	429 107 U	429 108 E
	SL 6	G 1/4	1.2	0-10	PA	NBR	B	425 278 A	425 279 B	428 574 W	425 283 Q
	G 1/4	G 1/4	1.2	0-10	PA	NBR	B	429 102 X	429 103 Y	429 106 T	429 108 D

	Port connection		Orifice [mm]	Pressure Range [bar]	Body-material	Seal-material	Cable-plug Form	ITEM - NO.			
	(P)	(A)						Voltage / Frequency [V/Hz]			
								24/=	24/50	110/50	230/50
	G 1/4	G 1/4	1.5	0- 6	PA	FPM	A	424 118 R	424 119 J	424 121 C	424 122 D
	G 1/4	G 1/4	2.0	0-10	Brass	FPM	A	424 103 K	424 104 L	424 106 N	424 107 P

¹⁾ Extended standard range see data sheet Banjo-Valves

Combination valve size / actuator size / diaphragm with max. operating pressure

Orifice size [mm]	Actuator size [ømm]	Diaphragm Material	Max. operating pressure [bar]			Kv-Value [m ³ /h]	Weight ²⁾ [kg]
			Control Function				
			A	B	I		
8.0	40	Elastomere ¹⁾	10.0	10.0	10.0	1.4	0.39
8.0	40	PTFE	7.0	7.0	7.0	1.4	0.39
15.0	50	Elastomere ¹⁾	9.0	9.0	9.0	6.5	0.69
15.0	50	PTFE	-	-	-	-	-
15.0	63	Elastomere ¹⁾	10.0	10.0	10.0	6.5	1.00
15.0	63	PTFE	10.0	10.0	10.0	6.5	1.00
20.0	63	Elastomere ¹⁾	8.0	8.0	8.0	8.5	1.30
20.0	63	PTFE	-	-	-	-	-
20.0	80	Elastomere ¹⁾	10.0	10.0	10.0	9.5	2.00
20.0	80	PTFE	10.0	10.0	10.0	9.5	2.00
25.0	63	Elastomere ¹⁾	-	3.5	-	13.0	1.60
25.0	63	PTFE	-	-	-	-	-
25.0	80	Elastomere ¹⁾	10.0	10.0	10.0	13.5	2.17
25.0	80	PTFE	8.0	8.0	8.0	13.5	2.17
40.0	100	Elastomere ¹⁾	6.5	6.5	6.5	36.0	4.16
40.0	100	PTFE	-	-	-	-	-
40.0	125	Elastomere ¹⁾	10.0	10.0	10.0	36.0	5.80
40.0	125	PTFE	10.0	10.0	10.0	36.0	5.80
50.0	100	Elastomere ¹⁾	-	5.0	-	50.0	6.00
50.0	100	PTFE	-	-	-	-	-
50.0	125	Elastomere ¹⁾	8.5	8.5	8.5	53.0	7.60
50.0	125	PTFE	7.0	7.0	7.0	53.0	7.60

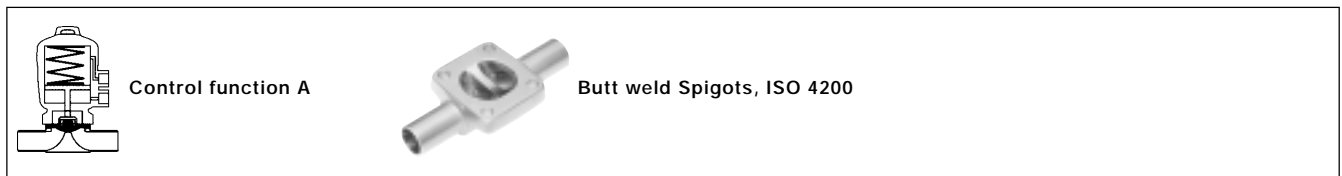
¹⁾ Elastomere: EPDM, FPM, CSM

²⁾ with actuator

Aseptic Diaphragm Valves for high purity applications

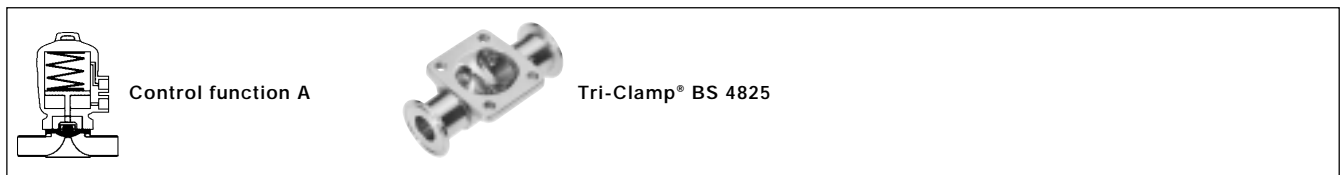
Type 2031/3231

Ordering Chart - Diaphragm Valve with Actuator (PPS)



Valve size DN [mm]	Actuator size [ømm]	Diaphragm Material	Connection size	ITEM - No. Surface finish: Ra ~ 0.6 µm / Ra ~ 1.6 µm	ITEM - No. Surface finish: Ra ~ 0.3 µm / Ra ~ 0.8 µm (electro-polished)
8.0	40	EPDM	13.5 x 1.6	131 508 T	428 196 L
8.0	40	PTFE/EPDM	13.5 x 1.6	131 509 U	429 556 V
15.0	63	EPDM	21.3 x 1.6	131 511 D	428 290 E
15.0	63	PTFE	21.3 x 1.6	131 512 E	428 293 V
20.0	63	EPDM	26.9 x 1.6	131 513 F	428 198 W
20.0	80	EPDM	26.9 x 1.6	131 514 G	428 291 T
20.0	80	PTFE	26.9 x 1.6	131 515 H	428 294 W
25.0	80	EPDM	33.7 x 2.0	131 516 A	428 199 X
25.0	80	PTFE	33.7 x 2.0	131 517 B	428 295 X
40.0	100	EPDM	48.3 x 2.0	131 520 J	428 200 L
40.0	125	EPDM	48.3 x 2.0	131 521 F	428 292 U
40.0	125	PTFE	48.3 x 2.0	131 522 G	428 296 Y
50.0	125	EPDM	60.3 x 2.0	131 523 H	428 201 H
50.0	125	PTFE	60.3 x 2.0	131 524 A	428 297 Z

On request: Control function B and I, PA-Actuator, FPM, CSM



Valve size DN [mm]	Actuator size [ømm]	Diaphragm Material	Connection size (int. ø)	ITEM - No. Surface finish: Ra ~ 0.6 µm / Ra ~ 1.6 µm	ITEM - No. Surface finish: Ra ~ 0.1 µm / Ra ~ 1.6 µm	ITEM - No. Surface finish: (electro-polished) Ra ~ 0.3 µm / Ra ~ 0.8 µm
15.0	63	EPDM	9.5	428 062 Y	428 119 W	428 299 A
15.0	63	PTFE	9.5	428 063 Z	428 126 M	428 235 S
20.0	63	EPDM	15.9	428 064 S	428 120 T	428 300 Q
20.0	80	EPDM	15.9	428 065 T	428 121 Q	428 301 D
20.0	80	PTFE	15.9	428 066 U	428 127 N	428 236 T
25.0	80	EPDM	22.2	428 067 V	428 122 R	428 302 E
25.0	80	PTFE	22.2	428 068 E	428 128 X	428 237 U
40.0	100	EPDM	34.9	428 069 F	428 123 J	428 303 F
40.0	125	EPDM	34.9	428 070 C	428 124 K	428 304 G
40.0	125	PTFE	34.9	428 071 Z	428 129 Y	428 238 D
50.0	125	EPDM	47.6	428 072 S	428 125 L	428 305 H
50.0	125	PTFE	47.6	428 073 T	428 130 V	428 239 E

On request: Control function B and I, PA-Actuator, FPM, CSM



On request: Control function B and I, PA-Actuator, FPM, CSM

Ordering Chart (Manual Valves)



Butt weld Spigots, ISO 4200

Valve size DN [mm]	Manual operated	Diaphragm Material	Connection size	ITEM - No. Surface finish: Ra ~ 0.6 µm / Ra ~ 1.6 µm	ITEM - No. Surface finish: Ra ~ 0.3 µm / Ra ~ 0.8 µm (electro-polished)
8.0		EPDM	13.5 x 1.6	428 108 C	429 561 S
8.0		PTFE/EPDM	13.5 x 1.6	428 212 T	429 562 T
15.0		EPDM	21.3 x 1.6	428 109 D	429 051 W
15.0		PTFE	21.3 x 1.6	428 213 U	429 052 X
20.0		EPDM	26.9 x 1.6	428 110 Z	429 053 Y
20.0		PTFE	26.9 x 1.6	428 214 V	429 054 Z
25.0		EPDM	33.7 x 2.0	428 111 N	429 055 S
25.0		PTFE	33.7 x 2.0	428 215 W	429 056 T
40.0		EPDM	48.3 x 2.0	428 113 Q	429 057 U
40.0		PTFE	48.3 x 2.0	428 217 Y	429 058 D
50.0		EPDM	60.3 x 2.0	428 114 R	429 059 E
50.0		PTFE	60.3 x 2.0	428 218 H	429 060 B

On request: FPM, CSM



Tri-Clamp® BS 4825

Valve size DN [mm]	Manual operated	Diaphragm Material	Connection size (int. ø)	ITEM - No. Surface finish: Ra ~ 0.6 µm / Ra ~ 1.6 µm	ITEM - No. Surface finish: Ra ~ 0.1 µm / Ra ~ 1.6 µm	ITEM - No. Surface finish: (electro-polished) Ra ~ 0.3 µm / Ra ~ 0.8 µm
15.0		EPDM	9.5	429 041 U	429 046 Z	429 061 Y
15.0		PTFE	9.5	428 154 Z	428 090 Z	429 062 Z
20.0		EPDM	15.9	429 042 V	429 047 S	429 063 S
20.0		PTFE	15.9	428 155 S	428 091 N	429 064 T
25.0		EPDM	22.2	429 043 W	429 048 B	429 065 U
25.0		PTFE	22.2	428 156 T	428 092 P	429 066 V
40.0		EPDM	34.9	429 044 X	429 049 C	429 067 W
40.0		PTFE	34.9	428 157 U	428 093 Q	429 068 F
50.0		EPDM	47.6	429 045 Y	429 050 H	429 069 G
50.0		PTFE	47.6	428 158 D	428 094 R	429 070 D

On request: FPM, CSM



Sterile threaded Spigots > on request

Continuous Control Valves

- Programmable flow curves:
 - linear, equal percentage
 - freely programmable via restart points
- No control air consumption in stabilized condition



- Integrated controller with parameter definable PID algorithm
- Automatic self-adjustment of basic parameters
- User-friendly operation, menu-guided

Easy Pressure Control
Flow Control
Temperature Control

***Easy* to commission**
Automatic self-adjustment of basic parameters by finger tip control

***Easy* to install**
Compact design
• Delivered pre-mounted, tested and ready to install
• Requires less space than conventional control valves

***Easy* to operate**
User-friendly operation
• LCD and key pad
• Menue guided access
• Programmable characteristic curves

***Easy* LINK**

Burkert control valve with Burkert digital flow transmitter for continuous process control.

Detail informations see data sheet: Diaphragm Valve System for Continuous Control, Type 2031 with Positioner



Improve your profitability with our customized system solutions

Valve Program

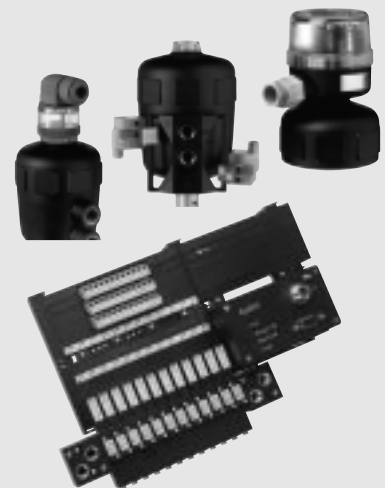


Sensor Program



Customized
System
Solutions

Accessories & Pneumatic



Burkert offers a wide range
of system solutions

- Flow Control
- Analytical Control
- Temperature Control
- Level Control
- Pressure Control



Please contact us for
more informations.