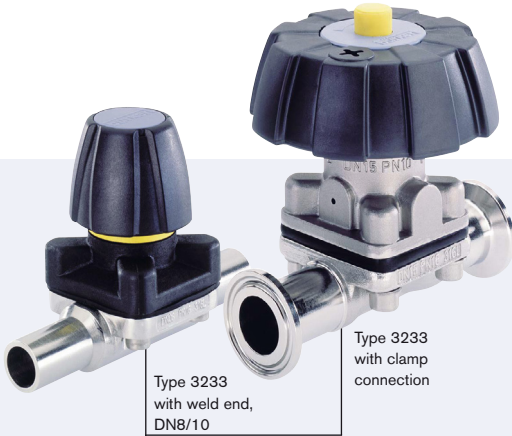


2-way Diaphragm Valve, cast valve body, weld end and clamp connection, port connection DN4-50



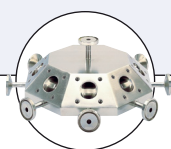
Type 3233 with weld end, DN8/10

Type 3233 with clamp connection

Type 3233 can be combined with...



Type 8034
Flow meter



Multi-Port Block



Type 3233/2031
Tandem valve

- Hermetical separation of fluids from the operating mechanism by diaphragm
- Zero dead volume
- Visual position indication
- Optional locking function (>DN15)
- Quality certifications

The 3233 manually-operated diaphragm valve in compact form consists of a flow-optimised cast stainless steel body with various surface finishes, a diaphragm and a manual actuator.

The material combinations are selectable. The diaphragm is both a switch element and a sealing element to the outside. It can be easily replaced. The flow can be continually adjusted with the manually actuator.

The valves have no dead volume and can be mounted to be self-draining. This enables high flow capacities and a variety of applications to be realized. The valves are autoclavable.

Applications

- Water treatment
- Pure water production
- Biotechnology
- Nutraceuticals

Technical data	
Port connection	DN4-50
Body material	Cast stainless steel 316 L/1.4435
Actuator materials Handwheel and bonnet	PPS, stainless steel
Seal materials	EPDM, PTFE/EPDM (advanced PTFE/EPDM, FKM on request)
Medium	Neutral gases and liquids, high purity, sterile, aggressive or abrasive fluids
Surface finish internal mechanical polished (external cast surface) internal electro polished (external cast surface electro polished) (further on request)	(average surface finish) Ra ≤ 0.8 µm Ra ≤ 0.6 µm
Medium pressure	0 up to 10 bar
Medium temperatures EPDM, PTFE/EPDM, advanced PTFE/EPDM (on request) ¹⁾ FKM on request	- 10 to + 130 °C (briefly up to + 150 °C for steam sterilisation) - 10 to + 130 °C
Ambient temperature	Up to + 130 °C Briefly up to + 150 °C
Port connections Weld end acc. Clamp acc. Sterile threaded ends and other ports	•EN ISO 1127/ISO 4200 •DIN 11850 •SMS 3008 •ASME BPE on request •ISO 2852/SMS 3017 •DIN 32676 •BS 4825 on request
Installation with self-draining operation	As required, preferably with actuator in upright position see drawing p. 2

1) Advanced PTFE/EPDM is recommended for sterilization cycle

Technical data, continued

K_v values and weight

Port connection		K _v value water [m ³ /h]	Max. operating pressure [bar]	Weight [kg]	
[mm]	[inch]			Handwheel PPS/ bonnet stainless steel	Handwheel and bonnet PPS
4/6	–	0.8	10	0.4	0.3
8	¼"	1.0	10	0.4	0.3
10	⅜"	1.0	10	0.4	0.3
15	½"	6.0	10	0.7	0.6
20	¾"	11.0	10	1.0	0.9
25	1"	16.0	10	1.8	1.6
32	1 ¼"	29.0	10	3.4	3.1
40	1 ½"	29.0	10	3.4	3.1
50	2"	50.0	7/10 ¹⁾	4.2	3.7

1) See ordering charts

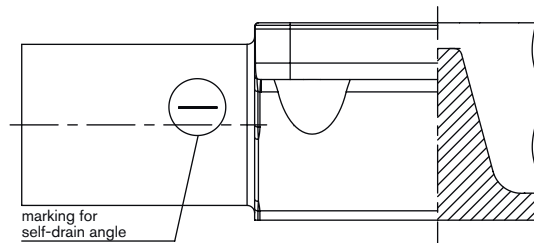
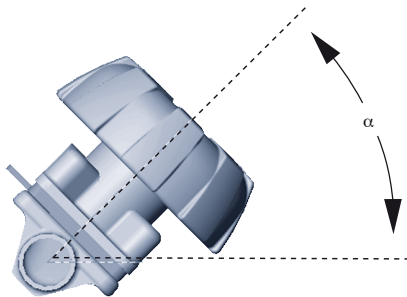
Flow rate: K_v value water (m³/h)

Measured at +20 °C, 1 bar pressure at valve inlet and free outlet.

Pressure values (bar)

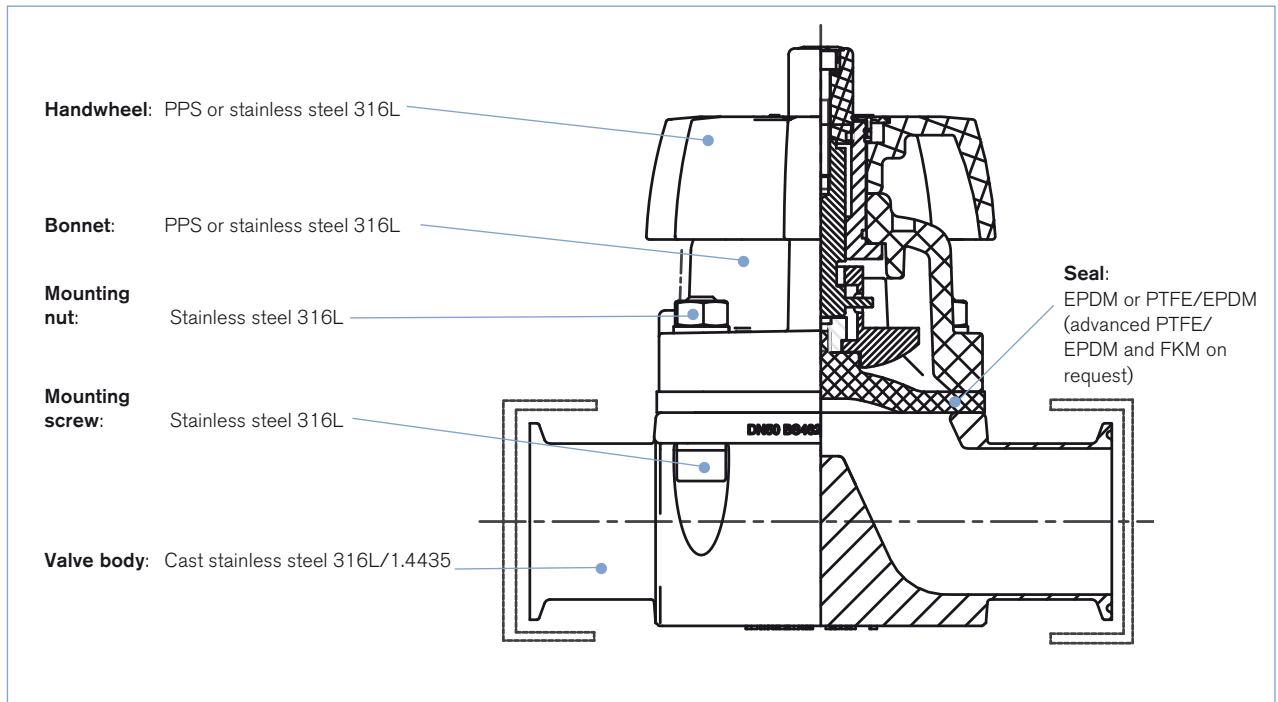
Gauge pressures with respect to the prevailing atmospheric pressure.

Installation for self-draining operation



$\alpha = 15$ up to 35° (Marking must face upwards, 12 o'clock position)
plus 1° to 5° inclination to the pipe axis.
Drain marks permanently marked on both sides of the valve body
show the correct mounting position to optimise drain ability.

Materials



Approvals

Suitable for foodstuffs / sterile applications



- The composition of the EPDM, PTFE/EPDM and advanced PTFE/EPDM diaphragms corresponds to the *Code of Federal Regulations*, published by the *FDA* (Food and Drug Administration, USA).




































































- 3-A approved diaphragm valves on request
(3-A Sanitary Standards Symbol Administrative Council)

- Approval according TA-air (Port connection DN4 - 50)

Ordering chart for valves (other versions on request)

Body with weld end, acc. EN ISO 1127/ISO 4200

	Port connection DN		Orifice (Diaphragm size) [mm]	External Ø [mm]	K _v value water [m ³ /h]	Max. operating pressure [bar]	Article no.	
	[mm]	[inch]					Mech. polished, Ra ≤ 0.8 µm	Electro polished, Ra ≤ 0.6 µm
Acc. EN ISO 1127/ ISO 4200, diaphragm material EPDM								
Handwheel PPS/bonnet PPS								
8		¼"	8	13.5	1.0	10	442147 	442148 
10		⅜"	8	17.2	1.0	10	442171 	442172 
15		½"	15	21.3	6.0	10	442270 	442271 
20		¾"	20	26.9	11.0	10	442309 	442310 
25		1"	25	33.7	16.0	10	442352 	442353 
32		1 ¼"	40	42.4	29.0	10	551965 	554966 
40		1 ½"	40	48.3	29.0	10	442410 	442411 
50		2"	50	60.3	50.0	7	442465 	442466 
Handwheel PPS/bonnet stainless steel								
8		¼"	8	13.5	1.0	10	440977 	440978 
10		⅜"	8	17.2	1.0	10	441015 	441016 
15		½"	15	21.3	6.0	10	441061 	441062 
20		¾"	20	26.9	11.0	10	441119 	441120 
25		1"	25	33.7	16.0	10	441173 	441174 
32		1 ¼"	40	42.4	29.0	10	554967 	554968 
40		1 ½"	40	48.3	29.0	10	440957 	440958 
50		2"	50	60.3	50.0	10	440961 	440962 
Acc. EN ISO 1127/ ISO 4200, diaphragm material PTFE/EPDM								
Handwheel PPS/bonnet PPS								
8		¼"	8	13.5	1.0	10	441810 	441811 
10		⅜"	8	17.2	1.0	10	441814 	441815 
15		½"	15	21.3	6.0	10	441818 	441819 
20		¾"	20	26.9	11.0	10	441822 	441823 
25		1"	25	33.7	16.0	10	441826 	441827 
32		1 ¼"	40	42.4	29.0	10	550767 	554969 
40		1 ½"	40	48.3	29.0	10	441830 	441831 
50		2"	50	60.3	50.0	7	441834 	441835 
Handwheel PPS/bonnet stainless steel								
8		¼"	8	13.5	1.0	10	441033 	441034 
10		⅜"	8	17.2	1.0	10	441091 	441092 
15		½"	15	21.3	6.0	10	441145 	441146 
20		¾"	20	26.9	11.0	10	440973 	440974 
25		1"	25	33.7	16.0	10	441011 	441012 
32		1 ¼"	40	42.4	29.0	10	554970 	554971 
40		1 ½"	40	48.3	29.0	10	441053 	441054 
50		2"	50	60.3	50.0	10	441111 	441112 

Port connection size equals the orifice diaphragm size except for port connection 32 mm. At port connection 32 mm the orifice diaphragm size equals 40 mm.

 Further versions on request


































































 **Port connection**
Sterile threaded ends

 **Material**
Seal: FKM, advanced PTFE/EPDM


 **Additional**
Locking function (not for DN8/10)

Ordering chart for valves (other versions on request)

Body with weld end, acc. DIN 11850 Series 0 and Series 2

	Port connection DN		Orifice (Diaphragm size) [mm]	External Ø [mm]	K _v value water [m ³ /h]	Max. operating pressure [bar]	Article no.	
	[mm]	[inch]					Mech. polished, Ra ≤ 0.8 µm	Electro polished, Ra ≤ 0.6 µm
Acc. DIN 11850 Series 0, diaphragm material EPDM								
Handwheel PPS/bonnet PPS								
	4	–	8	6.0	0.8	10	443785 	443786 
	6	–	8	8.0	0.8	10	443789 	443790 
Handwheel PPS/bonnet stainless steel								
	4	–	8	6.0	0.8	10	443801 	443802 
	6	–	8	8.0	0.8	10	443805 	443806 
Acc. DIN 11850 Series 0, diaphragm material PTFE/EPDM								
Handwheel PPS/bonnet PPS								
	4	–	8	6.0	0.8	10	443793 	443794 
	6	–	8	8.0	0.8	10	443797 	443798 
Handwheel PPS/bonnet stainless steel								
	4	–	8	6.0	0.8	10	443809 	443810 
	6	–	8	8.0	0.8	10	443813 	443814 
Acc. DIN 11850 Series 2, diaphragm material EPDM								
Handwheel PPS/bonnet PPS								
	10	3/8"	8	13.0	1.0	10	442163 	442164 
	15	1/2"	15	19.0	6.0	10	442262 	442263 
	20	3/4"	20	23.0	11.0	10	441305 	442302 
	25	1"	25	29.0	16.0	10	442344 	442345 
	40	1 1/2"	40	41.0	29.0	10	442402 	442403 
	50	2"	50	53.0	50.0	7	442457 	442458 
Handwheel PPS/bonnet stainless steel								
	10	3/8"	8	13.0	1.0	10	441108 	442109 
	15	1/2"	15	19.0	6.0	10	442124 	442125 
	20	3/4"	20	23.0	11.0	10	442018 	442071 
	25	1"	25	29.0	16.0	10	441719 	441720 
	40	1 1/2"	40	41.0	29.0	10	441642 	441643 
	50	2"	50	50.0	50.0	10	441622 	441623 
Acc. DIN 11850 Series 2, diaphragm material PTFE/EPDM								
Handwheel PPS/bonnet PPS								
	10	3/8"	8	13.0	1.0	10	441528 	441529 
	15	1/2"	15	19.0	6.0	10	441544 	441545 
	20	3/4"	20	23.0	11.0	10	441559 	441560 
	25	1"	25	29.0	16.0	10	441575 	441576 
	40	1 1/2"	40	41.0	29.0	10	441688 	441689 
	50	2"	50	50.0	50.0	7	441638 	441639 
Handwheel PPS/bonnet stainless steel								
	10	3/8"	8	13.0	1.0	10	441086 	441196 
	15	1/2"	15	19.0	6.0	10	441087 	441197 
	20	3/4"	20	23.0	11.0	10	441088 	441725 
	25	1"	25	29.0	16.0	10	441141 	441726 
	40	1 1/2"	40	41.0	29.0	10	441142 	441727 
	50	2"	50	50.0	50.0	10	441195 	441728 


























i Further versions on request
 **Port connection**
Sterile threaded ends

 **Material**
Seal: FKM, advanced PTFE/EPDM

 **Additional**
Locking function (not for DN8/10)

Ordering chart for valves (other versions on request)


































































Body with weld end, acc. SMS 3008

	Port connection DN		Orifice (Diaphragm size) [mm]	External Ø [mm]	K _v value water [m³/h]	Max. operating pressure [bar]	Article no.	
	[mm]	[inch]					Mech. polished, Ra ≤ 0.8 µm	Electro polished, Ra ≤ 0.6 µm
Acc. SMS 3008, diaphragm material EPDM								
Handwheel PPS/bonnet PPS								
	25	1"	25	25.0	16.0	10	442356 	442357 
	40	1 ½"	40	38.0	29.0	10	442414 	442415 
	50	2"	50	51.0	50.0	7	442469 	442470 
Handwheel PPS/bonnet stainless steel								
	25	1"	25	25.0	16.0	10	440965 	440966 
	40	1 ½"	40	38.0	29.0	10	440969 	440970 
	50	2"	50	51.0	50.0	10	440995 	440996 
Acc. SMS 3008, diaphragm material PTFE/EPDM								
Handwheel PPS/bonnet PPS								
	25	1"	25	25.0	16.0	10	441838 	441839 
	40	1 ½"	40	38.0	29.0	10	441842 	441843 
	50	2"	50	51.0	50.0	7	441846 	441847 
Handwheel PPS/bonnet stainless steel								
	25	1"	25	25.0	16.0	10	441165 	441166 
	40	1 ½"	40	38.0	29.0	10	441027 	441028 
	50	2"	50	51.0	50.0	10	441077 	441078 

i Further versions on request**Port connection**
Sterile threaded ends**Material**
Seal: FKM, advanced PTFE/EPDM**Additional**
Locking function (not for DN8/10)

Ordering chart for valves (other versions on request)

Body with clamp connection, acc. ISO 2852 - SMS 3017 and DIN 32676

	Port connection DN		Orifice (Diaphragm size) [mm]	External Ø [mm]	K _v value water [m ³ /h]	Max. operating pressure [bar]	Article no.	
	[mm]	[inch]					Mech. polished, Ra ≤ 0.8 µm	Electro polished, Ra ≤ 0.6 µm
Acc. ISO 2852 - SMS 3017, diaphragm material EPDM								
Handwheel PPS/bonnet PPS								
	25	1"	25	50.5	16	10	442372 	442373 
	40	1 1/2"	40	50.5	29	10	442430 	442431 
	50	2"	50	64.0	50	7	442485 	442486 
Handwheel PPS/bonnet stainless steel								
	25	1"	25	50.5	16	10	440999 	441000 
	40	1 1/2"	40	50.5	29	10	441003 	441004 
	50	2"	50	64.0	50	10	441007 	441008 
Acc. ISO 2852 - SMS 3017, diaphragm material PTFE/EPDM								
Handwheel PPS/bonnet PPS								
	25	1"	25	50.5	16	10	441850 	441851 
	40	1 1/2"	40	50.5	29	10	441854 	441855 
	50	2"	50	64.0	50	7	441858 	441859 
Handwheel PPS/bonnet stainless steel								
	25	1"	25	50.5	16	10	441135 	441136 
	40	1 1/2"	40	50.5	29	10	441189 	441190 
	50	2"	50	64.0	50	10	440985 	440986 
Acc. DIN 32676, diaphragm material EPDM								
Handwheel PPS/bonnet PPS								
	15	1/2"	15	34.0	6.0	10	442282 	442283 
	20	3/4"	20	34.0	11.0	10	442321 	442322 
	25	1"	25	50.5	16.0	10	442368 	442369 
	40	1 1/2"	40	50.5	29.0	10	442426 	442427 
	50	2"	50	64.0	50.0	7	442481 	442482 
Handwheel PPS/bonnet stainless steel								
	15	1/2"	15	34.0	6.0	10	441037 	441038 
	20	3/4"	20	34.0	11.0	10	441041 	441042 
	25	1"	25	50.5	16.0	10	441045 	441046 
	40	1 1/2"	40	50.5	29.0	10	441049 	441050 
	50	2"	50	64.0	50.0	10	441095 	441096 
Acc. DIN 32676, diaphragm material PTFE/EPDM								
Handwheel PPS/bonnet PPS								
	15	1/2"	15	34.0	6.0	10	441862 	441863 
	20	3/4"	20	34.0	11.0	10	442179 	442180 
	25	1"	25	50.5	16.0	10	442183 	442184 
	40	1 1/2"	40	50.5	29.0	10	442187 	442188 
	50	2"	50	64.0	50.0	7	442191 	442192 
Handwheel PPS/bonnet stainless steel								
	15	1/2"	15	34.0	6.0	10	441023 	441024 
	20	3/4"	20	34.0	11.0	10	441069 	441070 
	25	1"	25	50.5	16.0	10	441127 	441128 
	40	1 1/2"	40	50.5	29.0	10	441181 	441182 
	50	2"	50	64.0	50.0	10	440981 	440982 

i Further versions on request

Port connection
Sterile threaded ends




















































Material
Seal: FKM, advanced PTFE/EPDM



Additional
Locking function (not for DN8/10)

Ordering chart for valves (other versions on request)

Body with clamp connection, acc. BS 4825

	Port connection DN		Orifice (Diaphragm size) [mm]	External Ø [mm]	K _v value water [m ³ /h]	Max. operating pressure [bar]	Article no.	
	[mm]	[inch]					Mech. polished, Ra ≤ 0.8 µm	Electro polished, Ra ≤ 0.6 µm
Acc. BS 4825, diaphragm material EPDM								
Handwheel PPS/bonnet PPS								
	8	¼"	8	25.0	1.0	10	442235 	442236 
	10	⅜"	8	25.0	1.0	10	442243 	442244 
	15	½"	15	25.0	6.0	10	442325 	442326 
	25	1"	25	50.5	16.0	10	442376 	442377 
	40	1 ½"	40	50.5	29.0	10	442434 	442435 
	50	2"	50	64.0	50.0	7	442489 	442490 
Handwheel PPS/bonnet stainless steel								
	8	¼"	8	25.0	1.0	10	441099 	441100 
	10	⅜"	8	25.0	1.0	10	441103 	441104 
	15	½"	15	25.0	6.0	10	441107 	441108 
	25	1"	25	50.5	16.0	10	441149 	441150 
	40	1 ½"	40	50.5	29.0	10	441153 	441154 
	50	2"	50	64.0	50.0	10	441157 	441158 
Acc. BS 4825, diaphragm material PTFE/EPDM								
Handwheel PPS/bonnet PPS								
	8	¼"	8	25.0	1.0	10	442195 	442196 
	10	⅜"	8	25.0	1.0	10	442199 	442200 
	15	½"	15	25.0	6.0	10	442203 	442204 
	25	1"	25	50.5	16.0	10	442207 	442208 
	40	1 ½"	40	50.5	29.0	10	442211 	442212 
	50	2"	50	64.0	50.0	7	442215 	442216 
Handwheel PPS/bonnet stainless steel								
	8	¼"	8	25.0	1.0	10	441019 	441020 
	10	⅜"	8	25.0	1.0	10	441065 	441066 
	15	½"	15	25.0	6.0	10	441123 	441124 
	25	1"	25	50.5	16.0	10	441177 	441178 
	40	1 ½"	40	50.5	29.0	10	441057 	441058 
	50	2"	50	64.0	50.0	10	441115 	441116 

 Further versions on request

Port connection
Sterile threaded ends



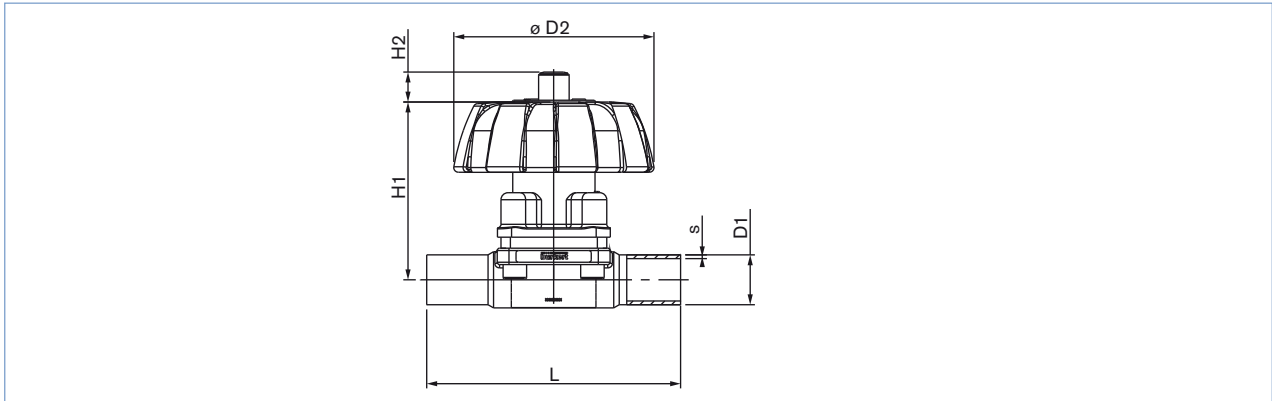
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Seal: FKM, advanced
PTFE/EPDM



Additional
Locking function (not for DN8/10)

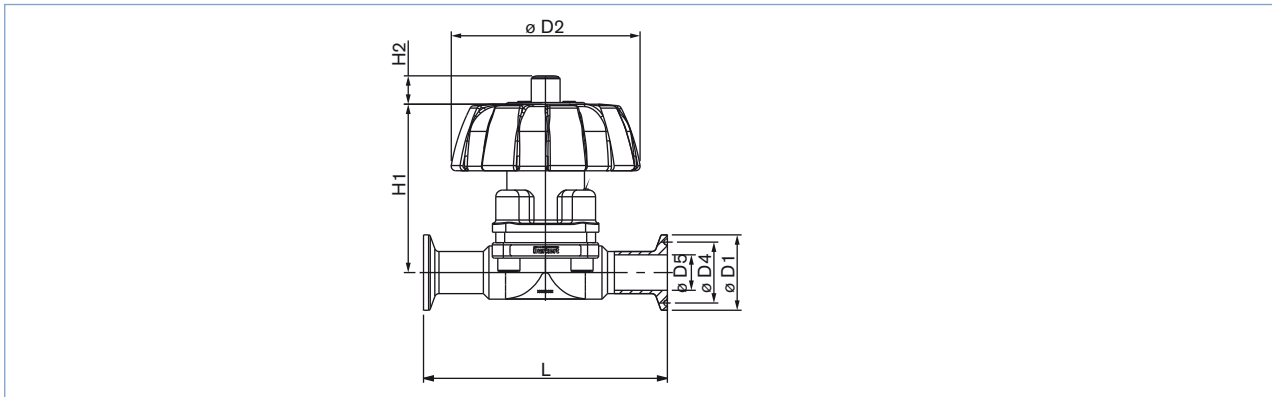
Dimensions [mm]

Body with weld end



Port connection		ØD2	H1	H2	L	EN ISO 1127 / ISO 4200		DIN 11850 Serie 0		Serie 2		SMS 3008	
[mm]	[inch]					ØD1	s	ØD1	s	ØD1	s	ØD1	s
4	–	35.0	56.0	–	90.0	–	–	6.0	1.0	–	–	–	–
6	–	35.0	56.0	–	90.0	–	–	8.0	1.0	–	–	–	–
8	¼"	35.0	56.0	–	90.0	13.5	1.6	–	–	–	–	–	–
10	⅜"	35.0	56.0	–	90.0	17.2	1.6	–	–	13.0	1.5	–	–
15	½"	80.0	85.0	7.0	110.0	21.3	1.6	–	–	19.0	1.5	–	–
20	¾"	80.0	93.0	11.0	119.0	26.9	1.6	–	–	23.0	1.5	–	–
25	1"	80.0	94.0	12.0	129.0	33.7	2.0	–	–	29.0	1.5	25.0	1.2
32	1 ¼"	114.0	116.0	19.0	161.0	42.4	2.0	–	–	–	–	38.0	1.2
40	1 ½"	114.0	116.0	19.0	161.0	48.3	2.0	–	–	41.0	1.5	38.0	1.2
50	2"	114.0	133.0	25.0	192.0	60.3	2.0	–	–	53.0	1.5	51.0	1.2

Body with clamp connection



Port connection		ØD2	H1	H2	ISO 2852 – SMS 3017				DIN 32676				BS 4825			
[mm]	[inch]				ØD1	ØD4	ØD5	L	ØD1	ØD4	ØD5	L	ØD1	ØD4	ØD5	
8	¼"	35.0	56.0	–	–	–	–	–	–	–	–	–	89.0	25.0	20.22	7.1
10	⅜"	35.0	56.0	–	–	–	–	–	–	–	–	–	89.0	25.0	20.22	10.3
15	½"	80.0	85.0	7.0	–	–	–	–	110.0	34.0	27.5	16.0	102.0	25.0	20.22	16.7
20	¾"	80.0	93.0	11.0	–	–	–	–	119.0	34.0	27.5	20.0	–	–	20.22	–
25	1"	80.0	94.0	12.0	129.0	50.5	43.5	22.6	129.0	50.5	43.5	26.0	114.0	50.5	43.5	22.2
40	1 ½"	114.0	116.0	19.0	161.0	50.5	43.5	35.6	161.0	50.5	43.5	38.0	140.0	50.5	43.5	34.9
50	2"	114.0	133.0	25.0	192.0	64.0	56.5	48.6	192.0	64.0	56.5	50.0	159.0	64.0	56.5	47.6

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

Diaphragm valves – 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

<input checked="" type="checkbox"/> Process medium	<input type="text"/>		
<input checked="" type="checkbox"/> Type of media	<input type="checkbox"/> Liquid	<input type="checkbox"/> Steam	<input type="checkbox"/> Gas
<input checked="" type="checkbox"/> Flow rate (Q, Q _N , W) ¹⁾	<input type="text"/> nominal	<input type="text"/> unit	
<input checked="" type="checkbox"/> Temperature at valve inlet	<input type="text"/>	<input type="text"/>	
<input checked="" type="checkbox"/> Absolute pressure at valve inlet	<input type="text"/>	<input type="text"/>	
<input type="checkbox"/> Steam sterilisation	temperature	<input type="text"/>	

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

Valve features

Specification key

automatically transferred from next page

3233-2-0

Surface finish (if not standard)

internal μm external μm

Certifications

- Attestation of compliance with the order EN-ISO 10204 2.1 (Article no. 440 788)
- Test report EN-ISO 10204 2.2 (Article no. 803 722)
- Certification of Conformity for Raw Material EN-ISO 10204 3.1 (Article no. 803 723)
- Certification of Conformity for the Surface Quality DIN4762-DIN4768-ISO/4287/1
- Certification of Conformity for Pickling and Electropolishing Processes
- FDA and USP compliance
- 3 A certificate

Comment / sketch

DTS 1000011005 EN Version: O Status: RL (released | freigegeben | validé) printed: 01.02.2018

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

Valve features

Example

15 AB VG SA40 D050 NO16

Specification key

Input fields for specification key corresponding to the example code.

ORIFICE (Diaphragm size) [mm]

08
15
20
25
40
50

VARIABLE CODES

Surface finish internal	
NO06	Mechanical polished Ra=0.8 µm
NO16	Electro polished Ra=0.6 µm

Standard

ACTUATOR VERSION

D050	Top and handwheel PPS
D051	Top stainless steel, handwheel PPS
D052	Top and handwheel stainless steel

SEAL MATERIAL

AB	EPDM in food quality
EA	PTFE
FF	FKM
EU	advanced PTFE/EPDM in two pieces

BODY MATERIAL

Standard	VG	Cast stainless steel 316L/1.4435
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PORT CONNECTION

Weld end

Port connection DN [mm]	EN ISO 1127/ ISO 4200	SMS 3008	DIN 11850				BS 4825	ASME BPE	JIS Sanitary	JIS Utility
			Reihe 0	Series 1	Series 2					
4			SC40=6 × 1.0							
6			SC41=8 × 1.0							
8	SA40=13.5 × 1.6		SC42=10 × 1.0			SODB=6.35 × 1.2	SA90=6.35 × 0.89	SA70=13.8 × 1.65		
10	SA41=17.2 × 1.6			SF40=12 × 1.0	SD40=13 × 1.5	SODC=9.53 × 1.2	SA91=9.53 × 0.89	SA71=17.3 × 1.65		
15	SA42=21.3 × 1.6			SF41=18 × 1.0	SD42=19 × 1.5	SODD=12.7 × 1.2	SA92=12.7 × 1.65	SA72=21.7 × 2.1		
20	SA43=26.9 × 1.6			SF42=22 × 1.0	SD43=23 × 1.5	SODE=19.05 × 1.2	SA93=19.05 × 1.65	SA76=27.2 × 2.1	SA80=27.2 × 2.1	
25	SA44=33.7 × 2.0	SA60=25.0 × 1.2		SF43=28 × 1.0	SD44=29 × 1.5	SODF=25.4 × 1.65	SODF=25.4 × 1.65	SA73=25.4 × 1.2	SA81=34 × 2.0	
32	SA45=42.4 × 2.0			SF44=34 × 1.0	SD45=35 × 1.5				SA83=42.7 × 2.0	
40	SA46=48.3 × 2.0	SA62=38.0 × 1.2		SF45=40 × 1.0	SD46=41 × 1.5	SODH=38.1 × 1.65	SODH=38.1 × 1.65	SA74=38.1 × 1.2	SA84=60.5 × 2.0	
50	SA47=60.3 × 2.0	SA63=51.0 × 1.2		SF46=52 × 1.0	SD47=53 × 1.5	SODI=50.8 × 1.65	SODI=50.8 × 1.65	SA75=50.8 × 1.5		

Clamp

Port connection DN [mm]	ISO 2852 / SMS 3017	BS4825	DIN 32676
8	TC51=Clamp 34 - for tube ISO 4200	TG 41=Clamp 25 - Tube 9.53 × 1.2	
10	TC41=Clamp 34 - for tube ISO 4200	TH42=Clamp 25 - Tube 12.7 × 1.2	TD41=Clamp 34 - Tube 13 × 1.5
15	TC42=Clamp 34 - for tube ISO 4200	TH43=Clamp 25 - Tube 19.05 × 1.2	TD42=Clamp 34 - Tube 19 × 1.5
20	TC43=Clamp 50.5 - for tube ISO 4200		TD43=Clamp 34 - Tube 23 × 1.5
25	TC44=Clamp 50.5 - for tube ISO 4200	TG 44=Clamp 50.5 - Tube 25.4 × 1.65	TD44=Clamp 50.5 - Tube 29 × 1.5
40	TC46=Clamp 64 - for tube ISO 4200	TG 45=Clamp 50.5 - Tube 38.1 × 1.65	TD46=Clamp 50.5 - Tube 41 × 1.5
50	TC47=Clamp 77.5 - for tube ISO 4200	TG 46=Clamp 64 - Tube 50.8 × 1.65	TD47=Clamp 64 - Tube 53 × 1.5

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

Subject to alteration.
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