Bellow sampling valve

- For sampling in bioreactors and fermentation processes
- Quick open options are available
- Directly mountable on the tank side wall
- With integrated sampling port and SIP interface

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

Can be combined with

Type 8098
FLOWave SAW flowmeter

Type 2080
Pneumatically operated 2/2-way valve with bellows

Type 8652
AirLINE – the valve island optimised for process automation

Type 8036
Inline flowmeter with paddle wheel, ELEMENT design

Type description

The manually operated Type 3260 Bellows Sampling Valve consists of a manually operated quick-open/close mechanism, a bellow and depending on the version a multi-port valve body.

The quick opening/closing mechanism ensures the valve closes automatically when it is not manually operated and guarantees use under hygienic or aggressive ambient conditions.

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Visit product website

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1. General technical data

Product properties	
Dimensions	Further information can be found in chapter "4. Dimensions" on page 7.
Material	
Body (VH) [1.]	Stainless steel block 1.4435 accordding to DIN EN 10088 and 316L according to ASTM A479/ A479M
Standard surface quality	
Body (VH) [1.]	Internally mechanically polished: Ra ≤ 0.5 µm (NO14) (ASME BPE SF1) Internally electrically polished: Ra ≤ 0.38 µm (NO17) (ASME BPE SF4)
Nominal diameter (port connection)	8.0 mm
Medium data	
Operating medium	Neutral gases and fluids, highly purified, sterile, aggressive or abrasive mediums (see "3.1. Bürkert resistApp" on page 5)
Medium temperature	
PTFE (EE) [1.]	+ 10...+ 130 °C (steam sterilisation at + 130 °C for 60 min)
Process/Port connection & communication	
Port connections [2.] **for stainless steel body [3.]**	
Clamp connection [2.]	ASME BPE
Environment and installation	
Installation position	Further information can be found in the operating manual.
Ambient temperature: actuator (manual)	
Bellow sampling valve	+ 5...+ 90 °C

1.) This information is part of the product key.
2.) Further versions on request
3.) For standard variant

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2. Approvals and conformities

2.1. General notes

- The approvals and conformities listed below must be stated when making enquiries. This is the only way to ensure that the product complies with all required specifications.
- Not all available versions can be supplied with the below mentioned approvals or conformities.

2.2. Conformity

In accordance with the Declaration of conformity, the product is compliant with the EU Directives.

2.3. Standards

The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.

2.4. Explosion protection

<table>
<tr><th>Approval</th><th>Description</th></tr>
<tr><td>
</td><td>Optional: Explosion protection
As a category 2 device suitable for zone 1/21 and zone 2/22 (optional).

ATEX:
EPS 18 ATEX 2 008 X
II 2G Ex h IIC T4...T2 Gb
II 2D Ex h IIIC T135 °C...T300 °C Db

IECEx:
IECEx EPS 18.0007 X
Ex h IIC T4...T2 Gb
Ex h IIIC T135 °C...T300 °C Db

<table>
<tr><td>Temperature class</td><td>T2</td><td>T3</td><td>T4</td></tr>
<tr><td>Permissible surface temperature</td><td>+ 300 °C</td><td>+ 200 °C</td><td>+ 135 °C</td></tr>
<tr><td>Ambient temperature
Restrictions from the device</td><td>- 40...+ 80 °C</td><td>- 40...+ 80 °C</td><td>- 40...+ 80 °C</td></tr>
<tr><td>Maximum medium temperature
Restrictions from the device</td><td>+ 230 °C</td><td>+ 185 °C</td><td>+ 125 °C</td></tr>
</table>
</td></tr>
</table>

2.5. Foods and beverages/Hygiene

Conformity	Description
FDA	**FDA – Code of Federal Regulations** All wetted materials are compliant with the Code of Federal Regulations published by the FDA (Food and Drug Administration, USA) according to the manufacturer's declaration.
USP	**United States Pharmacopeial Convention (USP)** All wetted materials are biocompatible according to the manufacturer's declaration.

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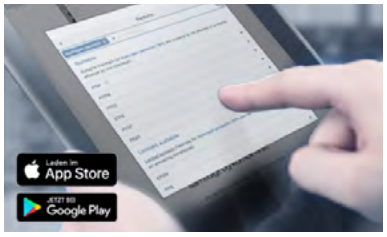
3. Materials

3.1. Bürkert resistApp



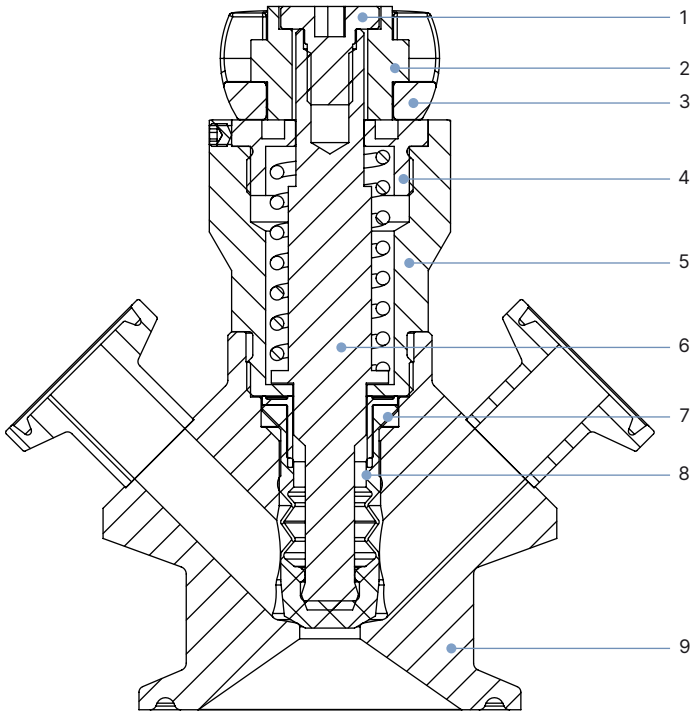
Bürkert resistApp – Chemical resistance chart

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:
The exemplary representation may differ from the actual product, depending on the body and interface options.



No.	Element	Material
1	Top screw	Stainless steel 304
2	Cap	Stainless steel 316L
3	Handle lever	Stainless steel 304
4	Cover	Stainless steel 316L
5	Body actuator	Stainless steel 316L
6	Spindle	Stainless steel 316L
7	Bushing	Stainless steel 316L
8	Bellows	PTFE (EE)
9	Valve body	Stainless steel 316L

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3.3. Available bellow materials

The bellows are designed to meet the unique challenges of hygienic and sterile requirements. Bürkert offers bellows with precise material composition and high accuracy. Bürkert bellows material has been tested and proven in applications in the food and beverage, biotechnology, pharmaceutical and cosmetics industries.

The bellows is tested during development and production to ensure reliability under difficult process conditions.

Bellows	Material
	• PTFE (EE)

3.4. Wearing part and tool

Tool	Description
	• Bellows SIMPLEX PTFE: ID 93141610 • Handle: ID 93141629 • Auxiliary tool: ID 93106811

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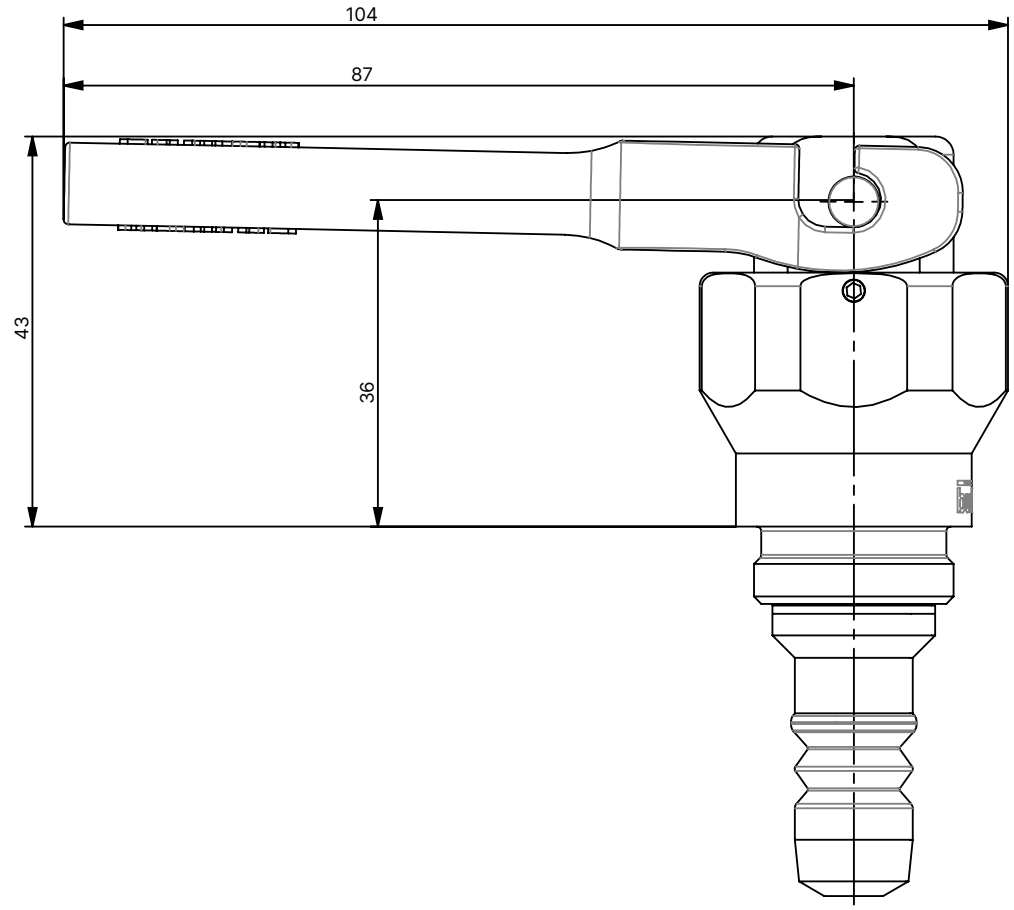
4. Dimensions

4.1. Actuator

Manual lever (D111)

Note:
Dimensions in mm



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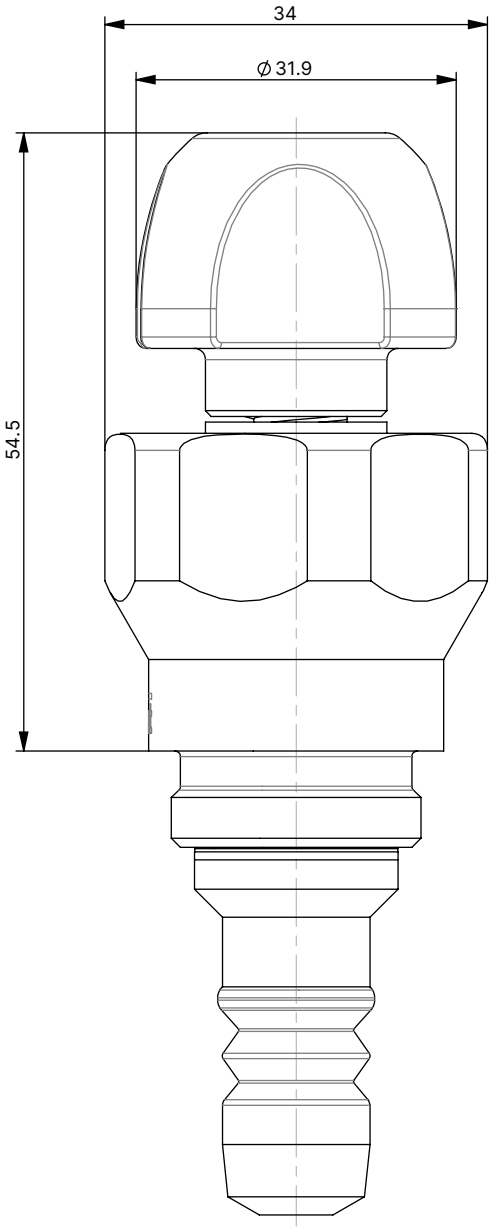
Handwheel SS (D110)

Note:
Dimensions in mm



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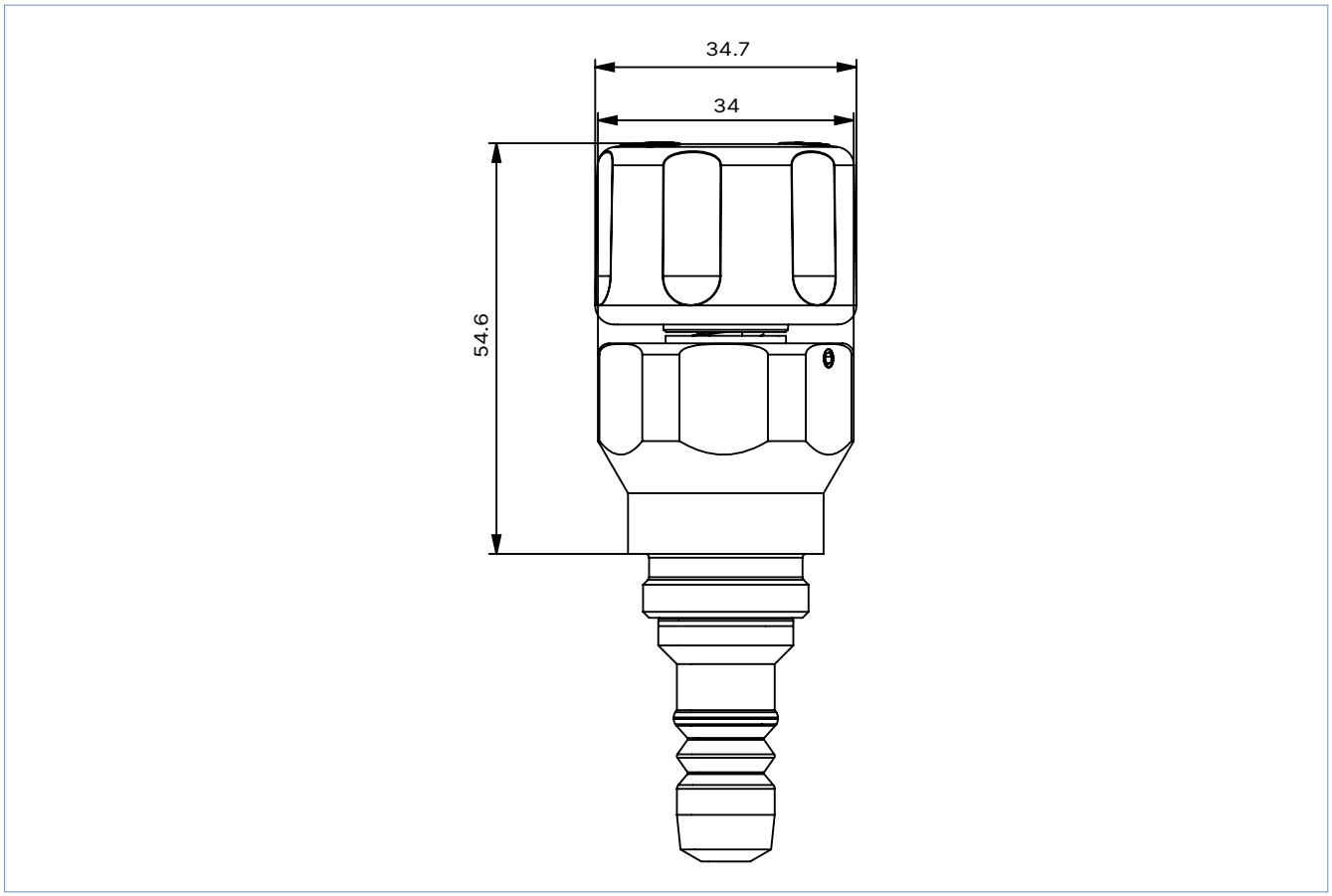
Handwheel PPS (D112)

Note:
Dimensions in mm



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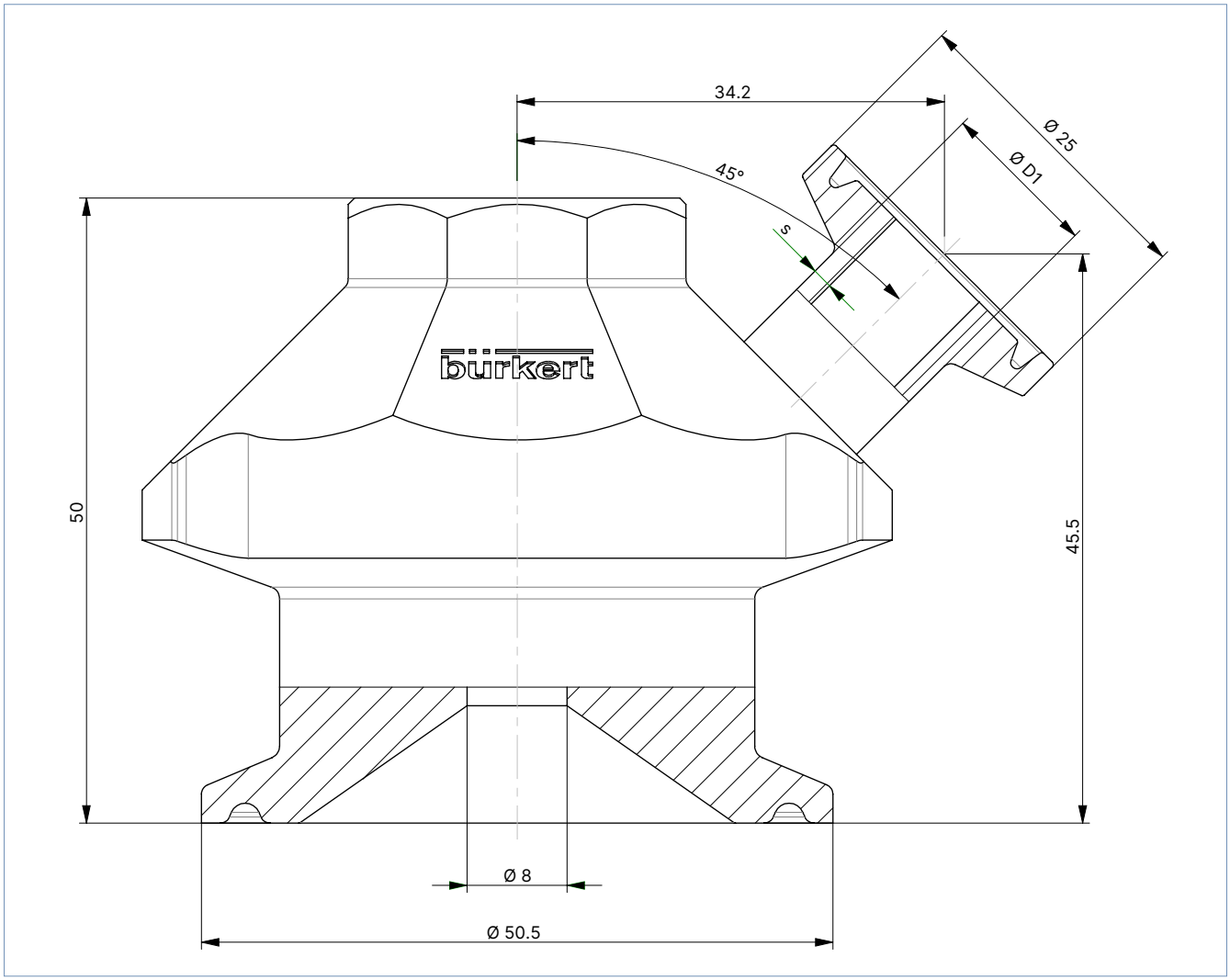
4.2. Body (VH) with clamp connection

Note:
Dimensions in mm



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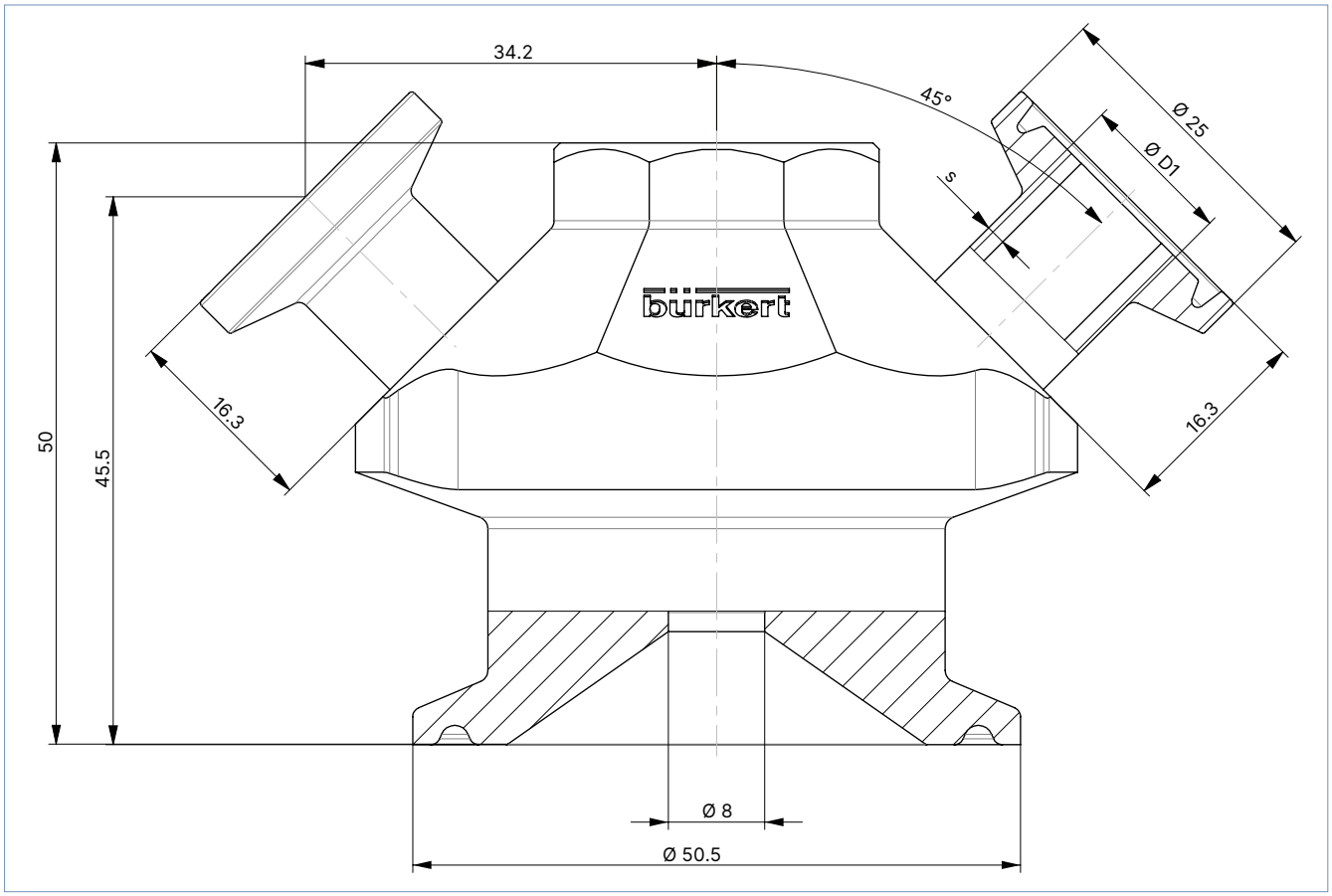

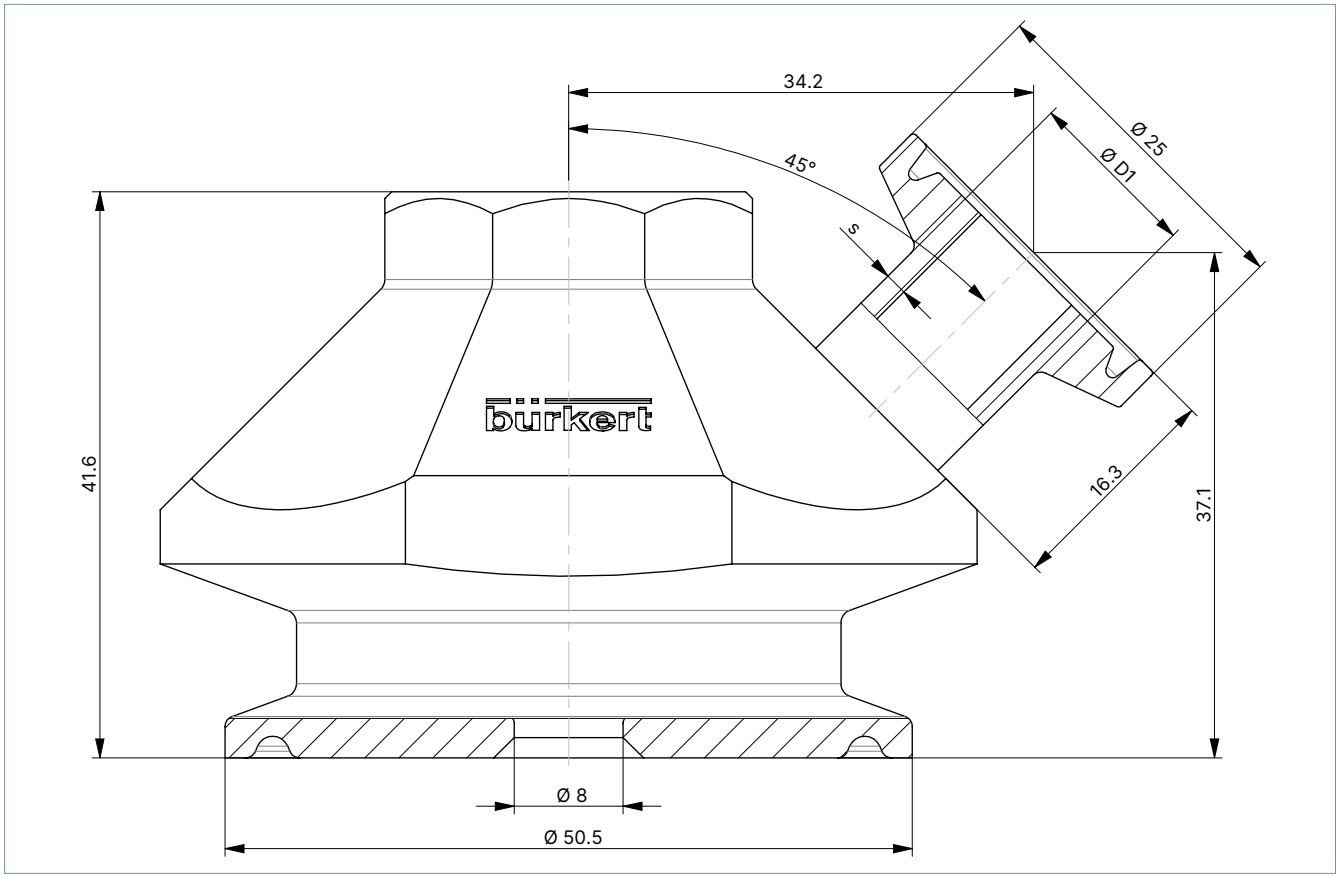

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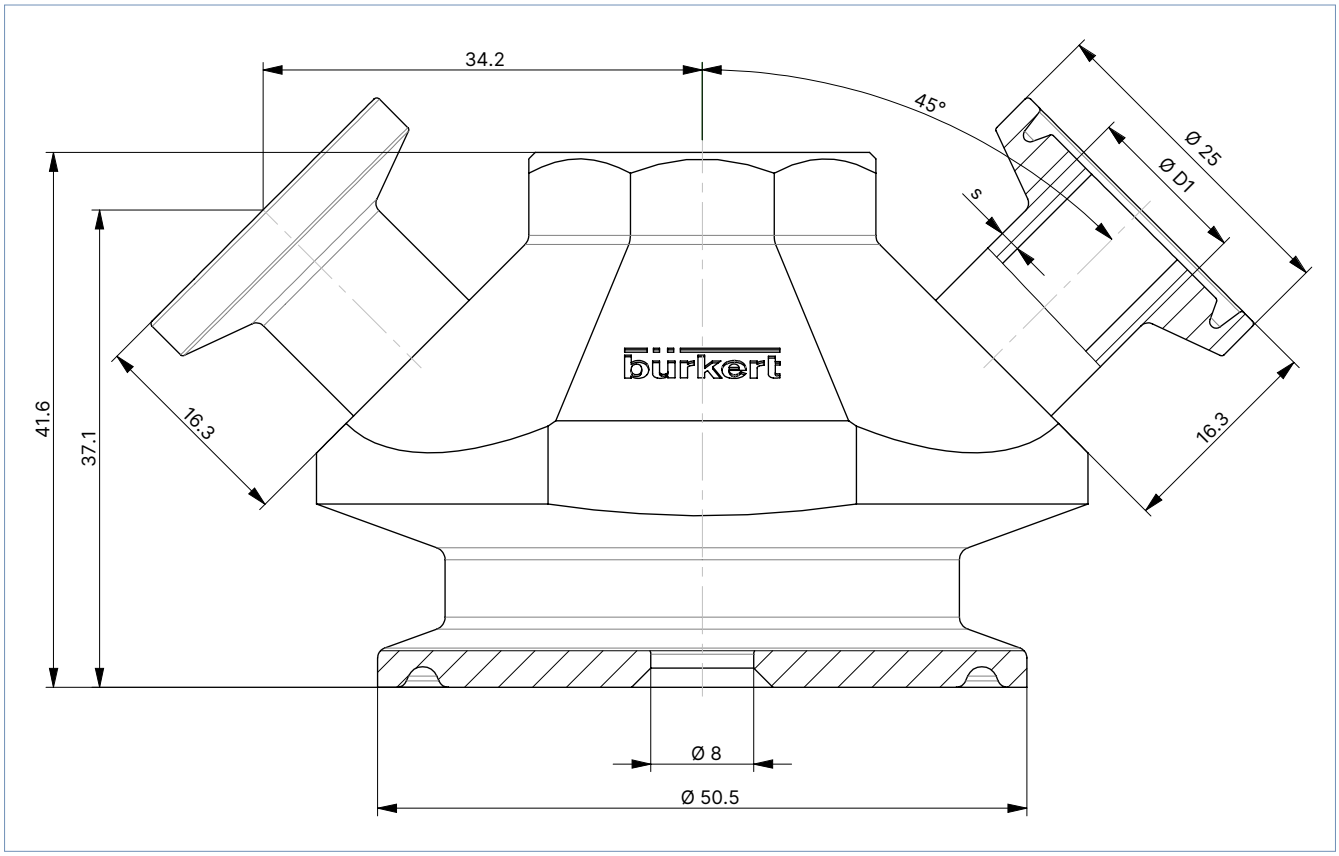

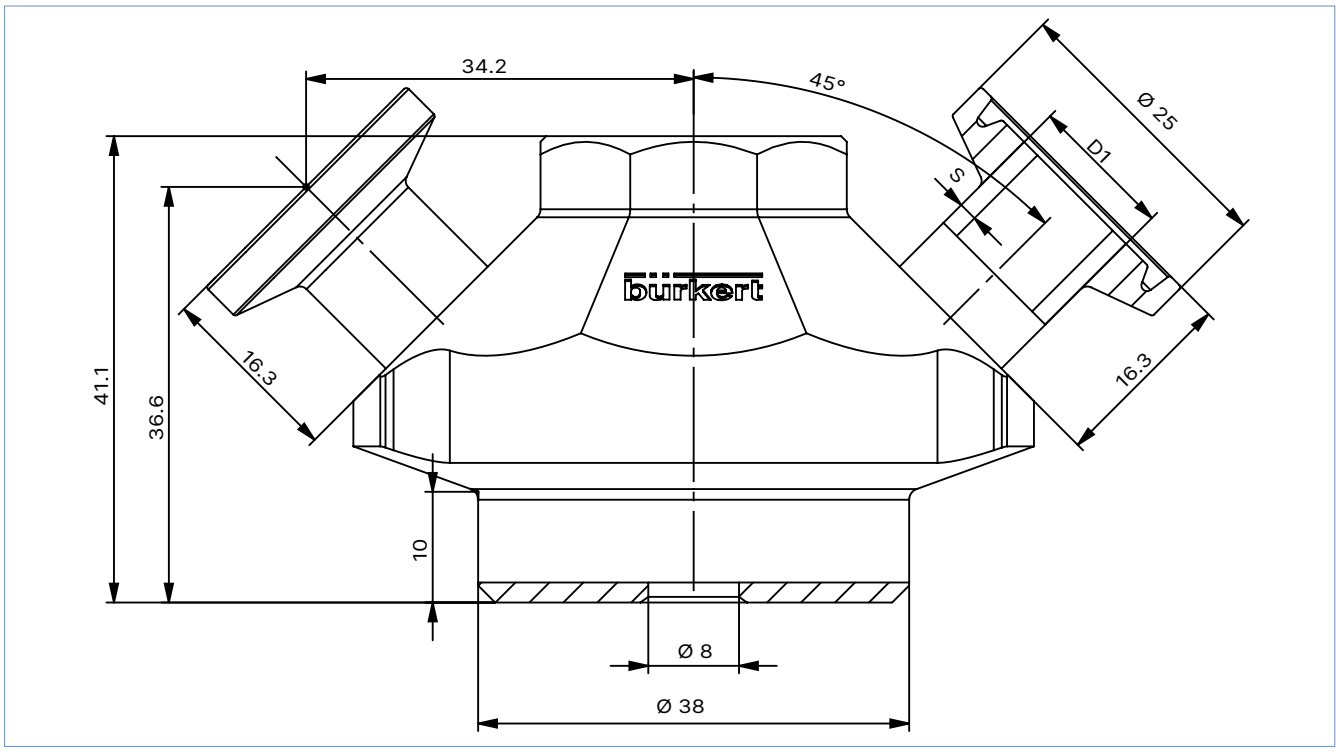

Ø D1	s
12.7	1.65

5. Performance specifications

Medium pressure

Bellows size	Actuator material	Operating pressure max. for seal material PTFE	
DN		Max. at 25 °C	Max. at 130 °C/60 min
		[bar]	[bar]
8	Stainless steel/stainless steel	6	2.4

6. Ordering information

6.1. 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

6.2. Bürkert product filter

Bürkert product filter – Get quickly to the right product

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

Try out our product filter

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6.3. Ordering chart

For tank

Description	Variable code	Article no.
3260-D110 - 08.0-EE-VH-TR02-TG02 - 0000	ME06+NK52+NO14	93208785
3260-D110 - 08.0-EE-VH-TR02-TG02 - 0000	ME06+NK52+NO17	93208786
3260-D110 - 08.0-EE-VH-TR02-TG02-TG02	ME06+NK52+NO14	93208787
3260-D110 - 08.0-EE-VH-TR02-TG02-TG02	ME06+NK52+NO17	93208788
3260-D111 - 08.0-EE-VH-TR02-TG02 - 0000	ME06+NK52+NO14	93208696
3260-D111 - 08.0-EE-VH-TR02-TG02 - 0000	ME06+NK52+NO17	93208697
3260-D111 - 08.0-EE-VH-TR02-TG02-TG02	ME06+NK52+NO14	93208698
3260-D111 - 08.0-EE-VH-TR02-TG02-TG02	ME06+NK52+NO17	93208699
3260-D112 - 08.0-EE-VH-TR02-TG02 - 0000	ME06+NK52+NO14	93219602
3260-D112 - 08.0-EE-VH-TR02-TG02 - 0000	ME06+NK52+NO17	93219603
3260-D112 - 08.0-EE-VH-TR02-TG02-TG02	ME06+NK52+NO14	93219604
3260-D112 - 08.0-EE-VH-TR02-TG02-TG02	ME06+NK52+NO17	93219605
3260-D110 - 08.0-EE-VH-SF23-TG02-TG02	NK52+NO14	93219613

For pipes

Description	Variable code	Article no.
3260-D111 - 08.0-EE-VH-TR02-TG02 - 0000	NK52+NO14	93147801
3260-D111 - 08.0-EE-VH-TR02-TG02-TG02	NK52+NO14	93147803
3260-D111 - 08.0-EE-VH-TR02-TG02 - 0000	NK52+NO17	93147844
3260-D111 - 08.0-EE-VH-TR02-TG02-TG02	NK52+NO17	93208600
3260-D110 - 08.0-EE-VH-TR02-TG02 - 0000	NK52+NO14	93147800
3260-D110 - 08.0-EE-VH-TR02-TG02-TG02	NK52+NO14	93147802
3260-D110 - 08.0-EE-VH-TR02-TG02 - 0000	NK52+NO17	93208601
3260-D110 - 08.0-EE-VH-TR02-TG02-TG02	NK52+NO17	93208602
3260-D112 - 08.0-EE-VH-TR02-TG02 - 0000	NK52+NO14	93219606
3260-D112 - 08.0-EE-VH-TR02-TG02 - 0000	NK52+NO17	93219607
3260-D112 - 08.0-EE-VH-TR02-TG02-TG02	NK52+NO14	93219608
3260-D112 - 08.0-EE-VH-TR02-TG02-TG02	NK52+NO17	93219609

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Explanation of the ordering key

Type	Actuator	Nominal diameter	Seal material	Body material	Port0	Port1	Port2	VAR1	+	VAR2	+	VAR3	+	VAR4
3260	- XXXX	- 08.0	- EE	- VH	- TR02	- TG02	- _0000	XXXX	+	XXXX	+	XXXX	+	XXXX
3260	- XXXX	- 08.0	- EE	- VH	- TR02	- XXXX	- XXXX	XXXX	+	XXXX	+	XXXX	+	XXXX

VARX
NK52 = 3.1 Certificate for body
NO14 = internal polished Ra<= 0.5 micrometer / Ra <= 20 microinch (ASME BPE SF 1)
NO17 = internal electrically polished Ra<= 0.38 micrometer / Ra <= 15 microinch (ASME BPE SF 4)
ME06 = long version

Port0 to Port2
TR02 = Clamp 50,5 acc DIN 32676 with internal diameter 8mm
TG02 = Clamp 25,0*12,7*1,65 according ASME BPPE
SF23 = Weld end 38*15

Body material
VH = Bloc material 1.4435 according to DIN EN10088 and 316L according to ASTM A479/A479M

Seal material EE= PTFE

Nominal diameter 08.0 = 8,0mm (5/16")

Actuator
D111 = manual lever
D110 = handwheel SS
D112 = handwheel PPS

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