

## Suction cup with connection VAS, VASB

**FESTO**



## Characteristics

### At a glance

- Sturdy and reliable
- Suction cups with fixed connecting thread
- 3 materials
- 11 diameters of suction cup with connector available
- 2 suction cup shapes: round (VAS), protective bellows (VASB)
- Vacuum port on top, on the side
- Screw-in thread

### Engineering tools

[Link](#)  [smart-vacuum](#)



Save time with engineering tools: Smart engineering for the optimal solution. Our goal is to increase your productivity. Our engineering tools play an integral part in achieving this goal. They help you size your system correctly, tap into unimagined productivity reserves and generate additional productivity along the entire value chain. In every phase of your project, from the initial contact to the modernisation of your machine, you will come across a number of different tools that will be of use to you.

The vacuum engineering tool provides you with a product recommendation based on your vacuum application requirements. After entering a number of parameters, the vacuum calculator recommends the Festo products required for an optimum solution.

### Diagrams

[Link](#)  [vas](#)



The diagrams shown in this document are also available online. These can be used to display precise values.

### Material

[PUR] Polyurethane

- Long service life
- Gentle treatment thanks to soft material

[SI] Silicone

- High temperature resistance
- Suitable for use in the food industry

[NBR] Nitrile rubber

- For universal use
- Also available for battery production (F1A) in suction cup sizes 8 to 55

### Special material properties

[F1A] Recommended for production plants for manufacturing lithium-ion batteries, F1A

Metals with copper, zinc or nickel as the main component are excluded from use. Exceptions are nickel in steels, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils

Application note: Foreign particles can adhere to the product or form during installation. Depending on the application, it may be necessary to purge the product with clean compressed air, to clean it after installation and to operate it with ducted exhaust air.

## Characteristics

### Application example



A large application area for vacuum technology is flexible automation:

- Lifting
- Equipping
- Moving
- Inserting
- Conveying
- Gripping
- Holding
- Stacking
- Clamping
- Transporting
- Repositioning
- Turning

## Suction cup with connection VAS, VASB

### Type code

001	Series
VAS	Suction cup complete
VASB	Suction cups with connection, protective bellows

002	Suction cup size
2	2 mm diameter
5	5 mm diameter
8	8 mm diameter
10	10 mm diameter
15	15 mm diameter
30	30 mm diameter
40	40 mm diameter
55	55 mm diameter
75	75 mm diameter
100	100 mm diameter
125	125 mm diameter

003	Vacuum port
G14	G1/4
G18	G1/8
G38	G3/8
M3	M3
M5	M5

004	Connection position
	Top
S	On the side

005	Material
PUR	Polyurethane
NBR	Nitrile rubber
SI	Silicone

006	Special material properties
	None
F1A	Recommended for production plants for manufacturing lithium-ion batteries, F1A

007	Generation
	Standard
B	B-series

## Datasheet

**Technical data – Suction cup with connection VAS-...-S-PUR-B, vacuum connection on the side**

Suction cup diameter	8 mm
Vacuum connection	M5
Position of connection	From the side
Nominal size	2 mm
Suction cup shape	Round, flat
Type of mounting	Via vacuum port
Mounting position	optional
Nominal operating pressure	-0.7 bar
Holding force at nominal operating pressure	2.8 N
Effective suction diameter	7.1 mm
Suction cup volume	0.095 cm <sup>3</sup>
Height compensator for suction cup	0.9 mm
Operating pressure	-0.95 ... 0 bar
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:-:]
Ambient temperature	-20 ... 60°C
Corrosion resistance class CRC <sup>1)</sup>	2 - Moderate corrosion stress
Shore hardness	60 +/- 5
Material suction cup	TPE-U(PU)
Material screwed plug	Brass
Note on materials	RoHS-compliant

1) More information: [www.festo.com/x/topic/crc](http://www.festo.com/x/topic/crc)**Technical data – Suction cup with connection VAS-...-NBR**

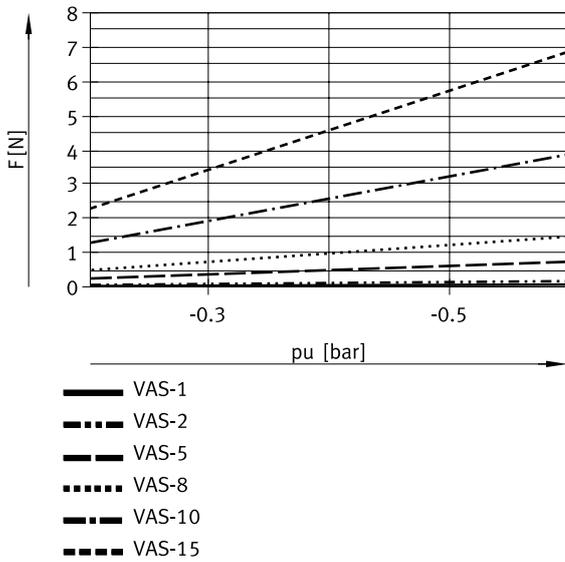
Suction cup diameter	2 mm	5 mm	8 mm	10 mm	15 mm	30 mm	40 mm	55 mm	75 mm	100 mm	125 mm
Vacuum connection	M3	M5			G1/8		G1/4				G3/8
Position of connection	Top										
Nominal size	1 mm	1.5 mm	2 mm		3 mm		4 mm				7 mm
Suction cup shape	Round, flat										
Type of mounting	Via vacuum port										
Mounting position	optional										
Nominal operating pressure	-0.7 bar										
Holding force at nominal operating pressure	0.14 N	0.9 N	1.6 N	4.5 N	7.9 N	34 N	56 N	106 N	197 N	397 N	606 N
Effective suction diameter	1.6 mm	4 mm	5.5 mm	9 mm	12 mm	25 mm	32 mm	44 mm	60 mm	85 mm	105 mm
Suction cup volume	0.03 cm <sup>3</sup>		0.095 cm <sup>3</sup>	0.12 cm <sup>3</sup>	0.328 cm <sup>3</sup>	1.29 cm <sup>3</sup>		3.47 cm <sup>3</sup>	8.01 cm <sup>3</sup>	33.5 cm <sup>3</sup>	79.1 cm <sup>3</sup>
Height compensator for suction cup	0.5 mm		0.9 mm	1.1 mm	1.2 mm	1.9 mm	3 mm	3.5 mm			6 mm
Operating pressure	-0.95 ... 0 bar										
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:-:]										
Ambient temperature	-20 ... 80°C										
Corrosion resistance class CRC <sup>1)</sup>	2 - Moderate corrosion stress										
Shore hardness	55 +/- 5		60 +/- 5			70 +/- 5					
Material suction cup	NBR										
Material screwed plug	High-alloy steel	Wrought aluminium alloy	Brass	Wrought aluminium alloy	Brass				Die-cast zinc		
Note on materials	RoHS-compliant										

1) More information: [www.festo.com/x/topic/crc](http://www.festo.com/x/topic/crc)

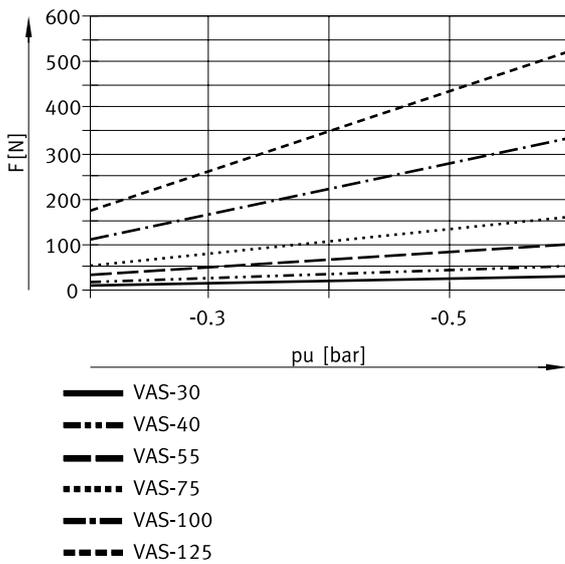
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Material suction cup	NBR
Material screwed plug	Wrought aluminium alloy
LABS (PWIS) conformity	VDMA24364-A1/A2-L

Datasheet

Theoretical suction force F as a function of vacuum pu - VAS-1 ... 15

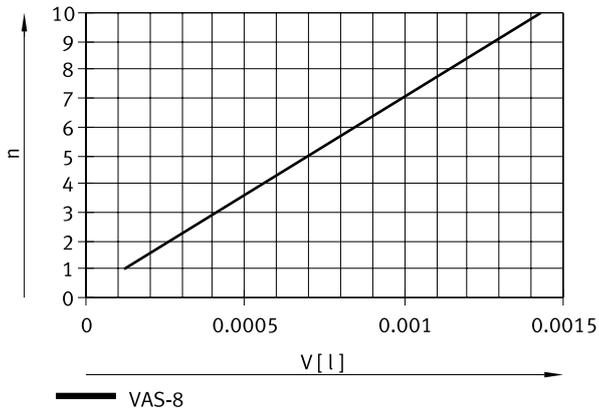


Theoretical suction force F as a function of vacuum pu - VAS-30 ... 125

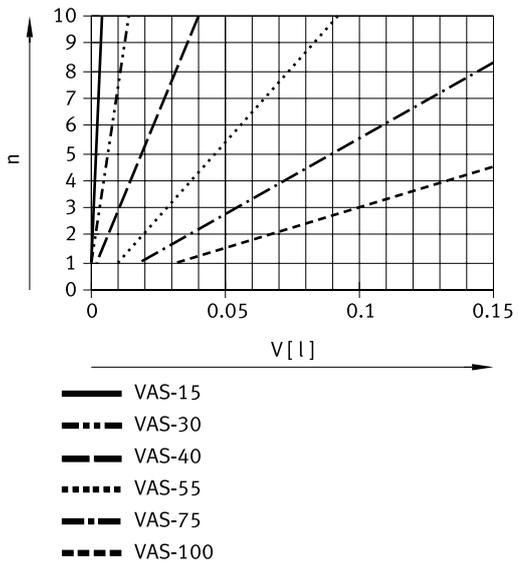


## Datasheet

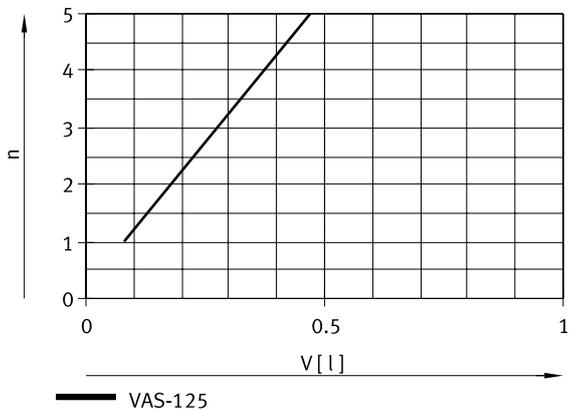
## Suction cup volume – VAS-8



## Suction cup volume – VAS-15 ... 100



## Suction cup volume – VAS-125



Datasheet

**General technical data – Suction cup with connection VAS-...-SI-B/PUR-B**

Suction cup diameter	8 mm	10 mm	15 mm	30 mm	40 mm	55 mm	75 mm	100 mm	125 mm
Vacuum connection	M5	G1/8		G1/4			G3/8		
Position of connection	Top								
Nominal size	2 mm		3 mm		4 mm			7 mm	
Suction cup shape	Round, flat								
Type of mounting	Via vacuum port								
Mounting position	optional								
Nominal operating pressure	-0.7 bar								
Holding force at nominal operating pressure	2.6 ... 2.8 N	3.7 ... 4 N	8.5 N	31 ... 34 N	58 ... 60 N	110 N	245 ... 250 N	450 ... 464 N	570 ... 700 N
Suction cup volume	0.095 cm <sup>3</sup>	0.12 cm <sup>3</sup>	0.228 ... 0.328 cm <sup>3</sup>	1.29 cm <sup>3</sup>	3.47 cm <sup>3</sup>	8.01 cm <sup>3</sup>	18.3 cm <sup>3</sup>	33.5 cm <sup>3</sup>	79.1 cm <sup>3</sup>
Height compensator for suction cup	0.9 mm	1.1 mm	1.2 mm	1.9 mm	3 mm	3.5 mm			6 mm
Operating pressure	-0.95 ... 0 bar								
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:-:-]								
Ambient temperature	-40 ... 200°C								
Suitable for use with food	See supplementary material information								
Corrosion resistance class CRC <sup>1)</sup>	2 - Moderate corrosion stress								
Shore hardness	60 +/- 5								
Material suction cup	PUR, VMQ (silicone)								
Material screwed plug	Wrought aluminium alloy, Brass				Wrought aluminium alloy, Die-cast zinc				
Note on materials	RoHS-compliant								

1) More information: [www.festo.com/x/topic/crc](http://www.festo.com/x/topic/crc)

**Technical data – Suction cup with connection VASB-...-NBR, protective bellows**

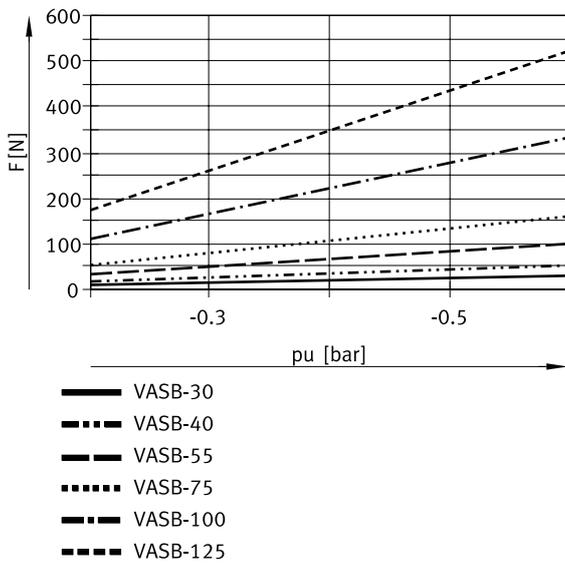
Suction cup diameter	8 mm	15 mm	30 mm	40 mm	55 mm	75 mm	100 mm	125 mm	
Vacuum connection	M5	G1/8		G1/4			G3/8		
Position of connection	Top								
Nominal size	2 mm		3 mm		4 mm			7 mm	
Suction cup shape	Round bellows 1.5 convolutions								
Type of mounting	Via vacuum port						-		Via vacuum port
Mounting position	optional						-		optional
Nominal operating pressure	-0.7 bar						-		-0.7 bar
Holding force at nominal operating pressure	1.6 N	7.9 N	34 N	56 N	106 N	197 N	397 N	606 N	
Effective suction diameter	5.5 mm	12 mm	25 mm	32 mm	44 mm	60 mm	85 mm	105 mm	
Suction cup volume	0.163 cm <sup>3</sup>	0.83 cm <sup>3</sup>	6.18 cm <sup>3</sup>	11.11 cm <sup>3</sup>	30.4 cm <sup>3</sup>	65.5 cm <sup>3</sup>	-	307 cm <sup>3</sup>	
Height compensator for suction cup	3.3 mm	5.6 mm	13.9 mm	13.7 mm	20 mm	15.5 mm	-	25 mm	
Operating pressure	-0.95 ... 0 bar						-		-0.95 ... 0 bar
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:-:-]								
Ambient temperature	-20 ... 80°C								
Corrosion resistance class CRC <sup>1)</sup>	2 - Moderate corrosion stress						-		2 - Moderate corrosion stress
Shore hardness	60 +/- 5								
Material suction cup	NBR								
Material screwed plug	Brass				Die-cast zinc				
Note on materials	RoHS-compliant								

1) More information: [www.festo.com/x/topic/crc](http://www.festo.com/x/topic/crc)

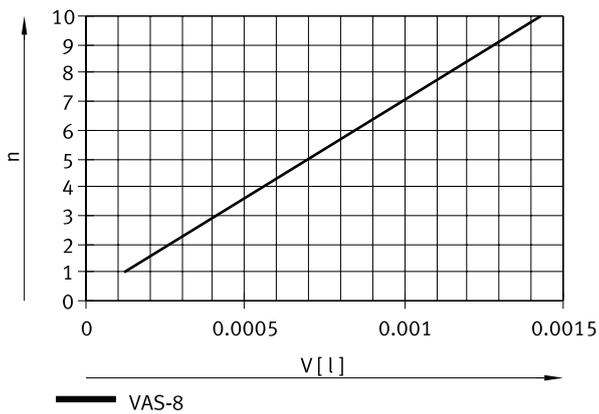
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Material suction cup	NBR
Material screwed plug	Wrought aluminium alloy
LABS (PWIS) conformity	VDMA24364-A1/A2-L

## Datasheet

## Theoretical suction force F as a function of vacuum pu – VASB-30 ... 125

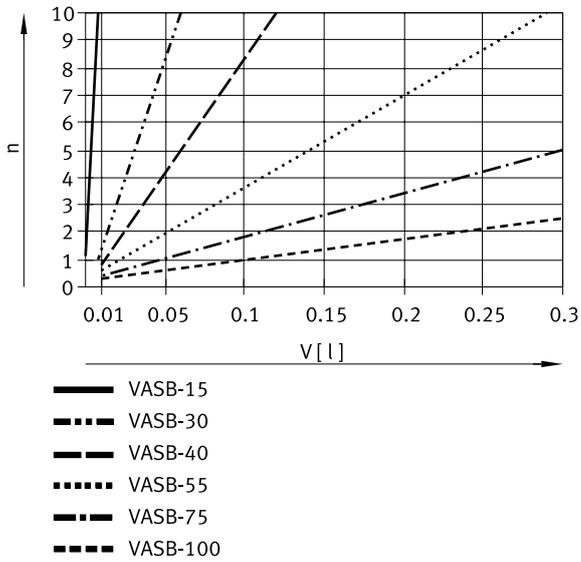


## Suction cup volume – VAS-8

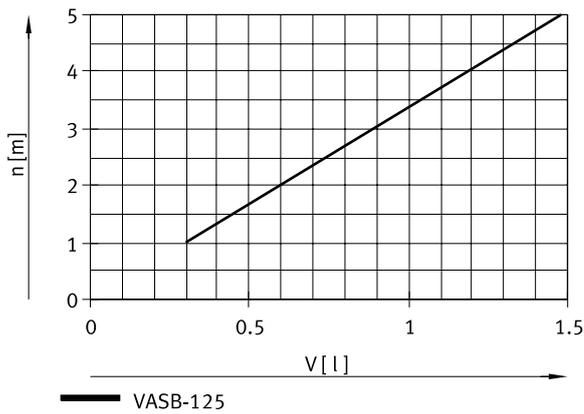


Datasheet

Suction cup volume – VASB-15 ... 100



Suction cup volume – VASB-125



## Datasheet

Technical data – Suction cup with connection VASB-...-SI-B, protective bellows								
Suction cup diameter	8 mm	15 mm	30 mm	40 mm	55 mm	75 mm	100 mm	125 mm
Vacuum connection	M5	G1/8	G1/4					G3/8
Position of connection	Top							
Nominal size	2 mm	3 mm	4 mm					7 mm
Suction cup shape	Round bellows 1.5 convolutions							
Type of mounting	Via vacuum port							
Mounting position	optional							
Nominal operating pressure	-0.7 bar							
Holding force at nominal operating pressure	2.6 N	8.5 N	25 N	58 N	110 N	228 N	395 N	610 N
Suction cup volume	0.163 cm <sup>3</sup>	0.83 cm <sup>3</sup>	6.18 cm <sup>3</sup>	11.11 cm <sup>3</sup>	30.4 cm <sup>3</sup>	65.5 cm <sup>3</sup>	128 cm <sup>3</sup>	307 cm <sup>3</sup>
Height compensator for suction cup	3.3 mm	5.6 mm	13.9 mm	13.7 mm	20 mm	15.5 mm	25 mm	
Operating pressure	-0.95 ... 0 bar							
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:-:-]							
Ambient temperature	-40 ... 200°C							
Suitable for use with food	See supplementary material information							
Corrosion resistance class CRC <sup>1)</sup>	2 - Moderate corrosion stress							
Shore hardness	60 +/- 5							
Material suction cup	VMQ (silicone)							
Material screwed plug	Wrought aluminium alloy							
Note on materials	RoHS-compliant							

1) More information: [www.festo.com/x/topic/crc](http://www.festo.com/x/topic/crc)

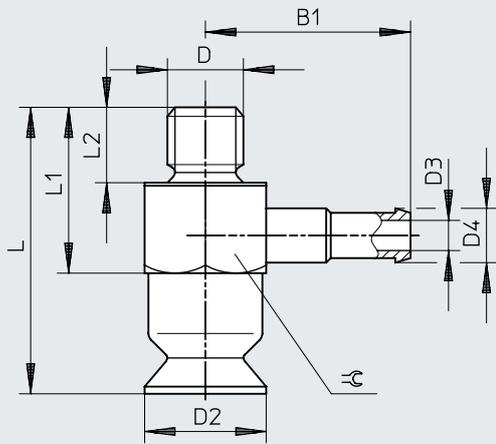
Technical data – Suction cup with connection VASB-...-PUR-B, protective bellows								
Suction cup diameter	8 mm	15 mm	30 mm	40 mm	55 mm	75 mm	100 mm	125 mm
Vacuum connection	M5	G1/8	G1/4					G3/8
Position of connection	Top							
Nominal size	2 mm	3 mm	4 mm					7 mm
Suction cup shape	Round bellows 1.5 convolutions							
Type of mounting	Via vacuum port							
Mounting position	optional							
Nominal operating pressure	-0.7 bar							
Holding force at nominal operating pressure	2.8 N	8.5 N	34 N	60 N	110 N	250 N	450 N	570 N
Suction cup volume	0.163 cm <sup>3</sup>	0.83 cm <sup>3</sup>	6.18 cm <sup>3</sup>	11.11 cm <sup>3</sup>	30.4 cm <sup>3</sup>	65.5 cm <sup>3</sup>	128 cm <sup>3</sup>	307 cm <sup>3</sup>
Height compensator for suction cup	3.3 mm	5.6 mm	13.9 mm	13.7 mm	20 mm	15.5 mm	25 mm	
Operating pressure	-0.95 ... 0 bar							
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:-:-]							
Ambient temperature	-20 ... 60°C							
Corrosion resistance class CRC <sup>1)</sup>	2 - Moderate corrosion stress							
Shore hardness	60 +/- 5							
Material suction cup	PUR							
Material screwed plug	Brass			Die-cast zinc				
Note on materials	RoHS-compliant							

1) More information: [www.festo.com/x/topic/crc](http://www.festo.com/x/topic/crc)

## Dimensions

Dimensions – Dimensions – Suction cup with connector VAS-...-S-PUR-B, vacuum connection on the side

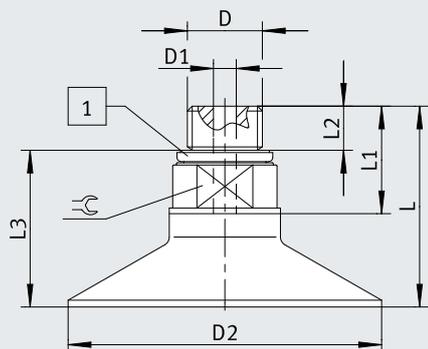
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	B1	D	D2 ∅	D3 ∅	D4 ∅	L	L1	L2 -0,1	⌀
VAS-8-...-S-PUR-B	13,5	M5	8	2	3,6	19	11,5	5	8

## Dimensions

Dimensions – Dimensions – Suction cup with connector VAS-...-NBR

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[2] VAS-5/10: sealing ring OK; VAS-8/15 ... 125: sealing ring OL

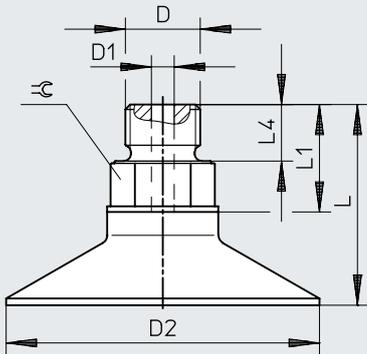
	D	D1 ∅	D2 ∅	L	L1	L2	L3	⊕
VAS-2-...-NBR <sup>1)</sup>	M3	1	2	9,4	5,4	3,3	6,1	4,5
VAS-5-...-NBR	M5	2	5	16,5	10	3,8	12,7	8
VAS-8-...-NBR	M5	2	8	19,2	11,5	2,8	16,2	8
VAS-10-...-NBR	M5	2	10	19,2	11,5	3,8	15,4	8
VAS-15-...-NBR	G1/8	3	15	20,2	12	4,8	15,4	13
VAS-30-...-NBR	G1/8	3	30	21,5	12	4,8	16,7	13
VAS-40-...-NBR	G1/4	4	40	30,5	17	5,8	24,7	17
VAS-55-...-NBR	G1/4	4	55	32,5	17	5,8	26,7	17
VAS-75-...-NBR	G1/4	4	75	28	17	5,8	22,2	17
VAS-100-...-NBR	G1/4	4	100	28	17	5,8	22,2	17
VAS-125-...-NBR	G3/8	7	125	36	20	6,05	29,95	19

1) Sealing ring is not included in the scope of delivery.

## Dimensions

Dimensions – Dimensions – Suction cup VAS-...-SI-B

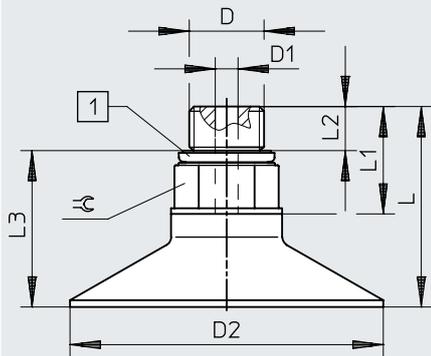
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	D	D1 ∅	D2 ∅	L	L1	L4	☉
VAS-8-...-SI-B	M5	2	8	19,2	11,5	4,3	8
VAS-10-...-SI-B	M5	2	10	19,2	11,5	4,3	8
VAS-15-...-SI-B	G1/8	3	15	20	12	6,5	13
VAS-30-...-SI-B	G1/8	3	30	21,5	12	6,5	13
VAS-40-...-SI-B	G1/4	4	40	30,5	17	8	17
VAS-55-...-SI-B	G1/4	4	55	33,5	17	8	17
VAS-75-...-SI-B	G1/4	4	75	28,2	17	8	17
VAS-100-...-SI-B	G1/4	4	100	28	17	8	17
VAS-125-...-SI-B	G3/8	7	125	36	20	12	19

## Dimensions

Dimensions – Dimensions – Suction cup with connector VAS-...-PUR-B

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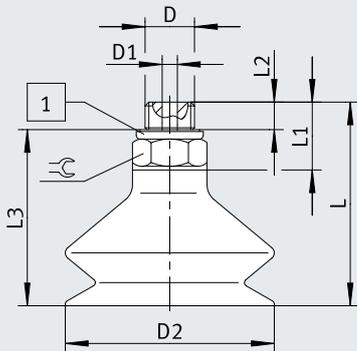
[1] Sealing ring

	D	D1 ∅	D2 ∅	L	L1	L2	L3	⌀
VAS-8-...-PUR-B	M5	2	8	19	11,3	2,85	16,15	8
VAS-10-...-PUR-B	M5	2	10	19,2	11,5	2,85	16,35	8
VAS-15-...-PUR-B	G1/8	3	15	20	12	4,7	15,3	13
VAS-30-...-PUR-B	G1/8	3	30	21,5	12	4,7	16,8	13
VAS-40-...-PUR-B	G1/4	4	40	29,5	17	5,8	23,7	17
VAS-55-...-PUR-B	G1/4	4	55	32,5	17	5,8	26,7	17
VAS-75-...-PUR-B	G1/4	4	75	28	17	5,8	22,2	17
VAS-100-...-PUR-B	G1/4	4	100	28	17	5,8	22,2	17
VAS-125-...-PUR-B	G3/8	7	125	36	20	6,45	29,55	19

## Dimensions

Dimensions – Dimensions – Suction cup with connector VASB-...-NBR, protective bellows

Download CAD data [www.festo.com](http://www.festo.com)

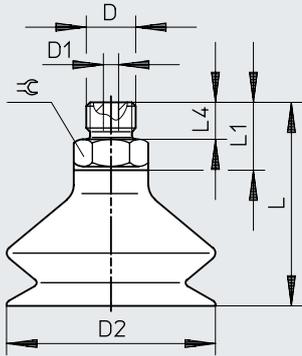


[1] Sealing ring O<sub>L</sub>

	D	D1 ∅	D2 ∅	L	L1	L2	L3	⊕
VASB-8-...-NBR	M5	2	8	22,7	11,5	2,8	19,9	8
VASB-15-...-NBR	G1/8	3	15	25	12	4,8	20,2	13
VASB-30-...-NBR	G1/8	3	30	34	12	4,8	29,2	13
VASB-40-...-NBR	G1/4	4	40	43	17	5,8	37,2	17
VASB-55-...-NBR	G1/4	4	55	52	17	5,8	46,2	17
VASB-75-...-NBR	G1/4	4	75	43,5	17	5,8	37,7	17
VASB-100-...-NBR	G1/4	4	100	44	17	5,8	38,2	17
VASB-125-...-NBR	G3/8	7	125	60	20	6	54	19

## Dimensions

Dimensions – Dimensions – Suction cup VASB-...-SI-B, protective bellows

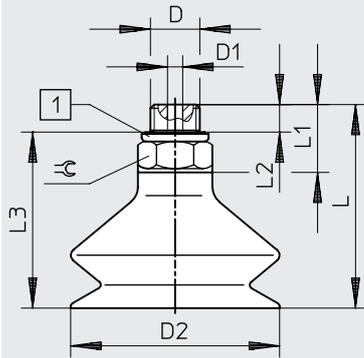
Download CAD data [www.festo.com](http://www.festo.com)

	D	D1 ∅	D2 ∅	L	L1	L4	⊕
VASB-8-...-SI-B	M5	2	8	22,5	11,5	4,3	8
VASB-15-...-SI-B	G1/8	3	15	25,5	12	6,5	13
VASB-30-...-SI-B	G1/8	3	30	34	12	6,5	13
VASB-40-...-SI-B	G1/4	4	40	43	17	8	17
VASB-55-...-SI-B	G1/4	4	55	52	17	8	17
VASB-75-...-SI-B	G1/4	4	75	43,7	14,2	8	17
VASB-100-...-SI-B	G1/4	4	100	43,7	14,2	8	17
VASB-125-...-SI-B	G3/8	7	125	60	16,4	9	19

## Dimensions

Dimensions – Dimensions – Vacuum cup VASB-...PUR-B, bellows

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[1] Sealing ring

	D	D1 ∅	D2 ∅	L	L1	L2	L3	☉
VASB-8-...-PUR-B	M5	2	8	22,5	11,5	3,55	18,95	8
VASB-15-...-PUR-B	G1/8	3	15	25,5	12	4,7	20,8	13
VASB-30-...-PUR-B	G1/8	3	30	34	12	4,7	29,3	13
VASB-40-...-PUR-B	G1/4	4	40	43	17	5,8	37,2	17
VASB-55-...-PUR-B	G1/4	4	55	52	17	5,8	46,2	17
VASB-75-...-PUR-B	G1/4	4	75	43,5	17	5,8	37,7	17
VASB-100-...-PUR-B	G1/4	4	100	43,5	17	5,8	37,7	17
VASB-125-...-PUR-B	G3/8	7	125	60	20	6	54	19

## Ordering data

Ordering data – Suction cup with connector VAS-...-S-PUR-B, vacuum connection on the side						
	Suction cup diameter	Vacuum connection	LABS (PWIS) conformity	Product weight	Part no.	Type
	8 mm	M5	VDMA24364-A1-L	4 g	<b>8025969</b>	<b>VAS-8-M5-S-PUR-B</b>

Ordering data – Suction cup with connector VAS-...-NBR						
	Suction cup diameter	Vacuum connection	LABS (PWIS) conformity	Product weight	Part no.	Type
	2 mm	M3	VDMA24364-A1-L	1 g	<b>173438</b>	<b>VAS-2-M3-NBR</b>
	5 mm	M5		2 g	<b>173439</b>	<b>VAS-5-M5-NBR</b>
	8 mm			4 g	<b>34588</b>	<b>VAS-8-M5-NBR</b>
	10 mm			3 g	<b>173440</b>	<b>VAS-10-M5-NBR</b>
	15 mm	G1/8		11 g	<b>36142</b>	<b>VAS-15-1/8-NBR</b>
	30 mm			13 g	<b>34587</b>	<b>VAS-30-1/8-NBR</b>
	40 mm	G1/4		26 g	<b>36143</b>	<b>VAS-40-1/4-NBR</b>
	55 mm			32 g	<b>36144</b>	<b>VAS-55-1/4-NBR</b>
	75 mm			76 g	<b>36145</b>	<b>VAS-75-1/4-NBR</b>
	100 mm			138 g	<b>34586</b>	<b>VAS-100-1/4-NBR</b>
	125 mm	G3/8		152 g	<b>152605</b>	<b>VAS-125-3/8-NBR</b>

Suction cup with connection VAS-...-NBR-F1A (for battery production)						
	Suction cup diameter	Vacuum connection	LABS (PWIS) conformity	Product weight	Part no.	Type
	8 mm	M5	VDMA24364-A1/A2-L	4 g	<b>8204239</b>	<b>VAS-8-M5-NBR-F1A</b>
	15 mm	G1/8		11 g	<b>8204259</b>	<b>VAS-15-1/8-NBR-F1A</b>
	30 mm			13 g	<b>8204260</b>	<b>VAS-30-1/8-NBR-F1A</b>
	40 mm	G1/4		26 g	<b>8204304</b>	<b>VAS-40-1/4-NBR-F1A</b>
	55 mm			32 g	<b>8204305</b>	<b>VAS-55-1/4-NBR-F1A</b>

Dimensions – Suction cup VAS-...-SI-B						
	Suction cup diameter	Vacuum connection	LABS (PWIS) conformity	Product weight	Part no.	Type
	8 mm	M5	VDMA24364 zone III	2 g	<b>1377781</b>	<b>VAS-8-M5-SI-B</b>
	10 mm				<b>1385610</b>	<b>VAS-10-M5-SI-B</b>
	15 mm	G1/8		4 g	<b>1376604</b>	<b>VAS-15-1/8-SI-B</b>
	30 mm			5 g	<b>1377752</b>	<b>VAS-30-1/8-SI-B</b>
	40 mm	G1/4		14 g	<b>1379454</b>	<b>VAS-40-1/4-SI-B</b>
	55 mm			19 g	<b>1379348</b>	<b>VAS-55-1/4-SI-B</b>
	75 mm			62 g	<b>1382165</b>	<b>VAS-75-1/4-SI-B</b>
	100 mm			116 g	<b>1386376</b>	<b>VAS-100-1/4-SI-B</b>
125 mm	G3/8	214 g	<b>1415120</b>	<b>VAS-125-3/8-SI-B</b>		

Dimensions – Suction cup with connector VAS-...-PUR-B						
	Suction cup diameter	Vacuum connection	LABS (PWIS) conformity	Product weight	Part no.	Type
	8 mm	M5	VDMA24364-A1-L	4 g	<b>1396086</b>	<b>VAS-8-M5-PUR-B</b>

## Suction cup with connection VAS, VASB

### Ordering data

#### Dimensions – Suction cup with connector VAS-...-PUR-B

	Suction cup diameter	Vacuum connection	LABS (PWIS) conformity	Product weight	Part no.	Type
	10 mm	M5	VDMA24364-A1-L	4 g	1469698	VAS-10-M5-PUR-B
	15 mm	G1/8		11 g	1396087	VAS-15-1/8-PUR-B
	30 mm	G1/4		12 g	1396090	VAS-30-1/8-PUR-B
	40 mm			26 g	1396092	VAS-40-1/4-PUR-B
	55 mm			30 g	1396095	VAS-55-1/4-PUR-B
	75 mm			77 g	1396096	VAS-75-1/4-PUR-B
	100 mm	G3/8		140 g	1396098	VAS-100-1/4-PUR-B
	125 mm			249 g	1396108	VAS-125-3/8-PUR-B

#### Ordering data – Suction cup with connector VASB-...-NBR, protective bellows

	Suction cup diameter	Vacuum connection	LABS (PWIS) conformity	Product weight	Part no.	Type	
	8 mm	M5	VDMA24364-A1-L	4 g	35410	VASB-8-M5-NBR	
	15 mm	G1/8		11 g	35411	VASB-15-1/8-NBR	
	30 mm	G1/4		15 g	35412	VASB-30-1/8-NBR	
	40 mm			30 g	35413	VASB-40-1/4-NBR	
	55 mm			42 g	35414	VASB-55-1/4-NBR	
	75 mm			95 g	35415	VASB-75-1/4-NBR	
	100 mm	G3/8		VDMA24364-B1/B2-L		35416	VASB-100-1/4-NBR
	125 mm			VDMA24364-A1-L	207 g	152609	VASB-125-3/8-NBR

#### Suction cup with connection VASB-...-NBR-F1A, protective bellows (for battery production)

	Suction cup diameter	Vacuum connection	LABS (PWIS) conformity	Product weight	Part no.	Type
	8 mm	M5	VDMA24364-A1/A2-L	4 g	8204343	VASB-8-M5-NBR-F1A
	15 mm	G1/8		11 g	8204344	VASB-15-1/8-NBR-F1A
	30 mm	G1/4		15 g	8204432	VASB-30-1/8-NBR-F1A
	40 mm			30 g	8204433	VASB-40-1/4-NBR-F1A
	55 mm			42 g	8204438	VASB-55-1/4-NBR-F1A

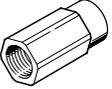
#### Dimensions – Suction cup VASB-...-SI-B, protective bellows

	Suction cup diameter	Vacuum connection	LABS (PWIS) conformity	Product weight	Part no.	Type
	8 mm	M5	VDMA24364 zone III	4 g	1394696	VASB-8-M5-SI-B
	15 mm	G1/8			1377689	VASB-15-1/8-SI-B
	30 mm	G1/4		7 g	1377637	VASB-30-1/8-SI-B
	40 mm			18 g	1372910	VASB-40-1/4-SI-B
	55 mm			29 g	1373812	VASB-55-1/4-SI-B
	75 mm			78 g	1378427	VASB-75-1/4-SI-B
	100 mm	G3/8		132 g	1382277	VASB-100-1/4-SI-B
	125 mm			247 g	1387375	VASB-125-3/8-SI-B

## Ordering data

Dimensions – Vacuum cup VASB-...PUR-B, bellows						
	Suction cup diameter	Vacuum connection	LABS (PWIS) conformity	Product weight	Part no.	Type
	8 mm	M5	VDMA24364-A1-L	4 g	<b>1395637</b>	<b>VASB-8-M5-PUR-B</b>
	15 mm	G1/8		11 g	<b>1395671</b>	<b>VASB-15-1/8-PUR-B</b>
	30 mm			14 g	<b>1395690</b>	<b>VASB-30-1/8-PUR-B</b>
	40 mm			G1/4	30 g	<b>1395691</b>
	55 mm	39 g			<b>1396063</b>	<b>VASB-55-1/4-PUR-B</b>
	75 mm	90 g			<b>1396064</b>	<b>VASB-75-1/4-PUR-B</b>
	100 mm	155 g			<b>1396066</b>	<b>VASB-100-1/4-PUR-B</b>
	125 mm	G3/8		294 g	<b>1396067</b>	<b>VASB-125-3/8-PUR-B</b>

## Accessories

Adapter AD			
	Short type code	Part no.	Type
	AD	160256	AD-M12X1,25-1/4
		157334	AD-M10X1,25-1/4

Vacuum security valve ISV			
	Short type code	Part no.	Type
	ISV	33970	ISV-1/4

Length compensator VAL			
	Design	Part no.	Type
	Vacuum port on top	151211	VAL-1/4-20