

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](#)



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The vacuum design 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. There, it is possible to display precise values.

Material

[PUR] Polyurethane	[NBR] Nitrile rubber
• Long service life • Gentle treatment due to soft material	• Universal applications • Also available in suction cup sizes 8 to 55 suitable for battery production (F1A)
[SI] Silicone	
• High temperature resistance • Suitable for use in the food industry	

Special material properties

[F1A]	Recommended for production plants for manufacturing lithium-ion batteries, F1A
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Application note: Foreign particles may adhere to the product or be generated during installation. Depending on the application, it may be necessary to blow out the product with clean compressed air, clean it after installation and operate it with captured exhaust air.

Characteristics

Application example



Flexible automation is a large area of application for vacuum technology:

- Lifting
- Equipping
- Moving
- Insertion
- Conveyance
- Gripping
- Holding
- Stacking
- Clamping
- Conveying
- Repositioning
- Turning

Type code

001	Series	
VAS	Suction cup	
VASB	Suction cup 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 connection	
G14	G1/4	
G18	G1/8	
G38	G3/8	
M3	M3	
M5	M5	

004	Connection position	
	Top	
S	Lateral	

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
Connection position	Lateral
Nominal width	2 mm
Suction cup shape	Round, flat
Type of mounting	Via vacuum connection
Mounting position	Any
Nominal operating pressure	-0.7 bar
Holding force at nominal operating pressure	2.8 N
Effective suction cup diameter	7.1 mm
Suction cup volume	0.095 cm ³
Suction cup height compensation	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) ¹⁾	2 - Moderate corrosion stress
Shore hardness	60 +/-5
Suction cup material	TPE-U(PU)
Material of screwed plug	Brass
Note on materials	RoHS compliant

1) Further information, visit www.festo.com/x/topic/kbk

Technical data – suction cup with connection VAS-...-NBR

Suction cup diameter	2 mm	5 mm	10 mm	75 mm	100 mm	125 mm
Vacuum connection	M3	M5		G1/4		G3/8
Connection position	up					
Nominal width	1 mm	1.5 mm	2 mm	4 mm		7 mm
Suction cup shape	Round, flat					
Type of mounting	Via vacuum connection					
Mounting position	Any					
Nominal operating pressure	-0.7 bar					
Holding force at nominal operating pressure	0.14 N	0.9 N	4.5 N	197 N	397 N	606 N
Effective suction cup diameter	1.6 mm	4 mm	9 mm	60 mm	85 mm	105 mm
Suction cup volume	0.03 cm³		0.12 cm³	8.01 cm³	33.5 cm³	79.1 cm³
Suction cup height compensation	0.5 mm		1.1 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) ¹⁾	2 - Moderate corrosion stress					
Shore hardness	55 +/-5		60 +/-5	70 +/-5		
Suction cup material	NBR					
Material of screwed plug	High-alloy steel	Wrought aluminum alloy		Die-cast zinc		
Note on materials	RoHS compliant					

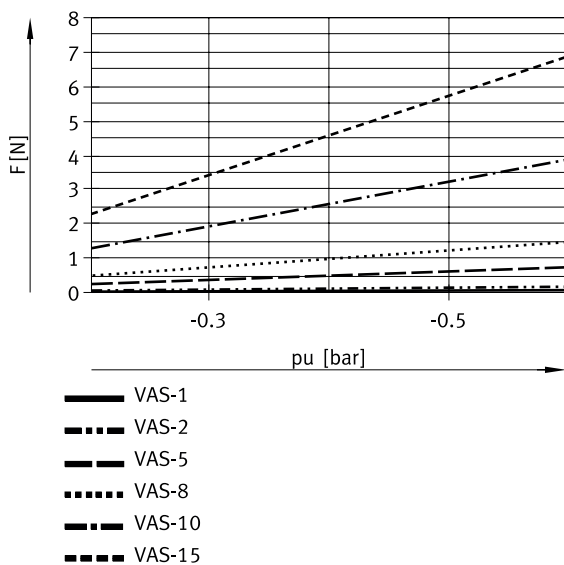
1) Further information, visit www.festo.com/x/topic/kbk

Additional features - suction cup with connection VAS-...-NBR-F1A (for battery production)

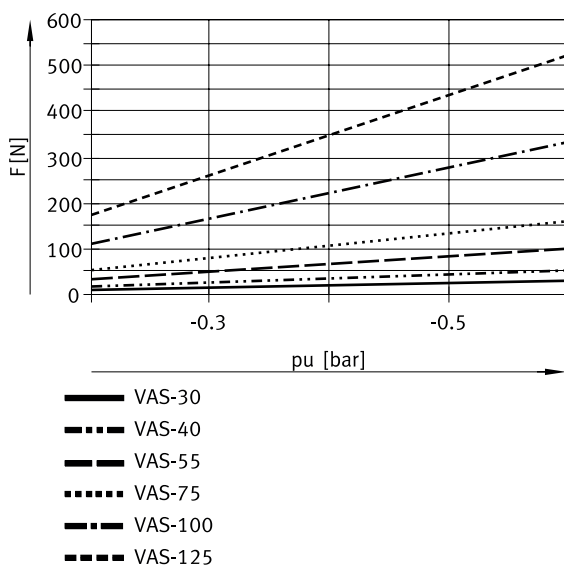
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Suction cup material	NBR
Material of screwed plug	Wrought aluminum alloy
LABS (PWIS) conformity	VDMA24364-A1/A2-L

Datasheet

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

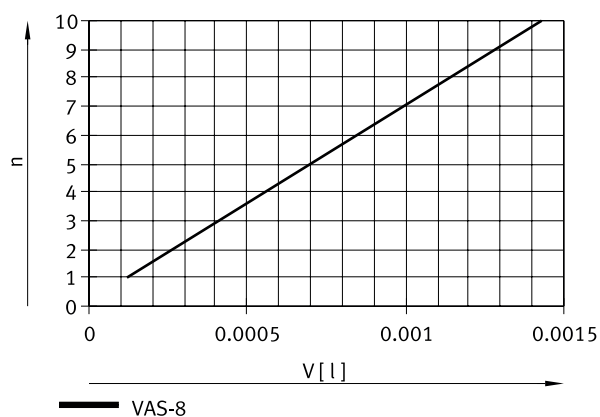


Theoretical suction force F as a function of vacuum p_u – VAS-30 ... 125

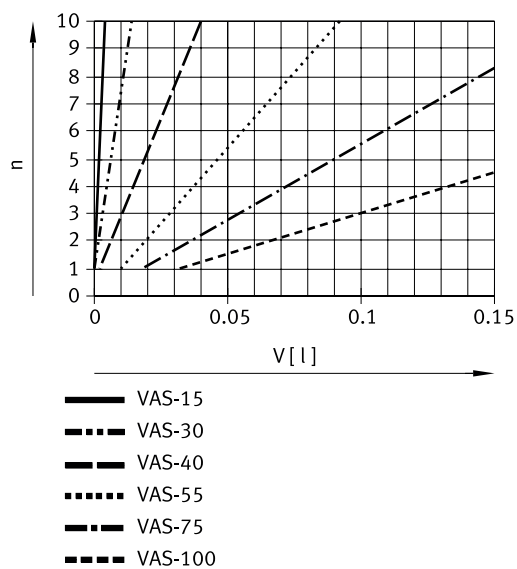


Datasheet

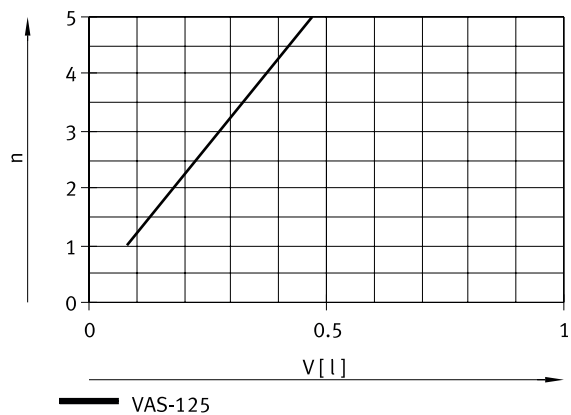
Suction cup volume – VAS-8



Volume of suction cups – VAS-15 ... 100



Suction cup volume – VAS-125



Datasheet

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
Connection position	up								
Nominal width	2 mm		3 mm		4 mm				7 mm
Suction cup shape	Round, flat								
Type of mounting	Via vacuum connection								
Mounting position	Any								
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 cm³	0.12 cm³	0.228 ... 0.328 cm³	1.29 cm³	3.47 cm³	8.01 cm³	18.3 cm³	33.5 cm³	79.1 cm³
Suction cup height compensation	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								
For use in the food industry	See supplementary material information								
Corrosion resistance class (CRC) ¹⁾	2 - Moderate corrosion stress								
Shore hardness	60 +/-5								
Suction cup material	PUR, VMQ (silicone)								
Material of screwed plug	Wrought aluminum alloy, Brass				Wrought aluminum alloy, Die-cast zinc				
Note on materials	RoHS compliant								

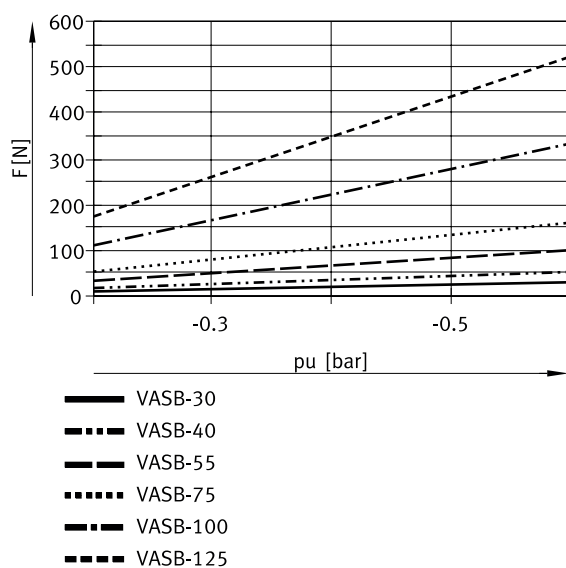
1) Further information, visit www.festo.com/x/topic/kbk

Technical data – suction cup with connection VASB-...-NBR, protective bellows			
Suction cup diameter	75 mm	100 mm	125 mm
Vacuum connection	G1/4		G3/8
Connection position	up		
Nominal width	4 mm		7 mm
Suction cup shape	round protective bellows 1.5-fold		
Type of mounting	Via vacuum connection	–	Via vacuum connection
Mounting position	Any	–	Any
Nominal operating pressure	-0.7 bar	–	-0.7 bar
Holding force at nominal operating pressure	197 N	397 N	606 N
Effective suction cup diameter	60 mm	85 mm	105 mm
Suction cup volume	65.5 cm ³	–	307 cm ³
Suction cup height compensation	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) ¹⁾	2 - Moderate corrosion stress	–	2 - Moderate corrosion stress
Shore hardness	60 +/-5		
Suction cup material	NBR		
Material of screwed plug	Die-cast zinc		
Note on materials	RoHS compliant		

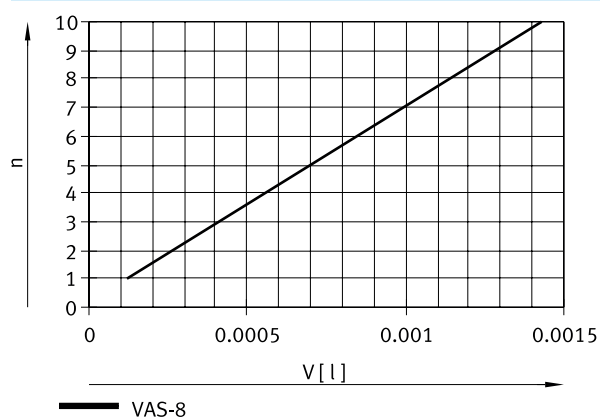
1) Further information, visit www.festo.com/x/topic/kbk

Additional features - suction cup with connection VAS-...-NBR-F1A (for battery production)	
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Suction cup material	NBR
Material of screwed plug	Wrought aluminum alloy
LABS (PWIS) conformity	VDMA24364-A1/A2-L

Datasheet

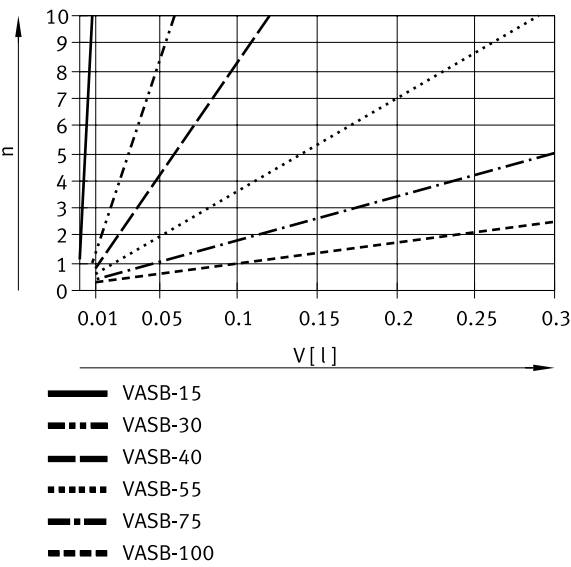
Theoretical suction force F as a function of vacuum p_u – VASB-30 ... 125

Suction cup volume – VASB-8

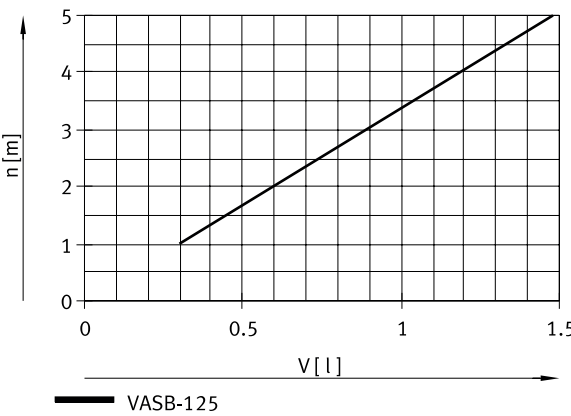


Datasheet

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
Connection position	up							
Nominal width	2 mm	3 mm		4 mm				7 mm
Suction cup shape	round protective bellows 1.5-fold							
Type of mounting	Via vacuum connection							
Mounting position	Any							
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 ³	0.83 cm ³	6.18 cm ³	11.11 cm ³	30.4 cm ³	65.5 cm ³	128 cm ³	307 cm ³
Suction cup height compensation	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							
For use in the food industry	See supplementary material information							
Corrosion resistance class (CRC) ¹⁾	2 - Moderate corrosion stress							
Shore hardness	60 +/- 5							
Suction cup material	VMQ (silicone)							
Material of screwed plug	Wrought aluminum alloy							
Note on materials	RoHS compliant							

1) Further information, visit www.festo.com/x/topic/kbk

Technical data – suction cup with connection VASB-...-PUR-B, protective bellows

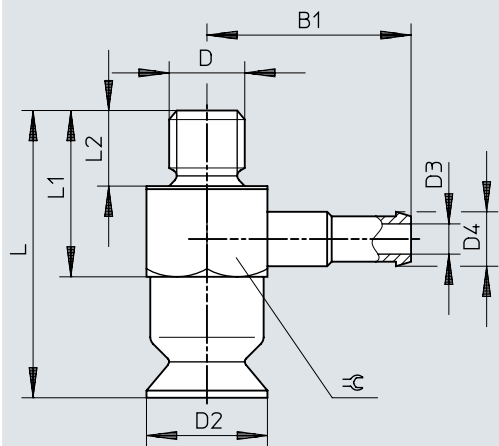
Technical data - Suction cup with connection TBSB ... FOR B, protective bellows								
Suction cup diameter	8 mm	15 mm	30 mm	40 mm	55 mm	75 mm	100 mm	125 mm
Vacuum connection	M5	G1/8	G1/4					G3/8
Connection position	up							
Nominal width	2 mm	3 mm	4 mm					7 mm
Suction cup shape	round protective bellows 1.5-fold							
Type of mounting	Via vacuum connection							
Mounting position	Any							
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 cm³	0.83 cm³	6.18 cm³	11.11 cm³	30.4 cm³	65.5 cm³	128 cm³	307 cm³
Suction cup height compensation	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) ¹⁾	2 - Moderate corrosion stress							
Shore hardness	60 +/-5							
Suction cup material	PUR							
Material of screwed plug	Brass			Die-cast zinc				
Note on materials	RoHS compliant							

1) Further information, visit www.festo.com/x/topic/kbk

Dimensions

Dimensions – Dimensions – suction cup VAS-...-S-PUR-B, vacuum connection on the side

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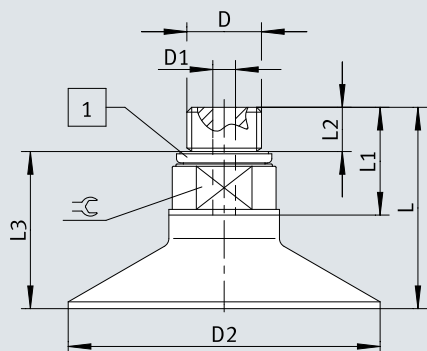


	B1	D	D2 Ø	D3 Ø	D4 Ø	L	L1	L2 -0,1	≡C
VAS-8-...-S-PUR-B	13,5	M5	8	2	3,6	19	11,5	5	8

Dimensions

Dimensions – Dimensions – suction cup VAS-...-NBR

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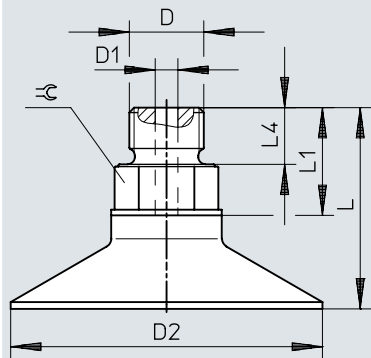
[2] VAS-5/10: sealing ring OK; VAS-8/15 ... 125: sealing ring OL

	D	D1 Ø	D2 Ø	L	L1	L2	L3	≈G
VAS-2-...-NBR ¹⁾	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
VAS-8-...-NBR-F1A	M5	2	8	19,2	11,5	2,8	16,4	8
VAS-15-...-NBR-F1A	G1/8	3	15	20,2	12	4,8	15,4	13
VAS-30-...-NBR-F1A	G1/8	3	30	21,5	12	4,8	16,7	13
VAS-40-...-NBR-F1A	G1/4	4	40	30,5	17	5,8	24,7	17
VAS-55-...-NBR-F1A	G1/4	4	55	32,5	17	5,8	26,7	17

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

Dimensions

Dimensions – Dimensions – suction cup VAS-...-SI-B [Download CAD data](#) www.festo.com

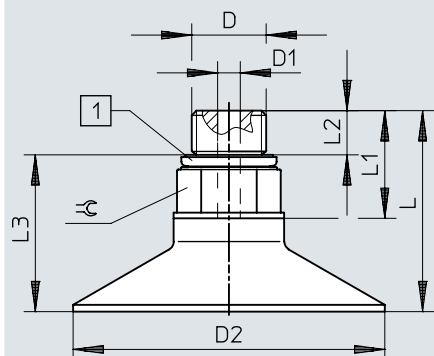


	D	D1 Ø	D2 Ø	L	L1	L4	≡
VAS-8-...-SI-B	M5	2	8	19,2	11,5	4,3	8
VAS-10-...-SI-B	M5	2	10	19,2	11,5	4,3	8
VAS-15-...-SI-B	G1/8	3	15	20	12	6,5	13
VAS-30-...-SI-B	G1/8	3	30	21,5	12	6,5	13
VAS-40-...-SI-B	G1/4	4	40	30,5	17	8	17
VAS-55-...-SI-B	G1/4	4	55	33,5	17	8	17
VAS-75-...-SI-B	G1/4	4	75	28,2	17	8	17
VAS-100-...-SI-B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

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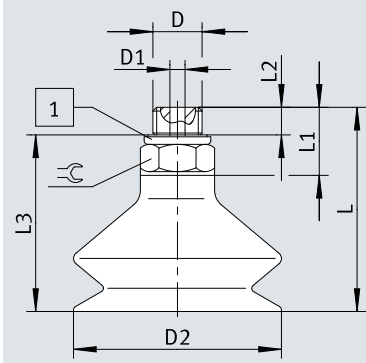


[1] Sealing ring

	D	D1 Ø	D2 Ø	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 VASB-...-NBR, protective bellows Download CAD data www.festo.com



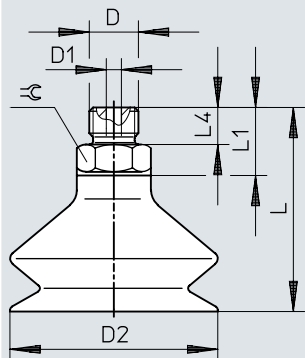
[1] Sealing ring OL

	D	D1 Ø	D2 Ø	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
VASB-8-...-NBR-F1A	M5	2	8	22,7	11,5	2,8	19,9	8
VASB-15-...-NBR-F1A	G1/8	3	15	25	12	4,8	20,2	13
VASB-30-...-NBR-F1A	G1/8	3	30	34	12	4,8	29,2	13
VASB-40-...-NBR-F1A	G1/4	4	40	43	17	5,8	37,2	17
VASB-55-...-NBR-F1A	G1/4	4	55	52	17	5,8	46,2	17

Dimensions

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

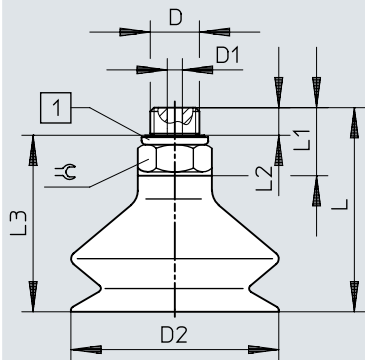
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	D	D1 Ø	D2 Ø	L	L1	L4	≙
VASB-8-...-SI-B	M5	2	8	22,5	11,5	4,3	8
VASB-15-...-SI-B	G1/8	3	15	25,5	12	6,5	13
VASB-30-...-SI-B	G1/8	3	30	34	12	6,5	13
VASB-40-...-SI-B	G1/4	4	40	43	17	8	17
VASB-55-...-SI-B	G1/4	4	55	52	17	8	17
VASB-75-...-SI-B	G1/4	4	75	43,7	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 – suction cup VASB-...PUR-B, protective bellows [Download CAD data](#) www.festo.com



	D	D1 Ø	D2 Ø	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 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	8025969	VAS-8-M5-S-PUR-B

Ordering data – suction cup VAS-...-NBR

	Suction cup diameter	Vacuum connection	LABS (PWIS) conformity	Product weight	Part no.	Type
	2 mm	M3	VDMA24364-A1-L	1 g	173438	VAS-2-M3-NBR
	5 mm	M5		2 g	173439	VAS-5-M5-NBR
	10 mm			3 g	173440	VAS-10-M5-NBR
	75 mm	G1/4		76 g	36145	VAS-75-1/4-NBR
	100 mm			138 g	34586	VAS-100-1/4-NBR
	125 mm	G3/8		152 g	152605	VAS-125-3/8-NBR

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	1.5 g	8204239	VAS-8-M5-NBR-F1A
	15 mm	G1/8		3.8 g	8204259	VAS-15-1/8-NBR-F1A
	30 mm			5.3 g	8204260	VAS-30-1/8-NBR-F1A
	40 mm	G1/4		13.7 g	8204304	VAS-40-1/4-NBR-F1A
	55 mm			18.5 g	8204305	VAS-55-1/4-NBR-F1A

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	1377781	VAS-8-M5-SI-B
	10 mm				1385610	VAS-10-M5-SI-B
	15 mm	G1/8		4 g	1376604	VAS-15-1/8-SI-B
	30 mm			5 g	1377752	VAS-30-1/8-SI-B
	40 mm	G1/4		14 g	1379454	VAS-40-1/4-SI-B
	55 mm			19 g	1379348	VAS-55-1/4-SI-B
	75 mm			62 g	1382165	VAS-75-1/4-SI-B
	100 mm			116 g	1386376	VAS-100-1/4-SI-B
	125 mm	G3/8		214 g	1415120	VAS-125-3/8-SI-B

Dimensions – suction cup VAS-...-PUR-B

	Suction cup diameter	Vacuum connection	LABS (PWIS) conformity	Product weight	Part no.	Type
	8 mm	M5	VDMA24364-A1-L	4 g	1396086	VAS-8-M5-PUR-B
	10 mm				1469698	VAS-10-M5-PUR-B
	15 mm	G1/8		11 g	1396087	VAS-15-1/8-PUR-B
	30 mm			12 g	1396090	VAS-30-1/8-PUR-B
	40 mm	G1/4		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

Ordering data

Dimensions – suction cup VAS-...-PUR-B

	Suction cup diameter	Vacuum connection	LABS (PWIS) conformity	Product weight	Part no.	Type
	100 mm	G1/4	VDMA24364-A1-L	140 g	1396098	VAS-100-1/4-PUR-B
	125 mm	G3/8		249 g	1396108	VAS-125-3/8-PUR-B

Ordering data – suction cup VASB-...-NBR, protective bellows

	Suction cup diameter	Vacuum connection	LABS (PWIS) conformity	Product weight	Part no.	Type
	75 mm	G1/4	VDMA24364-A1-L	95 g	35415	VASB-75-1/4-NBR
	100 mm		VDMA24364-B1/B2-L		35416	VASB-100-1/4-NBR
	125 mm	G3/8	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	1.5 g	8204343	VASB-8-M5-NBR-F1A
	15 mm	G1/8		4.1 g	8204344	VASB-15-1/8-NBR-F1A
	30 mm			7 g	8204432	VASB-30-1/8-NBR-F1A
	40 mm	G1/4		17.1 g	8204433	VASB-40-1/4-NBR-F1A
	55 mm			26.9 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			7 g	1377637	VASB-30-1/8-SI-B
	40 mm	G1/4		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			132 g	1382277	VASB-100-1/4-SI-B
	125 mm	G3/8		247 g	1387375	VASB-125-3/8-SI-B

Dimensions – suction cup VASB-...-PUR-B, protective bellows

	Suction cup diameter	Vacuum connection	LABS (PWIS) conformity	Product weight	Part no.	Type
	8 mm	M5	VDMA24364-A1-L	4 g	1395637	VASB-8-M5-PUR-B

Ordering data

Dimensions – suction cup VASB-...PUR-B, protective bellows						
	Suction cup di- ameter	Vacuum connec- tion	LABS (PWIS) con- formity	Product weight	Part no.	Type
	15 mm	G1/8	VDMA24364-A1- L	11 g	1395671	VASB-15-1/8-PUR-B
	30 mm	G1/4		14 g	1395690	VASB-30-1/8-PUR-B
	40 mm			30 g	1395691	VASB-40-1/4-PUR-B
	55 mm			39 g	1396063	VASB-55-1/4-PUR-B
	75 mm			90 g	1396064	VASB-75-1/4-PUR-B
	100 mm			155 g	1396066	VASB-100-1/4-PUR-B
	125 mm			294 g	1396067	VASB-125-3/8-PUR-B
		G3/8				

Accessories

Adapter AD					
	Type code	LABS (PWIS) conformity	Part no.	Type	
	AD	VDMA24364-B1/B2-L	160256	AD-M12X1,25-1/4	
			157329	AD-M6-1/8	
			157334	AD-M10X1,25-1/4	
			157332	AD-M8-1/4	
			157330	AD-M6-1/4	
			160257	AD-M12X1,25-3/8	
			157333	AD-M10X1,25-1/8	
			157331	AD-M8-1/8	
			157328	AD-M6-M5	

Vacuum security valve ISV						
	Size	LABS (PWIS) conformity	Suitability for the production of Li-ion batteries	Product weight	Part no.	Type
	G1/8	VDMA24364-B1/B2-L	F1a	9 g	8217204	ISV-1/8-F1A
	G1/4			16 g	8217205	ISV-1/4-F1A
	G3/8	VDMA24364-B2-L		33 g	33971	ISV-3/8
	M5	VDMA24364-B1/B2-L	F1a	4 g	8217206	ISV-M5-F1A

Length compensator VAL						
	Vacuum connection	Structural design	Suitability for the production of Li-ion batteries	Product weight	Part no.	Type
	Internal thread G1/8	Vacuum connection at top	F1a	62 g	8214723	VAL-1/8-10-F1A
	Internal thread G1/4			118 g	8214724	VAL-1/4-20-F1A
	Internal thread G3/8			275 g	8210510	VAL-3/8-80-F1A
	Internal thread M5			25 g	8214722	VAL-M5-5-F1A