

Suction cups VAS/VASB

FESTO



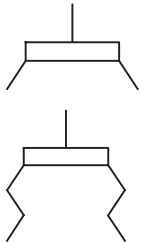
Suction cups

Key features

FESTO

Product overview

Suction gripper and suction cup



Festo vacuum suction grippers offer outstanding functionality and quality.

An extensive range of modular suction cups in different shapes, materials and sizes, plus a wide selection of suction cup holders, angle and height compensators and filters within the

modular suction gripper system, provide users with a huge range of possible combinations for a wide variety of applications.

Suction grippers ESG

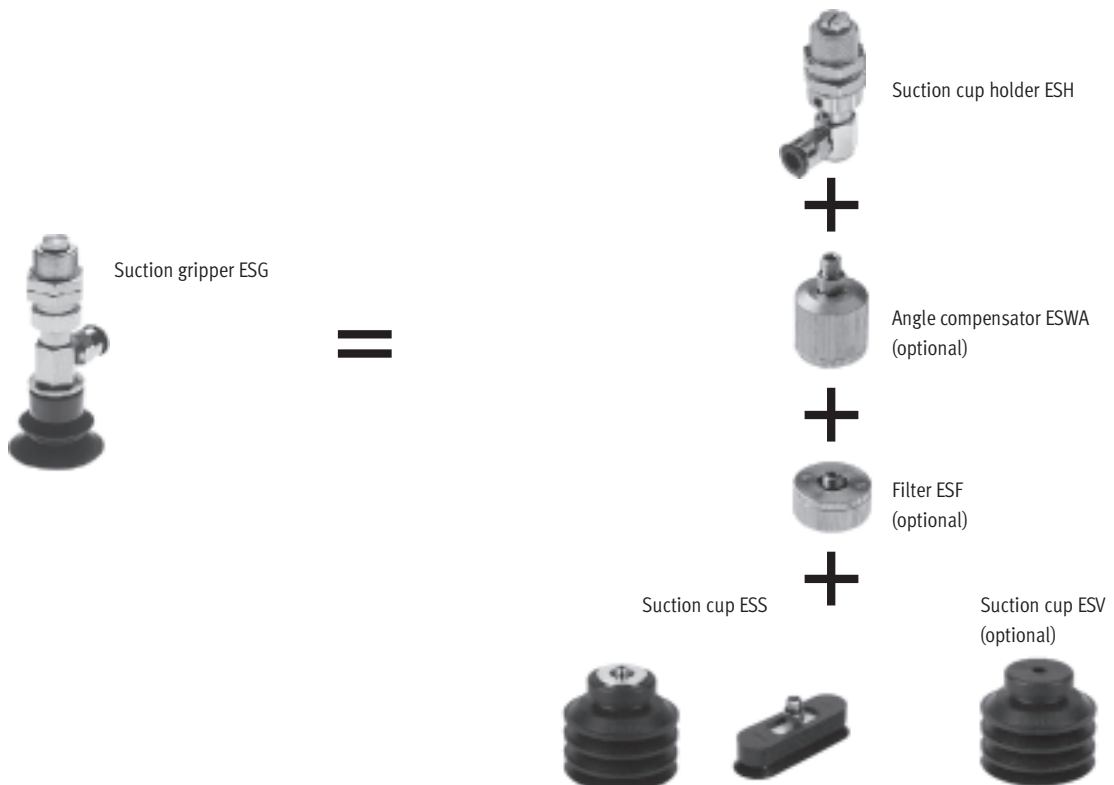
Technical data → Internet: esg

Modular products with over 2000 variants

- The ideal solution for the transport of workpieces of different weights, surfaces and shapes
- Choose from:
 - 15 suction cup diameters
 - 5 different materials – including antistatic types
 - 5 suction cup shapes
 - Various suction cup holders
 - Optional accessories (filters and angle compensators)
- Wide range of variants
- A suitable solution for every task
- Wide range to suit applications with various temperature ranges and workpiece surfaces
- Suction cups made from silicone are approved for use in the food industry

Suction grippers as a complete solution

Suction grippers made from individual components



Suction cups

Key features

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Suction cups VAS/VASB

Sturdy and reliable

- The ideal solution for the transport of workpieces of different weights, surfaces and shapes
- Choose from:
 - 11 suction cup diameters
 - 2 suction cup shapes: round and bellows design
 - 3 suction cup materials: nitrile rubber, polyurethane and silicone for use in a wide variety of applications
- Wide range to suit applications with various temperature ranges and workpiece surfaces
- Suction cups made from silicone are approved for use in the food industry
- All tubing connector sizes correspond to a holder size



Suction cups VAS/VASB

Features

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Suction cups with fixed connecting thread

- VAS: 2 ... 125 mm diameter
- VASB: 8 ... 125 mm diameter
- Suction retention of workpieces with smooth, impervious surfaces
- Bellows suction cups can adapt to suit uneven, curved and inclined surfaces

Nitrile rubber (NBR)

- Minimal markings left on shiny surfaces

Polyurethane (PUR)

- Long service life
- Gentle handling with soft suction cup material

Silicone (SI)

- Excellent thermal resistance
- Approved for use in the food industry



Accessories

Vacuum security valve ISV

Technical data → Internet: [isv](#)

- Vacuum does not dissipate when any of several suction cups arranged in parallel fail to maintain contact
- Saves compressed air and energy



Height compensator VAL

Technical data → Internet: [val](#)

- Gentle handling of the workpieces by compensating for tolerance differences in the workpiece thickness.



Elbow fitting LJK

Technical data → Internet: [ljk](#)

- Redirection of air connection
- Swivel joint rotatable 360°



Adapter AD

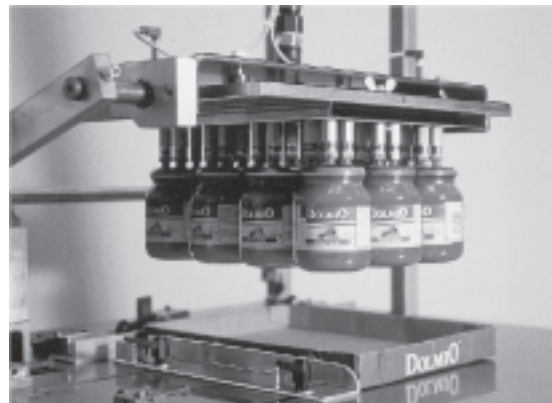
Technical data → Internet: [ad](#)

- For connection of suction cup with piston rod thread, for example



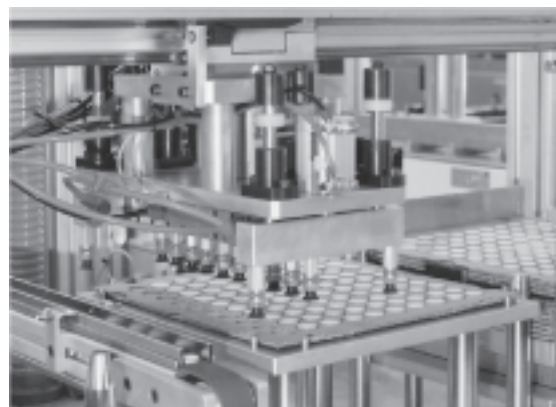
Vacuum technology can be used in a wide range of applications

- Lifting
- Placing
- Moving
- Insertion
- Conveying
- Gripping
- Holding
- Loading
- Clamping
- Transporting
- Repositioning
- Turning



Flexible automation technology is an important field of application for vacuum technology:

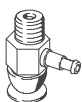
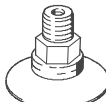
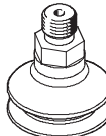
- Small, mid-sized and large series manufacturing
- Assembly
- Conveyor and packaging technology



Suction cups VAS/VASB

Product range overview

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Version	Version	Type	Suction cup diameter	Suction cup mounting	Vacuum port	Suction cup materials	➔ Page/ Internet
Round, flat	Vacuum port on side						
		VAS	8	M5	PK-3	TPE-U(PU)	6
	Vacuum port on top						
		VAS	2, 5, 8, 10, 15, 30, 40, 55, 75, 100, 125	M3, M5, G1/8, G1/4, G3/8	M3, M5, G1/8, G1/4, G3/8	NBR	7
			8, 10, 15, 30, 40, 55, 75, 100, 125	M5, G1/8, G1/4, G3/8	M5, G1/8, G1/4, G3/8	VMQ (silicone)	11
			8, 10, 15, 30, 40, 55, 75, 100, 125	M5, G1/8, G1/4, G3/8	M5, G1/8, G1/4, G3/8	PUR	11
Round, bellows, 1.5 convolutions	Vacuum port on top						
		VASB	8, 15, 30, 40, 55, 75, 100, 125	M5, G1/8, G1/4, G3/8	M5, G1/8, G1/4, G3/8	NBR	15
			8, 15, 30, 40, 55, 75, 100, 125	M5, G1/8, G1/4, G3/8	M5, G1/8, G1/4, G3/8	VMQ (silicone)	19
			8, 15, 30, 40, 55, 75, 100, 125	M5, G1/8, G1/4, G3/8	M5, G1/8, G1/4, G3/8	PUR	19

Suction cups VAS-...-S

Technical data

FESTO

Function



-N- Diameter
8 mm
Temperature range
-20 ... +60 °C



General technical data		
Suction cup diameter	[mm]	8
Suction cup mounting		M5
Vacuum port		PK-3
Nominal size	[mm]	2
Design		Round, standard, vacuum port on side
Mounting position		Any
Nominal operating pressure	[bar]	-0.7
Holding force at nominal operating pressure -0.7 bar	[N]	1.6
Effective suction cup diameter	[mm]	5.5
Suction cup volume	[cm ³]	0.095

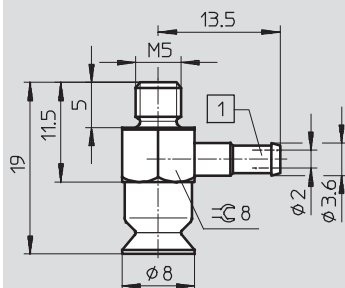
Operating and environmental conditions		
Operating pressure	[bar]	-0.95 ... 0
Operating medium		Atmospheric air based on ISO 8573-1:2010 [7:-:-]
Ambient temperature	[°C]	-20 ... +60
Corrosion resistance class CRC ¹⁾		2

- 1) Corrosion resistance class 2 according to Festo standard 940 070
Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

Materials	
Shore hardness	60 ±5
Suction cup	TPE-U(PU) Colour: transparent
Threaded plug	Brass
Note on materials	RoHS-compliant

Dimensions

Download CAD Data → www.festo.com/us/cad



1) Barbed connector for tubing
I.D. 3 mm

Ordering data			
Suction cup diameter	Vacuum port	Part No.	Type
[mm]			
8	M5	12612	VAS-8-M5-S

Suction cups VAS-...-NBR

Type codes

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		VAS	–	30	–	1/8	–	NBR
Type								
VAS	Suction cup							
Suction cup diameter [mm]								
2	2							
5	5							
8	8							
10	10							
15	15							
30	30							
40	40							
55	55							
75	75							
100	100							
125	125							
Vacuum port								
M3	Thread M3							
M5	Thread M5							
1/8	Thread G1/8							
1/4	Thread G1/4							
3/8	Thread G3/8							
Materials								
NBR	Nitrile rubber							



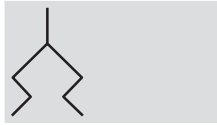
Possible combinations can be found in the ordering data.

Suction cups VAS-...-NBR

Technical data

FESTO

Function



-N- Diameter
2 ... 125 mm
Temperature range
-20 ... +80 °C



General technical data												
Suction cup diameter	[mm]	2	5	8	10	15	30	40	55	75	100	125
Vacuum port		M3	M5	M5	M5	G $\frac{1}{8}$	G $\frac{1}{8}$	G $\frac{1}{4}$	G $\frac{1}{4}$	G $\frac{1}{4}$	G $\frac{1}{4}$	G $\frac{3}{8}$
Nominal size	[mm]	1	1.5	2	2	3	3	4	4	4	4	7
Design		Round, standard, vacuum port on top										
Type of mounting		Via vacuum port										
Mounting position		Any										
Nominal operating pressure	[bar]	-0.7										
Holding force at nominal operating pressure -0.7 bar	[N]	0.14	0.9	1.6	4.5	7.9	34	56	106	197	397	606
Effective suction cup diameter	[mm]	1.6	4	5.5	8	12	25	32	44	60	85	105
Suction cup volume	[cm ³]	0.03	0.03	0.095	0.12	0.328	1.29	3.47	8.01	18.3	33.5	79.1

Operating and environmental conditions	
Type	VAS-...-NBR
Operating pressure	[bar] -0.95 ... 0
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:-:-]
Ambient temperature	[°C] -20 ... +80
Corrosion resistance class CRC ¹⁾	2

- 1) Corrosion resistance class 2 according to Festo standard 940 070
Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

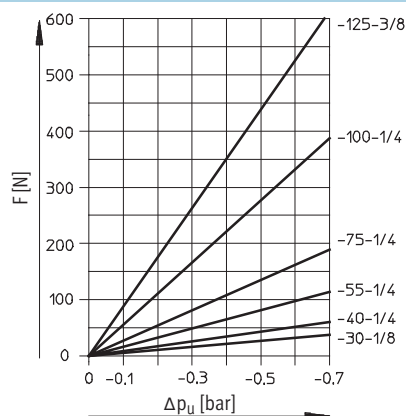
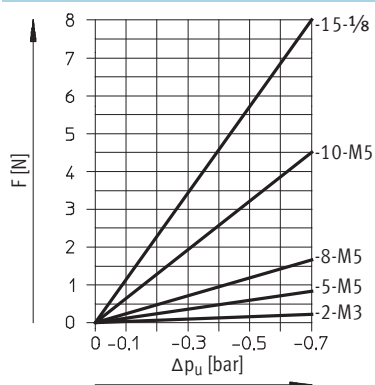
Materials	
Type	VAS-...-NBR
Shore hardness	55 ±5 (suction cup diameter 2 ... 5 mm) 60 ±5 (suction cup diameter 8 ... 15 mm) 70 ±5 (suction cup diameter 30 ... 125 mm)
Suction cup	NBR Colour: black
Threaded plug	High-alloy steel (suction cup diameter 2 mm) Wrought aluminium alloy (suction cup diameter 5 and 10 mm) Brass (suction cup diameter 8, 15 and 30 mm) Die-cast zinc (suction cup diameter 40 ... 125 mm)
Note on materials	RoHS-compliant

Suction cups VAS-...-NBR

Technical data

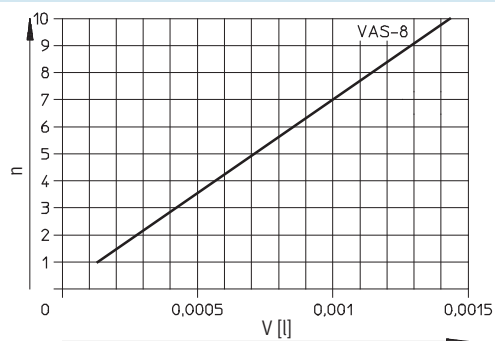
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Theoretical suction force F as a function of vacuum p_u

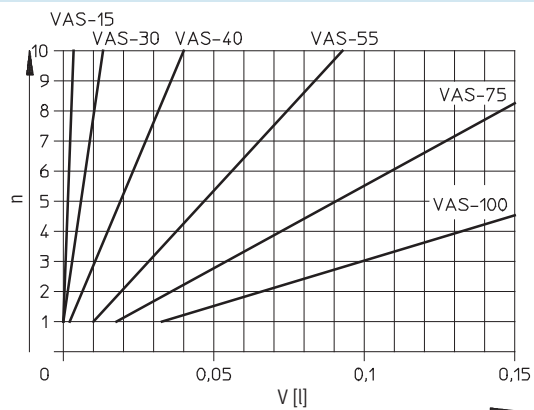


Suction cup volume

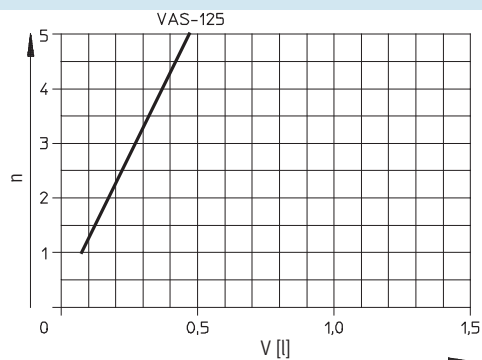
VAS-8



VAS-15 ... 100



VAS-125



Suction cups VAS-...-NBR

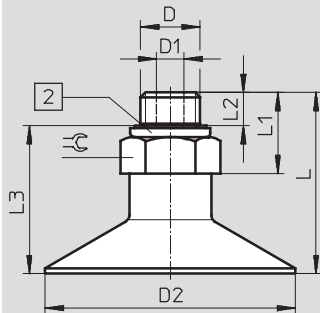
Technical data

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Dimensions

Download CAD Data → www.festo.com/us/cad

VAS-...-NBR



2 VAS-5/10:
Sealing ring OK
VAS-8/15 ... 125:
Sealing ring OL

Type	Connection D	D1 Ø	D2 Ø	L	L1	L2	L3	≡
VAS-2-...-NBR ¹⁾	M3	1	2	9.8	5.8	4	5.8	4.5
VAS-5-...-NBR	M5	1.5	5	16.5	10	4.5	12	8
VAS-8-...-NBR	M5	2	8	19	11.3	2.85	16.15	8
VAS-10-...-NBR	M5	2	10	19.2	11.5	4.5	14.7	8
VAS-15-...-NBR	G1/8	3	15	20.2	12	4.7	15.5	13
VAS-30-...-NBR	G1/8	3	30	21.5	12	4.7	16.8	13
VAS-40-...-NBR	G1/4	4	40	30.9	17.4	5.8	25.1	17
VAS-55-...-NBR	G1/4	4	55	33.9	17.4	5.8	28.1	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.

Ordering data

Suction cup diameter [mm]	Vacuum port	Weight [g]	Part No.	Type
2	M3	1	173438	VAS-2-M3-NBR
5	M5	2	173439	VAS-5-M5-NBR
8	M5	4	34588	VAS-8-M5-NBR
10	M5	3	173440	VAS-10-M5-NBR
15	G1/8	11	36142	VAS-15-1/8-NBR
30	G1/8	13	34587	VAS-30-1/8-NBR
40	G1/4	26	36143	VAS-40-1/4-NBR
55	G1/4	32	36144	VAS-55-1/4-NBR
75	G1/4	76	36145	VAS-75-1/4-NBR
100	G1/4	138	34586	VAS-100-1/4-NBR
125	G3/8	152	152605	VAS-125-3/8-NBR

Suction cups VAS-...-SI-B/PUR-B

Type codes

		VAS	—	30	—	1/8	—	PUR	—	B
--	--	-----	---	----	---	-----	---	-----	---	---

Type	
VAS	Suction cup

Suction cup diameter [mm]	
8	8
10	10
15	15
30	30
40	40
55	55
75	75
100	100
125	125

Vacuum port	
M5	Thread M5
1/8	Thread G1/8
1/4	Thread G1/4
3/8	Thread G3/8

Materials	
SI	VMQ (silicone)
PUR	Polyurethane

Generation	
B	B series



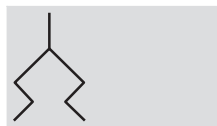
Possible combinations can be found in the ordering data.

Suction cups VAS-...-SI-B/PUR-B

Technical data

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Function



-N- Diameter
8 ... 125 mm
Temperature range
-40 ... +200 °C



General technical data										
Suction cup diameter	[mm]	8	10	15	30	40	55	75	100	125
Vacuum port		M5	M5	G1/8	G1/8	G1/4	G1/4	G1/4	G1/4	G3/8
Nominal size	[mm]	2	2	3	3	4	4	4	4	7
Design		Round, flat								
Type of mounting		Via vacuum port								
Mounting position		Any								
Nominal operating pressure	[bar]	-0.7								
Holding force at nominal operating pressure -0.7 bar	[N]	SI: 2.6 PUR: 2.8	SI: 3.7 PUR: 4	8.5	SI: 31 PUR: 34	SI: 58 PUR: 60	110	SI: 245 PUR: 250	SI: 464 PUR: 450	SI: 700 PUR: 570
Effective suction cup diameter	[mm]	SI: 6.8 PUR: 7.1	SI: 8.2 PUR: 8.5	12.4	SI: 23.7 PUR: 24.8	SI: 32.5 PUR: 34.4	44.7	SI: 66.7 PUR: 67.4	90.5	101.8
Suction cup volume	[cm ³]	0.095	0.12	0.328	1.29	3.47	8.01	18.3	33.5	79.1

Operating and environmental conditions		
Type	VAS-...-SI-B	VAS-...-PUR-B
Operating pressure	-0.95 ... 0	
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:-:-]	
Ambient temperature	-40 ... +200	-20 ... +60
Corrosion resistance class CRC ¹⁾	2	
Suitability for use in the food industry	As per manufacturer's declaration	-

1) Corrosion resistance class 2 according to Festo standard 940 070

Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

Materials		
Type	VAS-...-SI-B	VAS-...-PUR-B
Shore hardness	60 ±5	
Suction cup	VMQ (silicone) Colour: transparent	PUR Colour: blue
Threaded plug	Wrought aluminium alloy	Brass (suction cup diameter 8 ... 30 mm) Die-cast zinc (suction cup diameter 40 ... 125 mm)
Note on materials	RoHS-compliant	
	Contains PWIS (paint wetting impairment substances)	-

Suction cups VAS-...-SI-B/PUR-B

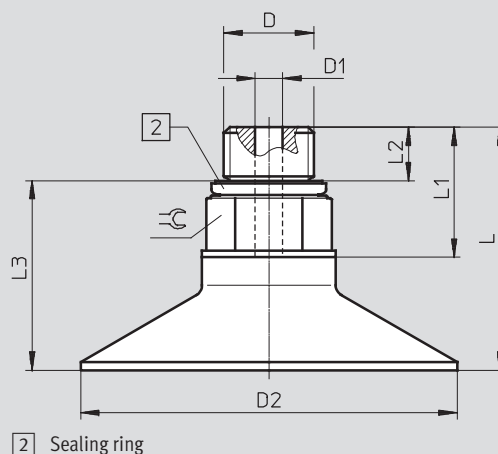
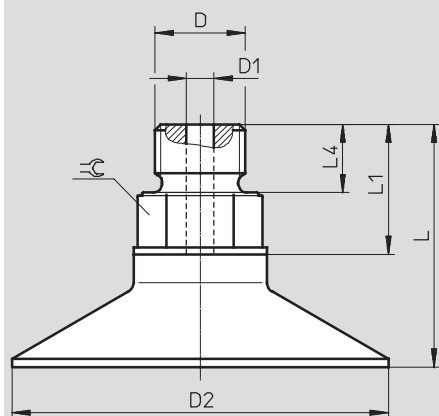
Technical data

Dimensions

Download CAD Data → www.festo.com/us/cad

VAS-...-SI-B

VAS-...-PUR-B



2 Sealing ring

Type	Connection D	D1 Ø	D2 Ø	L	L1	L2	L3	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
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

Suction cups VAS-...-SI-B/PUR-B

FESTO

Technical data

Ordering data				
Suction cup diameter [mm]	Vacuum port	Weight [g]	Part No.	Type
VMQ (silicone)				
8	M5	2	1377781	VAS-8-M5-SI-B
10	M5	2	1385610	VAS-10-M5-SI-B
15	G $\frac{1}{8}$	4	1376604	VAS-15- $\frac{1}{8}$ -SI-B
30	G $\frac{1}{8}$	5	1377752	VAS-30- $\frac{1}{8}$ -SI-B
40	G $\frac{1}{4}$	14	1379454	VAS-40- $\frac{1}{4}$ -SI-B
55	G $\frac{1}{4}$	19	1379348	VAS-55- $\frac{1}{4}$ -SI-B
75	G $\frac{1}{4}$	62	1382165	VAS-75- $\frac{1}{4}$ -SI-B
100	G $\frac{1}{4}$	116	1386376	VAS-100- $\frac{1}{4}$ -SI-B
125	G $\frac{3}{8}$	214	1415120	VAS-125- $\frac{3}{8}$ -SI-B
Polyurethane				
8	M5	3	1396086	VAS-8-M5-PUR-B
10	M5	3	1469698	VAS-10-M5-PUR-B
15	G $\frac{1}{8}$	3	1396087	VAS-15- $\frac{1}{8}$ -PUR-B
30	G $\frac{1}{8}$	5	1396090	VAS-30- $\frac{1}{8}$ -PUR-B
40	G $\frac{1}{4}$	6	1396092	VAS-40- $\frac{1}{4}$ -PUR-B
55	G $\frac{1}{4}$	8	1396095	VAS-55- $\frac{1}{4}$ -PUR-B
75	G $\frac{1}{4}$	10	1396096	VAS-75- $\frac{1}{4}$ -PUR-B
100	G $\frac{1}{4}$	12	1396098	VAS-100- $\frac{1}{4}$ -PUR-B
125	G $\frac{3}{8}$	14	1396108	VAS-125- $\frac{3}{8}$ -PUR-B

Suction cups VASB-...-NBR, bellows

FESTO

Type codes

		VASB	—	30	—	1/8	—	NBR
Type								
VASB	Suction cup							
Suction cup diameter [mm]								
8	8							
15	15							
30	30							
40	40							
55	55							
75	75							
100	100							
125	125							
Vacuum port								
M5	Thread M5							
1/8	Thread G1/8							
1/4	Thread G1/4							
3/8	Thread G3/8							
Materials								
NBR	Nitrile rubber							



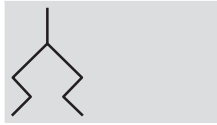
Possible combinations can be found in the ordering data.

Suction cups VASB-...-NBR, bellows

FESTO

Technical data

Function



-N- Diameter
8 ... 125 mm
Temperature range
-20 ... +80 °C



General technical data									
Suction cup diameter	[mm]	8	15	30	40	55	75	100	125
Vacuum port		M5	G1/8	G1/8	G1/4	G1/4	G1/4	G1/4	G3/8
Nominal size	[mm]	2	3	3	4	4	4	4	7
Design	Round, bellows, 1.5 convolutions, vacuum port on top								
Type of mounting	Via vacuum port								
Mounting position	Any								
Nominal operating pressure	[bar]	-0.7							
Holding force at nominal operating pressure -0.7 bar	[N]	1.6	7.9	34	56	106	197	397	606
Effective suction cup diameter	[mm]	5.5	12	25	32	44	60	85	105
Suction cup volume	[cm ³]	0.163	0.83	6.18	11.11	30.4	65.5	128.0	307.0

Operating and environmental conditions	
Type	VASB-...-NBR
Operating pressure	[bar] -0.95 ... 0
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:-:-]
Ambient temperature	[°C] -20 ... +80
Corrosion resistance class CRC ¹⁾	2

- 1) Corrosion resistance class 2 according to Festo standard 940 070
Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

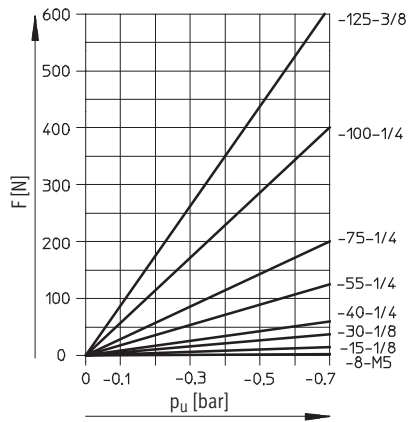
Materials	
Type	VASB-...-NBR
Shore hardness	60 ±5
Suction cup	NBR Colour: black
Threaded plug	Brass (suction cup diameter 8 ... 30 mm) Die-cast zinc (suction cup diameter 40 ... 125 mm)
Note on materials	RoHS-compliant

Suction cups VASB-...-NBR, bellows

Technical data

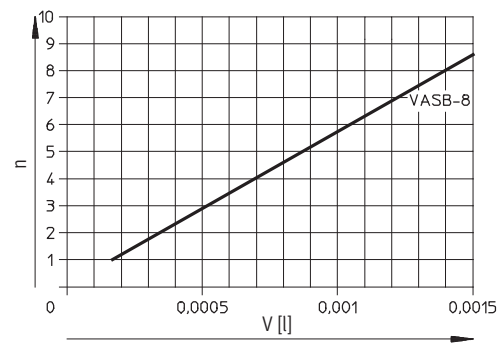
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Theoretical suction force F as a function of vacuum p_u

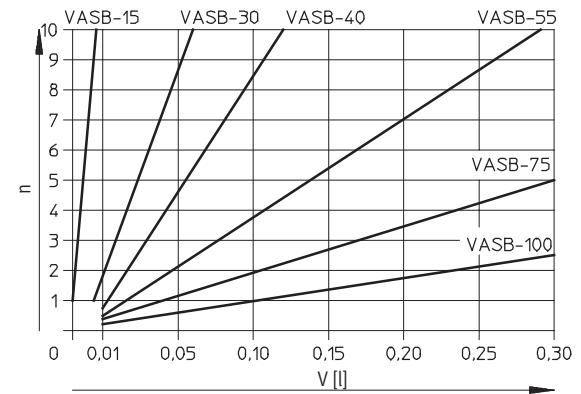


Suction cup volume

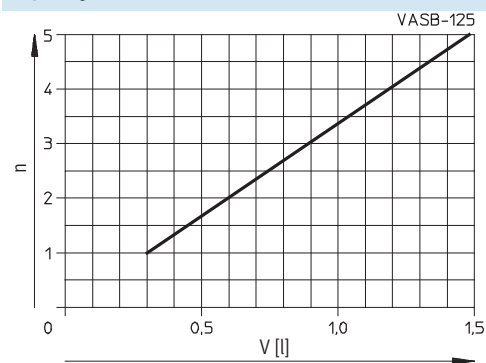
VASB-8



VASB-15 ... 100



VASB-125



Suction cups VASB-...-NBR, bellows

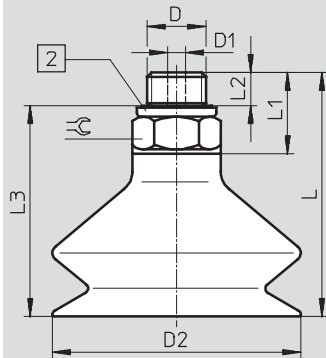
Technical data

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Dimensions

Download CAD Data → www.festo.com/us/cad

VASB-...-NBR



2 Sealing ring OL

Type	Connection D	D1 Ø	D2 Ø	L	L1	L2	L3	≈
VASB-8-...-NBR	M5	2	8	22.5	11.3	2.85	19.65	8
VASB-15-...-NBR	G1/8	3	15	25.2	12	4.7	20.5	13
VASB-30-...-NBR	G1/8	3	30	34.3	12	4.7	29.6	13
VASB-40-...-NBR	G1/4	4	40	43.4	17.4	5.8	37.6	17
VASB-55-...-NBR	G1/4	4	55	52.4	17.4	5.8	46.6	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

Ordering data

Suction cup diameter [mm]	Vacuum port	Weight [g]	Part No.	Type
8	M5	4	35410	VASB-8-M5-NBR
15	G1/8	11	35411	VASB-15-1/8-NBR
30	G1/8	15	35412	VASB-30-1/8-NBR
40	G1/4	30	35413	VASB-40-1/4-NBR
55	G1/4	42	35414	VASB-55-1/4-NBR
75	G1/4	95	35415	VASB-75-1/4-NBR
100	G1/4	170	35416	VASB-100-1/4-NBR
125	G3/8	207	152609	VASB-125-3/8-NBR

Suction cups VASB-...-SI-B/PUR-B, bellows

Type codes

		VASB	—	30	—	1/8	—	PUR	—	B
Type										
VASB	Suction cup									
Suction cup diameter [mm]										
8	8									
15	15									
30	30									
40	40									
55	55									
75	75									
100	100									
125	125									
Vacuum port										
M5	Thread M5									
1/8	Thread G1/8									
1/4	Thread G1/4									
3/8	Thread G3/8									
Materials										
SI	VMQ (silicone)									
PUR	Polyurethane									
Generation										
B	B series									



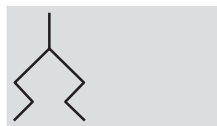
Possible combinations can be found in the ordering data.

Suction cups VASB-...-SI-B/PUR-B, bellows

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Technical data

Function



-N- Diameter
8 ... 125 mm
Temperature range
-40 ... +200 °C



General technical data									
Suction cup diameter	[mm]	8	15	30	40	55	75	100	125
Vacuum port		M5	G1/8	G1/8	G1/4	G1/4	G1/4	G1/4	G3/8
Nominal size	[mm]	2	3	3	4	4	4	4	7
Design		Round, bellows, 1.5 convolutions							
Type of mounting		Via vacuum port							
Mounting position		Any							
Nominal operating pressure	[bar]	-0.7							
Holding force at nominal operating pressure -0.7 bar	[N]	SI: 2.6 PUR: 2.8	8.5	SI: 25 PUR: 34	SI: 58 PUR: 60	110	SI: 228 PUR: 250	SI: 395 PUR: 450	SI: 610 PUR: 570
Effective suction cup diameter	[mm]	SI: 6.8 PUR: 7.1	12.4	SI: 21.3 PUR: 24.8	SI: 32.5 PUR: 34.4	44.7	SI: 64.4 PUR: 67.4	SI: 91.8 PUR: 90.5	101.8
Suction cup volume	[cm ³]	0.163	0.83	6.18	11.11	30.4	65.5	128.0	307.0

Operating and environmental conditions		
Type	VASB-...-SI-B	VASB-...-PUR-B
Operating pressure	[bar]	-0.95 ... 0
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:-:-]	
Ambient temperature	[°C]	-40 ... +200
Corrosion resistance class CRC ¹⁾	2	
Suitability for use in the food industry	As per manufacturer's declaration	

1) Corrosion resistance class 2 according to Festo standard 940 070

Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

Materials		
Type	VASB-...-SI-B	VASB-...-PUR-B
Shore hardness	60 ±5	
Suction cup	VMQ (silicone) Colour: transparent	PUR Colour: blue
Threaded plug	Wrought aluminium alloy	Brass (suction cup diameter 8 ... 30 mm) Die-cast zinc (suction cup diameter 40 ... 125 mm)
Note on materials	RoHS-compliant	
	Contains PWIS (paint wetting impairment substances)	-

Suction cups VASB-...-SI-B/PUR-B, bellows

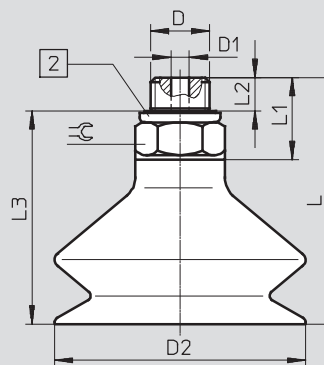
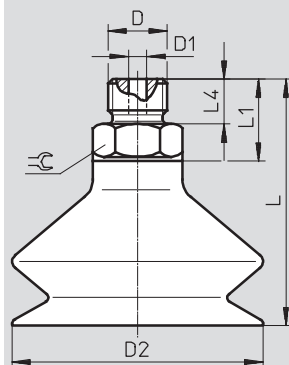
Technical data

Dimensions

Download CAD Data → www.festo.com/us/cad

VASB-...-SI-B

VASB-...-PUR-B



2 Sealing ring

Type	Connection D	D1 Ø	D2 Ø	L	L1	L2	L3	L4	≡C
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
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

Suction cups VASB-...-SI-B/PUR-B, bellows

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Technical data

Ordering data				
Suction cup diameter [mm]	Vacuum port	Weight [g]	Part No.	Type
VMQ (silicone)				
8	M5	2	1394696	VASB-8-M5-SI-B
15	G $\frac{1}{8}$	4	1377689	VASB-15- $\frac{1}{8}$ -SI-B
30	G $\frac{1}{8}$	7	1377637	VASB-30- $\frac{1}{8}$ -SI-B
40	G $\frac{1}{4}$	18	1372910	VASB-40- $\frac{1}{4}$ -SI-B
55	G $\frac{1}{4}$	29	1373812	VASB-55- $\frac{1}{4}$ -SI-B
75	G $\frac{1}{4}$	78	1378427	VASB-75- $\frac{1}{4}$ -SI-B
100	G $\frac{1}{4}$	132	1382277	VASB-100- $\frac{1}{4}$ -SI-B
125	G $\frac{3}{8}$	247	1387375	VASB-125- $\frac{3}{8}$ -SI-B
Polyurethane				
8	M5	3	1395637	VASB-8-M5-PUR-B
15	G $\frac{1}{8}$	3	1395671	VASB-15- $\frac{1}{8}$ -PUR-B
30	G $\frac{1}{8}$	5	1395690	VASB-30- $\frac{1}{8}$ -PUR-B
40	G $\frac{1}{4}$	6	1395691	VASB-40- $\frac{1}{4}$ -PUR-B
55	G $\frac{1}{4}$	8	1396063	VASB-55- $\frac{1}{4}$ -PUR-B
75	G $\frac{1}{4}$	10	1396064	VASB-75- $\frac{1}{4}$ -PUR-B
100	G $\frac{1}{4}$	12	1396066	VASB-100- $\frac{1}{4}$ -PUR-B
125	G $\frac{3}{8}$	14	1396067	VASB-125- $\frac{3}{8}$ -PUR-B

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Festo North America

Festo Regional Contact Center

5300 Explorer Drive
Mississauga, Ontario L4W 5G4
Canada

USA Customers:

For ordering assistance,

Call: 1.800.99.FESTO (1.800.993.3786)

Fax: 1.800.96.FESTO (1.800.963.3786)

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For technical support,

Call: 1.866.GO.FESTO (1.866.463.3786)

Fax: 1.800.96.FESTO (1.800.963.3786)

Email: product.support@us.festo.com

Canadian Customers:

Call: 1.877.GO.FESTO (1.877.463.3786)

Fax: 1.877.FX.FESTO (1.877.393.3786)

Email: festo.canada@ca.festo.com

USA Headquarters

Festo Corporation
395 Moreland Road
P.O. Box 18023
Hauppauge, NY 11788, USA
www.festo.com/us

USA Sales Offices

Appleton

North 922 Tower View Drive, Suite N
Greenville, WI 54942, USA

Boston

120 Presidential Way, Suite 330
Woburn, MA 01801, USA

Chicago

1441 East Business Center Drive
Mt. Prospect, IL 60056, USA

Dallas

1825 Lakeway Drive, Suite 600
Lewisville, TX 75057, USA

Detroit – Automotive Engineering Center

2601 Cambridge Court, Suite 320
Auburn Hills, MI 48326, USA

New York

395 Moreland Road
Hauppauge, NY 11788, USA

Silicon Valley

4935 Southfront Road, Suite F
Livermore, CA 94550, USA

United States



USA Headquarters, East: Festo Corp., 395 Moreland Road, Hauppauge, NY 11788

Phone: 1.631.435.0800; Fax: 1.631.435.8026;

Email: info@festo-usa.com

www.festo.com/us

Canada



Headquarters: Festo Inc., 5300 Explorer Drive, Mississauga, Ontario L4W 5G4

Phone: 1.905.624.9000; Fax: 1.905.624.9001;

Email: festo.canada@ca.festo.com

www.festo.ca

Mexico



Headquarters: Festo Pneumatic, S.A., Av. Ceylán 3, Col. Tequesquahuac,
54020 Tlalneapantla, Edo. de México

Phone: 011 52 [55] 53 21 66 00; Fax: 011 52 [55] 53 21 66 65;

Email: festo.mexico@mx.festo.com

www.festo.com/mx

Central USA

Festo Corporation
1441 East Business
Center Drive
Mt. Prospect, IL 60056, USA
Phone: 1.847.759.2600
Fax: 1.847.768.9480



Western USA

Festo Corporation
4935 Southfront Road,
Suite F
Livermore, CA 94550, USA
Phone: 1.925.371.1099
Fax: 1.925.245.1286



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