

Vacuum Pad for Eggs



Food Sanit.
Act Japan
Compliant*

Improving
the
productivity!!

FDA
Compliant*



*Compliant only at the workpiece contact area.
See page 4 for the details.

Applicable to various processes, from egg collection to egg processing.

Vacuum Pad for Eggs can be used in

Collecting



Washing



Sorting



Packing



Processing



>>> <https://www.pisco.co.jp/en/>

Characteristics

- ✓ **Featuring a double-lip structure** (Patent pending), it improves the productivity.

Its shape perfectly fits eggs, enabling stable suction of randomly oriented chicken eggs.

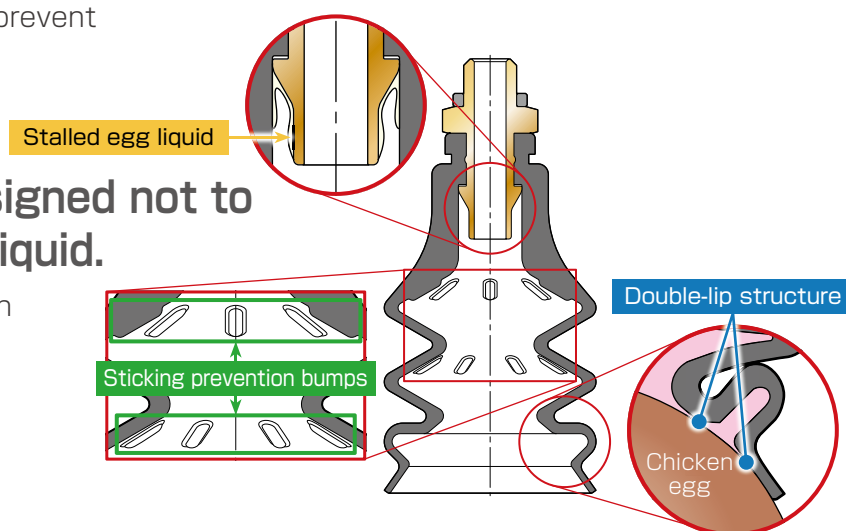
- ✓ **Special Pad Holder with liquid suction reduction design** (Patent pending) is available.

Effective by the use of Special Pad Holder + Vacuum Pad for Eggs, type A.

*This design does not completely prevent liquid suction.

- ✓ **The bellows part is designed not to stick together by egg liquid.**

Sticking can be reduced even when the egg liquid inside gets solid.



- ✓ **Designed to pursue the stable posture during the chicken egg conveyance.**

- ✓ **Two selections of rubber hardness, 30° (black) and 40° (clear white).**



Black reveals the dirt: A new standard for maintenance.



40° is more suitable for high-speed conveyance or where the stable posture is required.

- ✓ **Rubber material: Silicone, Pad dia.: 40 mm**
- ✓ **Fluoro-coating type** (optional) **reduces the cleaning time of the vacuum pad significantly.**
- ✓ **Using the flow-regulated holder** (optional), it is possible to suction approximately half of 30 eggs in the standard tray.

Simply by changing holders, the required number of eggs can be suctioned even with a single vacuum source. It significantly reduces labor and costs.

Model Designation of Vacuum Pad only (Example)

VP (1) **40** (2) **EGG** (3) **A** (4) **S3** (5) **-FG** (6)

1. Vacuum Pad

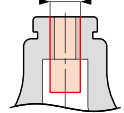
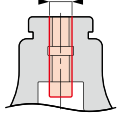
2. Pad size

Code	40
Pad size (mm)	ø40

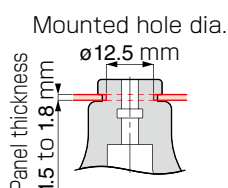
3. Pad type

Code	EGG
Type	For Eggs

4. Pad connection type/size

Code	A	B	C
	Mount type	Insert type	
Type/size	For Pad Holder with liquid suction reduction design	O.D. of inserting part For 7 to 9 mm	O.D. of inserting part For 5 to 6 mm
			

* All types (A, B and C) can also be mounted in a 12.5 mm hole on a panel with 1.5 to 1.8 mm thickness.



5. Pad material

Code	S3	S4
Material	Silicone	
Pad hardness	30°	40°
Pad color	Black	Clear white

6. Surface treatment (Optional)

Code	No code	-FG
Surface treatment	—	Fluoro-coating

Model Designation of Pad Holder with Liquid Suction Reduction Design (Example)

VP (1) **E** (2) **-EGG9** (3) **-L** (4) **-M10** (5) **-S3** (6)

1. Vacuum Pad

2. Holder type

Code	E
Type	Fixed type/Direct mount

3. Connection configuration code

Code	-EGG9
Connection	Mount type (Direct connection) exclusive to Vacuum Pad for Eggs

4. Flow-regulated spec. (Optional)

Code	No code	-L
Spec.	Standard	Flow-regulated spec.

5. Vacuum port size and joint type

	Metric male thread	Parallel pipe male thread
Code	-M10	-G1
Thread size	M10×1.5	G1/8

6. -S3 spec. (Optional)

Code	No code	-S3
Metal material	Standard	No copper-based metallic materials used in flow paths

Model Designation of Vacuum Pad + Pad Holder (Example)

VP (1)	E (2)	40 (3)	EGG (4)	A (5)	S3 (6)	-FG (7)	-L (8)	-M10 (9)	-S3 (10)
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1. Vacuum Pad

2. Holder type

Code	E
Type	Fixed type/Direct mount

3. Pad size

Code	40
Pad size (mm)	ø40

4. Pad type

Code	EGG
Type	For Eggs

5. Pad connection type

Code	A
Type	For Pad Holder with liquid suction reduction design

6. Pad material

Code	S3	S4
Material	Silicone	
Pad hardness	30°	40°
Pad color	Black	Clear white

7. Surface treatment (Optional)

Code	No code	-FG
Surface treatment	—	Fluoro-coating

8. Flow-regulated spec. (Optional)

Code	No code	-L
Spec.	Standard	Flow-regulated spec.

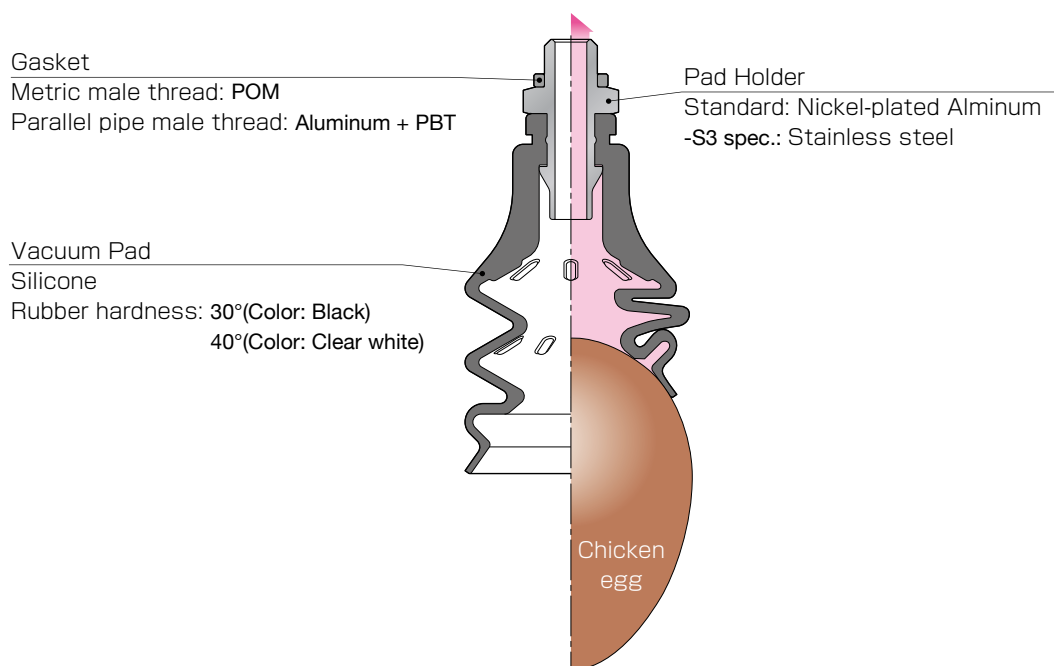
9. Vacuum port size and joint type

	Metric male thread	Parallel pipe male thread
Code	-M10	-G1
Thread size	M10×1.5	G1/8

10. -S3 spec. (Optional)

Code	No code	-S3
Metal material	Standard	No copper-based metallic materials used in flow paths

Sectional Drawing



△ Detailed Safety Instructions

- △ **Cautions** Pad Holder with liquid suction reduction design does not completely prevent liquid suction into the piping. Wash it periodically.

Food Sanitation Act Japan Compliance

Materials comply with testing described in Food Sanitation Law, Article 18, Specifications and Standards for Food, Food Additives, Etc. (Ministry of Health and Welfare Notification No. 370, 1959) and with Article 18, Paragraph 3 (Positive List System) of the Revised Law.

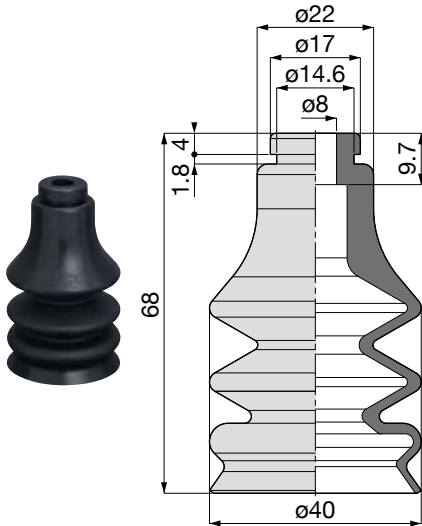
FDA (U.S. Food and Drug Administration) Compliance

Materials comply with the FDA 21 CFR § 177.2600 "Rubber Articles Intended for Repeated Use" test.

Outline Dimensional Drawing of Vacuum Pad only

VP Vacuum Pad only

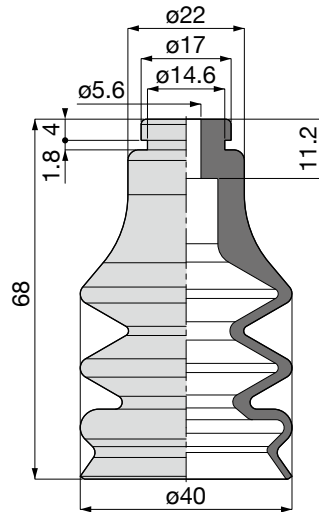
■ For Pad Holder with liquid suction reduction design (PISCO holder)
Model code: **VP40EGGA**^{[5][6]}



Unit: mm

Model code	Allowable push-down stroke	Weight (g)
VP40EGGAS3	23.4	25
VP40EGGAS3-FG	23.4	23
VP40EGGAS4	21.8	25
VP40EGGAS4-FG	21.8	24

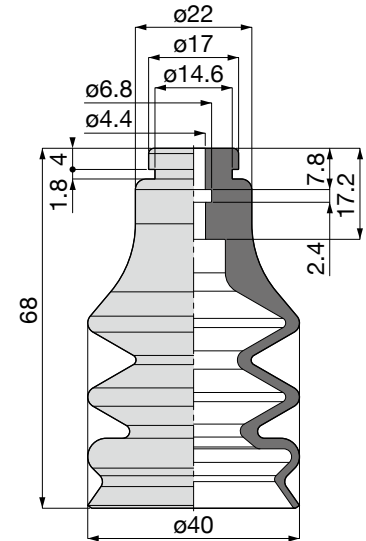
■ For O.D. of inserting part $\varnothing 7$ to $\varnothing 9$
Model code: **VP40EGGB**^{[5][6]}



Unit: mm

Model code	Allowable push-down stroke	Weight (g)
VP40EGGBS3	23.4	24
VP40EGGBS3-FG	23.4	24
VP40EGGBS4	21.8	25
VP40EGGBS4-FG	21.8	25

■ For O.D. of inserting part $\varnothing 5$ to $\varnothing 6$
Model code: **VP40EGGC**^{[5][6]}



Unit: mm

Model code	Allowable push-down stroke	Weight (g)
VP40EGGCS3	23.4	25
VP40EGGCS3-FG	23.4	25
VP40EGGCS4	21.8	25
VP40EGGCS4-FG	21.8	25

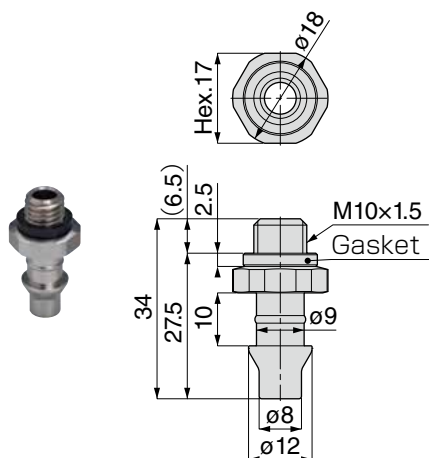
*The allowable push-down stroke is an evaluated value with egg models.

Outline Dimensional Drawing of Pad Holder with liquid suction reduction design

VPE Fixed type/Direct mount

■ Metric male thread type

Model code: **VPE-EGG9**^[4]-**M10**^[6]

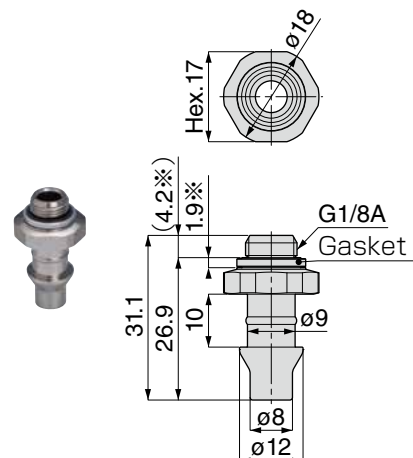


Unit: mm

Model code	Weight (g)	
	[6] : No code	[6] : -S3
VPE-EGG9-M10 ^[6]	6.2	17
VPE-EGG9-L-M10 ^[6]	7.2	20

■ Parallel pipe male thread type

Model code: **VPE-EGG9**^[4]-**G1**^[6]



Unit: mm

Model code	Weight (g)	
	[6] : No code	[6] : -S3
VPE-EGG9-G1 ^[6]	5.7	16
VPE-EGG9-L-G1 ^[6]	6.7	19

*Referential dimension before tightening thread.

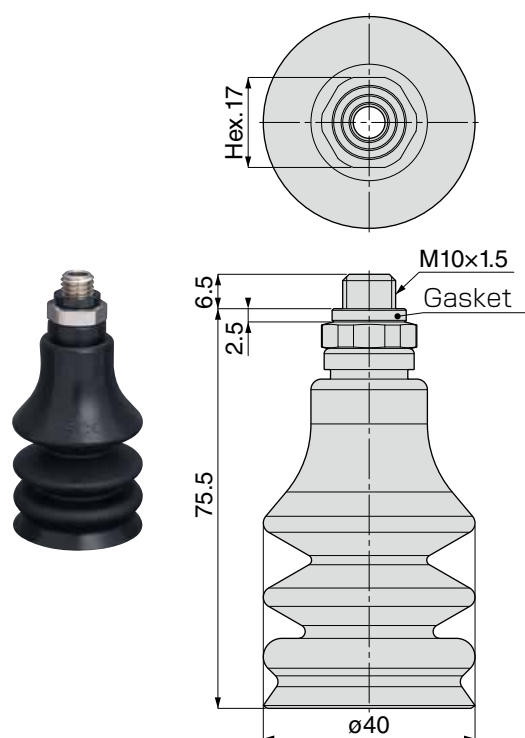
Tightening the thread compresses the gasket, changing the dimension by approx. 0.4 mm.

Outline Dimensional Drawing of Vacuum Pad + Pad Holder

VPE Fixed type/Direct mount

■ Metric male thread type

Model code: **VPE40EGGA** **6** **7** **8** - **M10** **10**

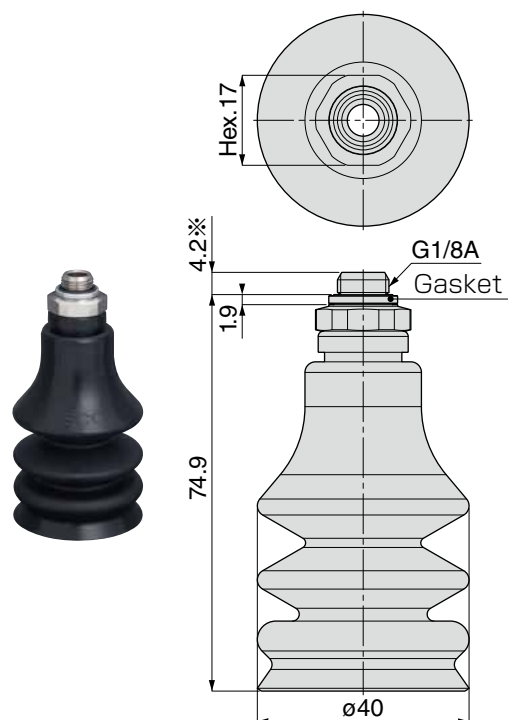


Unit: mm

Model code	Weight (g)	
	10 : No code	10 : -S3
VPE40EGGAS3-M1010	32	42
VPE40EGGAS3-FG-M1010	30	40
VPE40EGGAS3-L-M1010	33	45
VPE40EGGAS3-FG-L-M1010	31	43
VPE40EGGAS4-M1010	32	42
VPE40EGGAS4-FG-M1010	31	41
VPE40EGGAS4-L-M1010	33	45
VPE40EGGAS4-FG-L-M1010	32	44

■ Parallel pipe male thread type

Model code: **VPE40EGGA** **6** **7** **8** - **G1** **10**



Unit: mm

Model code	Weight (g)	
	10 : No code	10 : -S3
VPE40EGGAS3-G110	31	41
VPE40EGGAS3-FG-G110	29	39
VPE40EGGAS3-L-G110	32	44
VPE40EGGAS3-FG-L-G110	30	42
VPE40EGGAS4-G110	31	41
VPE40EGGAS4-FG-G110	30	40
VPE40EGGAS4-L-G110	32	44
VPE40EGGAS4-FG-L-G110	31	43

*Referential dimension before tightening thread.

Tightening the thread compresses the gasket, changing the dimension by approx. 0.4 mm.

PISCO

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