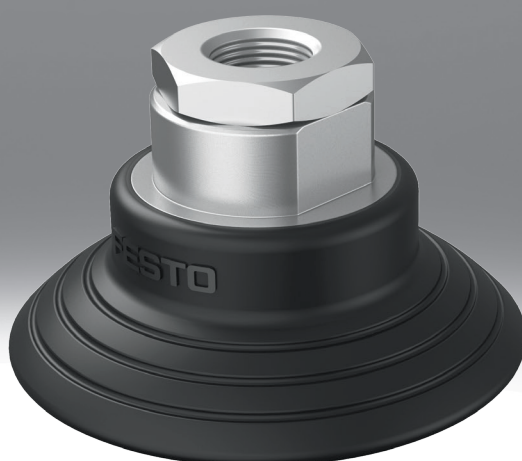


## Suction cup with connection OGVM

**FESTO**



Characteristics

At a glance

The suction cups with connection are used for handling components in the metal industry. Examples include the automotive industry and large household appliances. The suction cups with connection enable sheet metal and components to be handled highly dynamically. The suction cup geometry ensures minimum suction times, high inherent stability in the suctioned state and for absorbing holding and transverse forces, even on oiled surfaces. This is made possible by the special structure of the inside of the suction cup.

Engineering tools [Link smart-vacuum](#)

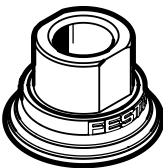


Save time with engineering tools: Smart engineering for the optimal solution. Our goal is to increase your productivity. Our engineering tools play an integral part in achieving this goal. They help you size your system correctly, tap into unimagined productivity reserves and generate additional productivity 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.

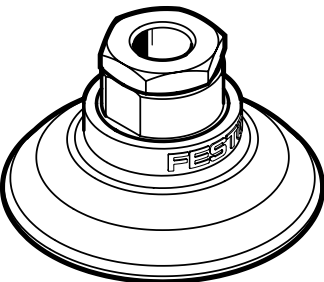
The vacuum engineering tool provides you with a product recommendation based on your vacuum application requirements. After entering a number of parameters, the vacuum calculator recommends the Festo products required for an optimum solution.

Suction cup shape

[S] Round, standard



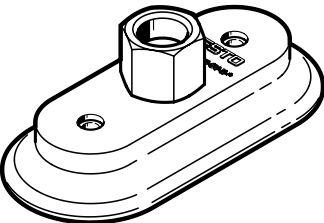
[G] Round, bell shape



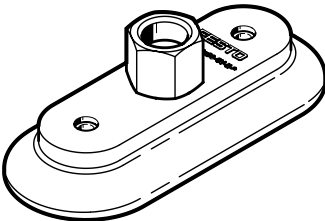
[A] Round, bellows, 1.5 convolutions



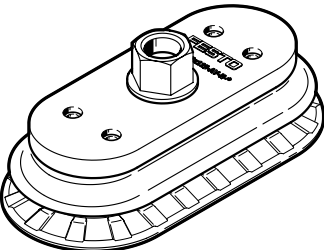
[SV] Oval, standard



[GV] Oval, bell-shaped



[AV] Oval, bellows, 1.5 convolutions



## Characteristics

### Vacuum port

Vacuum connections with female thread or with rectangular adapter are available.

[G14] G1/4



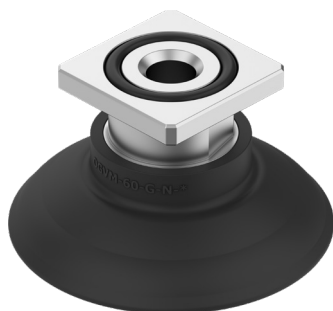
Female thread G1/4

[G38] G3/8



Female thread G3/8

[RA] Rectangular adapter



Rectangular adapter

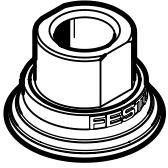
## Type code

|        |                      |  |
|--------|----------------------|--|
| 001    | Series               |  |
| OGVM   | Suction cup complete |  |
| 002    | Suction cup size     |  |
| 16x55  | 16x55 mm             |  |
| 20     | 20 mm diameter       |  |
| 20x60  | 20x60 mm             |  |
| 20x65  | 20x65 mm             |  |
| 30     | 30 mm diameter       |  |
| 30x65  | 30x65 mm             |  |
| 30x80  | 30x80 mm             |  |
| 30x95  | 30x95 mm             |  |
| 40     | 40 mm diameter       |  |
| 40x85  | 40x85 mm             |  |
| 40x90  | 40x90 mm             |  |
| 45     | 45 mm diameter       |  |
| 50     | 50 mm diameter       |  |
| 50x105 | 50x105 mm            |  |
| 55x115 | 55x115 mm            |  |
| 60     | 60 mm diameter       |  |
| 60x125 | 60x125 mm            |  |
| 70x145 | 70x145 mm            |  |
| 80     | 80 mm diameter       |  |
| 100    | 100 mm diameter      |  |
| 125    | 125 mm diameter      |  |

|     |                                  |  |
|-----|----------------------------------|--|
| 003 | Suction cup shape                |  |
| A   | Round, bellows, 1.5 convolutions |  |
| AV  | Oval, bellows, 1.5 convolutions  |  |
| G   | Round, bell shape                |  |
| GV  | Oval, bell-shaped                |  |
| S   | Round, standard                  |  |
| SV  | Oval, standard                   |  |
| 004 | Material                         |  |
| N   | Nitrile rubber                   |  |
| 005 | Vacuum port                      |  |
| G14 | G1/4                             |  |
| G38 | G3/8                             |  |
| RA  | Rectangular adapter              |  |
| 006 | Thread type                      |  |
|     | Male thread                      |  |
| F   | Female thread                    |  |

## Datasheet

## Technical data – OGVM, round, flat

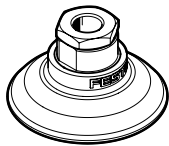


| Suction cup diameter                         | 30 mm                                                              | 40 mm   | 50 mm   | 60 mm  | 80 mm  | 100 mm | 125 mm  |
|----------------------------------------------|--------------------------------------------------------------------|---------|---------|--------|--------|--------|---------|
| Vacuum connection                            | Female thread G1/4<br>Female thread G3/8<br>Rectangular adapter RA |         |         |        |        |        |         |
| Nominal size                                 | 4 mm                                                               |         | 7 mm    | 8 mm   |        |        |         |
| Suction cup shape                            | Round, flat                                                        |         |         |        |        |        |         |
| Type of mounting                             | Via vacuum port                                                    |         |         |        |        |        |         |
| Position of connection                       | Top                                                                |         |         |        |        |        |         |
| Mounting position                            | optional                                                           |         |         |        |        |        |         |
| Min. workpiece radius                        | 35 mm                                                              | 37.5 mm | 45 mm   | 70 mm  |        | 100 mm | 135 mm  |
| Suction cup volume                           | 1.8 cm³                                                            | 4.4 cm³ | 8.4 cm³ | 15 cm³ | 35 cm³ | 68 cm³ | 132 cm³ |
| Holding force at nominal operating pressure  | 36 N                                                               | 53 N    | 90 N    | 120 N  | 225 N  | 351 N  | 606 N   |
| Lateral force at nominal operating pressure  | 35 N                                                               | 53 N    | 64 N    | 99 N   | 113 N  | 140 N  | 429 N   |
| Operating pressure                           | -95 ... 0 kPa                                                      |         |         |        |        |        |         |
| Operating pressure                           | -0.95 ... 0 bar                                                    |         |         |        |        |        |         |
| Operating pressure                           | -13.775 ... 0 psi                                                  |         |         |        |        |        |         |
| Nominal operating pressure                   | -60 kPa                                                            |         |         |        |        |        |         |
| Nominal operating pressure                   | -0.6 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                                      |         |         |        |        |        |         |
| Material suction cup                         | NBR                                                                |         |         |        |        |        |         |
| Material screwed plug                        | Wrought aluminium alloy                                            |         |         |        |        |        |         |
| Colour                                       | Black                                                              |         |         |        |        |        |         |
| Shore hardness                               | 60 +/- 5                                                           |         |         |        |        |        |         |
| Note on materials                            | RoHS-compliant                                                     |         |         |        |        |        |         |
| LABS (PWIS) conformity                       | VDMA24364-A1-L, VDMA24364-A1/A2-L                                  |         |         |        |        |        |         |

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

## Datasheet

## Technical data – OGVM, round, bell-shaped



| Suction cup diameter                         | 20 mm                                            | 30 mm               | 45 mm                                                              | 60 mm              | 80 mm              |
|----------------------------------------------|--------------------------------------------------|---------------------|--------------------------------------------------------------------|--------------------|--------------------|
| Vacuum connection                            | Female thread G1/4                               |                     | Female thread G1/4<br>Female thread G3/8<br>Rectangular adapter RA |                    |                    |
| Nominal size                                 | 3 mm                                             |                     | 4 mm                                                               | 6 mm               | 7 mm               |
| Suction cup shape                            | Round bell-shaped                                |                     |                                                                    |                    |                    |
| Type of mounting                             | Via vacuum port                                  |                     |                                                                    |                    |                    |
| Position of connection                       | Top                                              |                     |                                                                    |                    |                    |
| Mounting position                            | optional                                         |                     |                                                                    |                    |                    |
| Min. workpiece radius                        | 12.5 mm                                          | 17.5 mm             | 25 mm                                                              | 27.5 mm            | 45 mm              |
| Suction cup volume                           | 1.2 cm <sup>3</sup>                              | 2.6 cm <sup>3</sup> | 9.4 cm <sup>3</sup>                                                | 22 cm <sup>3</sup> | 48 cm <sup>3</sup> |
| Holding force at nominal operating pressure  | 18 N                                             | 32 N                | 77 N                                                               | 143 N              | 220 N              |
| Lateral force at nominal operating pressure  | 28 N                                             | 62 N                | 117 N                                                              | 216 N              | 241 N              |
| Operating pressure                           | -95 ... 0 kPa                                    |                     |                                                                    |                    |                    |
| Operating pressure                           | -0.95 ... 0 bar                                  |                     |                                                                    |                    |                    |
| Operating pressure                           | -13.775 ... 0 psi                                |                     |                                                                    |                    |                    |
| Nominal operating pressure                   | -60 kPa                                          |                     |                                                                    |                    |                    |
| Nominal operating pressure                   | -0.6 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                    |                     |                                                                    |                    |                    |
| Material suction cup                         | NBR                                              |                     |                                                                    |                    |                    |
| Material screwed plug                        | Wrought aluminium alloy                          |                     |                                                                    |                    |                    |
| Colour                                       | Black                                            |                     |                                                                    |                    |                    |
| Shore hardness                               | 60 +/- 5                                         |                     |                                                                    |                    |                    |
| Note on materials                            | RoHS-compliant                                   |                     |                                                                    |                    |                    |
| LABS (PWIS) conformity                       | VDMA24364-A1-L                                   |                     | VDMA24364-A1-L, VDMA24364-A1/A2-L                                  |                    |                    |

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

## Datasheet

## Technical data – OGVM, round, protective bellows 1.5-fold

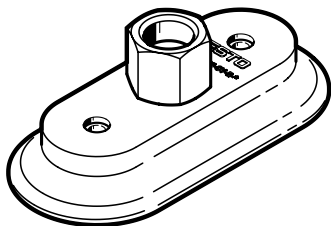


| Suction cup diameter                         | 20 mm                                                              | 30 mm   | 40 mm   | 50 mm  | 60 mm  | 80 mm  | 100 mm  | 125 mm  |
|----------------------------------------------|--------------------------------------------------------------------|---------|---------|--------|--------|--------|---------|---------|
| Vacuum connection                            | Female thread G1/4<br>Female thread G3/8<br>Rectangular adapter RA |         |         |        |        |        |         |         |
| Nominal size                                 | 4 mm                                                               |         |         | 7 mm   | 8 mm   |        |         |         |
| Suction cup shape                            | Round bellows 1.5 convolutions                                     |         |         |        |        |        |         |         |
| Type of mounting                             | Via vacuum port                                                    |         |         |        |        |        |         |         |
| Position of connection                       | Top                                                                |         |         |        |        |        |         |         |
| Mounting position                            | optional                                                           |         |         |        |        |        |         |         |
| Min. workpiece radius                        | 12.5 mm                                                            | 25 mm   | 30 mm   | 35 mm  | 40 mm  | 75 mm  | 90 mm   | 140 mm  |
| Suction cup volume                           | 2 cm³                                                              | 5.5 cm³ | 7.8 cm³ | 15 cm³ | 28 cm³ | 64 cm³ | 115 cm³ | 241 cm³ |
| Holding force at nominal operating pressure  | 15 N                                                               | 37 N    | 60 N    | 90 N   | 140 N  | 246 N  | 379 N   | 587 N   |
| Lateral force at nominal operating pressure  | 15 N                                                               | 31 N    | 62 N    | 72 N   | 126 N  | 225 N  | 346 N   | 426 N   |
| Operating pressure                           | -95 ... 0 kPa                                                      |         |         |        |        |        |         |         |
| Operating pressure                           | -0.95 ... 0 bar                                                    |         |         |        |        |        |         |         |
| Operating pressure                           | -13.775 ... 0 psi                                                  |         |         |        |        |        |         |         |
| Nominal operating pressure                   | -60 kPa                                                            |         |         |        |        |        |         |         |
| Nominal operating pressure                   | -0.6 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                                      |         |         |        |        |        |         |         |
| Material suction cup                         | NBR                                                                |         |         |        |        |        |         |         |
| Material screwed plug                        | Wrought aluminium alloy                                            |         |         |        |        |        |         |         |
| Colour                                       | Black                                                              |         |         |        |        |        |         |         |
| Shore hardness                               | 60 +/- 5                                                           |         |         |        |        |        |         |         |
| Note on materials                            | RoHS-compliant                                                     |         |         |        |        |        |         |         |
| LABS (PWIS) conformity                       | VDMA24364-A1-L, VDMA24364-A1/A2-L                                  |         |         |        |        |        |         |         |

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

## Datasheet

## Technical data – OGVM, oval, flat



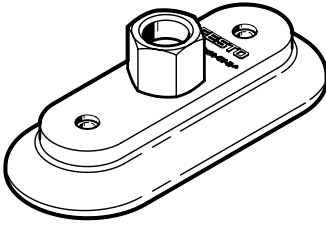
| Suction cup size                                     | 16x55 mm                                        | 20x65 mm            | 30x95 mm            | 40x85 mm           | 50x105 mm          | 60x125 mm          | 70x145 mm          |
|------------------------------------------------------|-------------------------------------------------|---------------------|---------------------|--------------------|--------------------|--------------------|--------------------|
| Vacuum connection                                    | Female thread G1/4                              |                     |                     |                    |                    |                    |                    |
| Nominal size                                         | 3 mm                                            | 6 mm                |                     |                    | 8 mm               |                    |                    |
| Suction cup shape                                    | Oval, flat                                      |                     |                     |                    |                    |                    |                    |
| Type of mounting                                     | Via vacuum port                                 |                     |                     |                    |                    |                    |                    |
| Position of connection                               | Top                                             |                     |                     |                    |                    |                    |                    |
| Mounting position                                    | optional                                        |                     |                     |                    |                    |                    |                    |
| Min. workpiece radius                                | 10 mm                                           | 20 mm               | 40 mm               | 50 mm              | 75 mm              |                    | 90 mm              |
| Suction cup volume                                   | 2 cm <sup>3</sup>                               | 3.6 cm <sup>3</sup> | 9.6 cm <sup>3</sup> | 13 cm <sup>3</sup> | 25 cm <sup>3</sup> | 44 cm <sup>3</sup> | 70 cm <sup>3</sup> |
| Holding force at nominal operating pressure          | 36 N                                            | 66 N                | 146 N               | 150 N              | 240 N              | 345 N              | 630 N              |
| Vertical lateral force at nominal operating pressure | 40 N                                            | 76 N                | 114 N               | 92 N               | 174 N              | 324 N              | 455 N              |
| Operating pressure                                   | -95 ... 0 kPa                                   |                     |                     |                    |                    |                    |                    |
| Operating pressure                                   | -0.95 ... 0 bar                                 |                     |                     |                    |                    |                    |                    |
| Operating pressure                                   | -13.775 ... 0 psi                               |                     |                     |                    |                    |                    |                    |
| Nominal operating pressure                           | -60 kPa                                         |                     |                     |                    |                    |                    |                    |
| Nominal operating pressure                           | -0.6 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                   |                     |                     |                    |                    |                    |                    |
| Material suction cup                                 | NBR                                             |                     |                     |                    |                    |                    |                    |
| Material screwed plug                                | Wrought aluminium alloy                         |                     |                     |                    |                    |                    |                    |
| Colour                                               | Black                                           |                     |                     |                    |                    |                    |                    |
| Shore hardness                                       | 60 +/- 5                                        |                     |                     |                    |                    |                    |                    |
| Note on materials                                    | RoHS-compliant                                  |                     |                     |                    |                    |                    |                    |
| LABS (PWIS) conformity                               | VDMA24364-A1-L                                  |                     |                     |                    |                    |                    |                    |

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



## Datasheet

## Technical data – OGVM, oval, bell-shaped

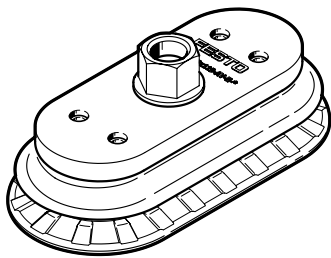


|                                                      |                                                                    |                    |          |
|------------------------------------------------------|--------------------------------------------------------------------|--------------------|----------|
| Suction cup size                                     | 20x60 mm                                                           | 30x80 mm           | 40x90 mm |
| Vacuum connection                                    | Female thread G1/4<br>Female thread G3/8<br>Rectangular adapter RA | Female thread G1/4 |          |
| Nominal size                                         | 6 mm                                                               |                    |          |
| Suction cup shape                                    | Oval, bell-shaped                                                  |                    |          |
| Type of mounting                                     | Via vacuum port                                                    |                    |          |
| Position of connection                               | Top                                                                |                    |          |
| Mounting position                                    | optional                                                           |                    |          |
| Min. workpiece radius                                | 12.5 mm                                                            | 20 mm              | 35 mm    |
| Suction cup volume                                   | 5 cm³                                                              | 10 cm³             | 15.8 cm³ |
| Holding force at nominal operating pressure          | 81 N                                                               | 120 N              | 311 N    |
| Vertical lateral force at nominal operating pressure | 103 N                                                              | 201 N              | 192 N    |
| Operating pressure                                   | -95 ... 0 kPa                                                      |                    |          |
| Operating pressure                                   | -0.95 ... 0 bar                                                    |                    |          |
| Operating pressure                                   | -13.775 ... 0 psi                                                  |                    |          |
| Nominal operating pressure                           | -60 kPa                                                            |                    |          |
| Nominal operating pressure                           | -0.6 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                                      |                    |          |
| Material suction cup                                 | NBR                                                                |                    |          |
| Material screwed plug                                | Wrought aluminium alloy                                            |                    |          |
| Colour                                               | Black                                                              |                    |          |
| Shore hardness                                       | 60 +/- 5                                                           |                    |          |
| Note on materials                                    | RoHS-compliant                                                     |                    |          |
| LABS (PWIS) conformity                               | VDMA24364-A1-L, VDMA24364-A1/A2-L                                  | VDMA24364-A1-L     |          |

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

## Datasheet

## Technical data – OGVM, oval, protective bellows 1.5-fold



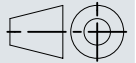
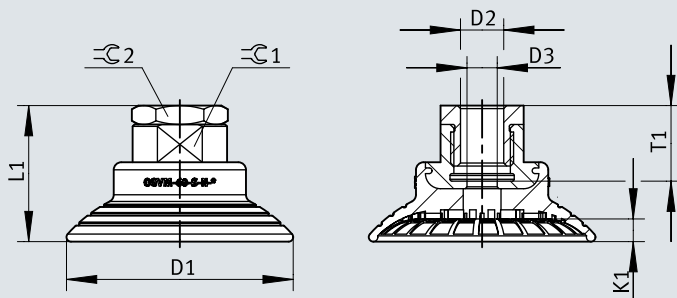
|                                                      |                                                                    |                    |           |           |
|------------------------------------------------------|--------------------------------------------------------------------|--------------------|-----------|-----------|
| Suction cup size                                     | 30x65 mm                                                           | 40x85 mm           | 55x115 mm | 70x145 mm |
| Vacuum connection                                    | Female thread G1/4<br>Female thread G3/8<br>Rectangular adapter RA | Female thread G1/4 |           |           |
| Nominal size                                         | 6 mm                                                               |                    | 8 mm      |           |
| Suction cup shape                                    | Oval, bellows, 1.5 convolutions                                    |                    |           |           |
| Type of mounting                                     | Via vacuum port                                                    |                    |           |           |
| Position of connection                               | Top                                                                |                    |           |           |
| Mounting position                                    | optional                                                           |                    |           |           |
| Min. workpiece radius                                | 15 mm                                                              | 30 mm              | 50 mm     | 70 mm     |
| Suction cup volume                                   | 11.5 cm³                                                           | 23.5 cm³           | 52 cm³    | 111 cm³   |
| Holding force at nominal operating pressure          | 66 N                                                               | 126 N              | 200 N     | 446 N     |
| Vertical lateral force at nominal operating pressure | 104 N                                                              | 173 N              | 234 N     | 317 N     |
| Operating pressure                                   | -95 ... 0 kPa                                                      |                    |           |           |
| Operating pressure                                   | -0.95 ... 0 bar                                                    |                    |           |           |
| Operating pressure                                   | -13.775 ... 0 psi                                                  |                    |           |           |
| Nominal operating pressure                           | -60 kPa                                                            |                    |           |           |
| Nominal operating pressure                           | -0.6 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                                      |                    |           |           |
| Material suction cup                                 | NBR                                                                |                    |           |           |
| Material screwed plug                                | Wrought aluminium alloy                                            |                    |           |           |
| Colour                                               | Black                                                              |                    |           |           |
| Shore hardness                                       | 60 +/- 5                                                           |                    |           |           |
| Note on materials                                    | RoHS-compliant                                                     |                    |           |           |
| LABS (PWIS) conformity                               | VDMA24364-A1-L, VDMA24364-A1/A2-L                                  | VDMA24364-A1-L     |           |           |

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

## Dimensions

Dimensions – OGVM with female thread, round, flat

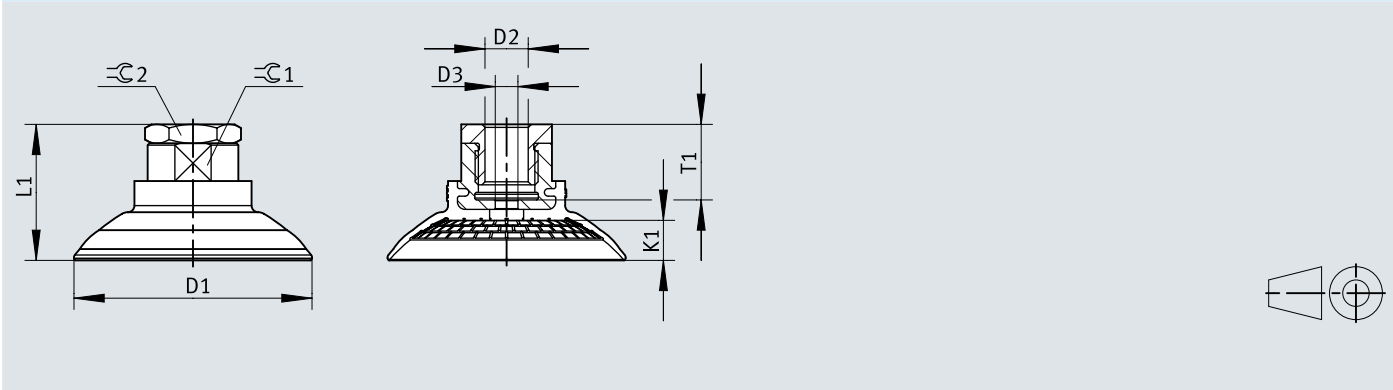
Download CAD data [www.festo.com](http://www.festo.com)



|                   | D1<br>ø | D2   | D3<br>ø | K1   | L1   | T1 | ⌀ 1 | ⌀ 2 |
|-------------------|---------|------|---------|------|------|----|-----|-----|
| OGVM-30-S-N-G14F  | 30      | G1/4 | 4       | 3    | 20   | 12 | –   | 17  |
| OGVM-40-S-N-G14F  | 40      | G1/4 | 4       | 4    | 22   | 12 | –   | 17  |
| OGVM-50-S-N-G14F  | 50      | G1/4 | 7       | 5    | 33   | 20 | –   | 22  |
| OGVM-60-S-N-G14F  | 60      | G1/4 | 8       | 6    | 36   | 20 | –   | 22  |
| OGVM-80-S-N-G14F  | 80      | G1/4 | 8       | 8    | 40   | 20 | –   | 22  |
| OGVM-100-S-N-G14F | 100     | G1/4 | 8       | 9,5  | 41   | 20 | –   | 22  |
| OGVM-125-S-N-G14F | 125     | G1/4 | 8       | 12,5 | 48   | 20 | –   | 22  |
| OGVM-30-S-N-G38F  | 30      | G3/8 | 4       | 3    | 36,5 | 30 | 20  | 17  |
| OGVM-40-S-N-G38F  | 40      | G3/8 | 4       | 4    | 39   | 30 | 20  | 17  |
| OGVM-50-S-N-G38F  | 50      | G3/8 | 7       | 5    | 28,5 | 15 | 22  | 22  |
| OGVM-60-S-N-G38F  | 60      | G3/8 | 8       | 6    | 31,5 | 15 | 22  | 22  |
| OGVM-80-S-N-G38F  | 80      | G3/8 | 8       | 8    | 35,5 | 15 | 22  | 22  |
| OGVM-100-S-N-G38F | 100     | G3/8 | 8       | 9,5  | 36   | 15 | 22  | 22  |
| OGVM-125-S-N-G38F | 125     | G3/8 | 8       | 12,5 | 43   | 15 | 22  | 22  |

Dimensions

Dimensions – OGVM with female thread, round, bell-shaped Download CAD data [www.festo.com](http://www.festo.com)

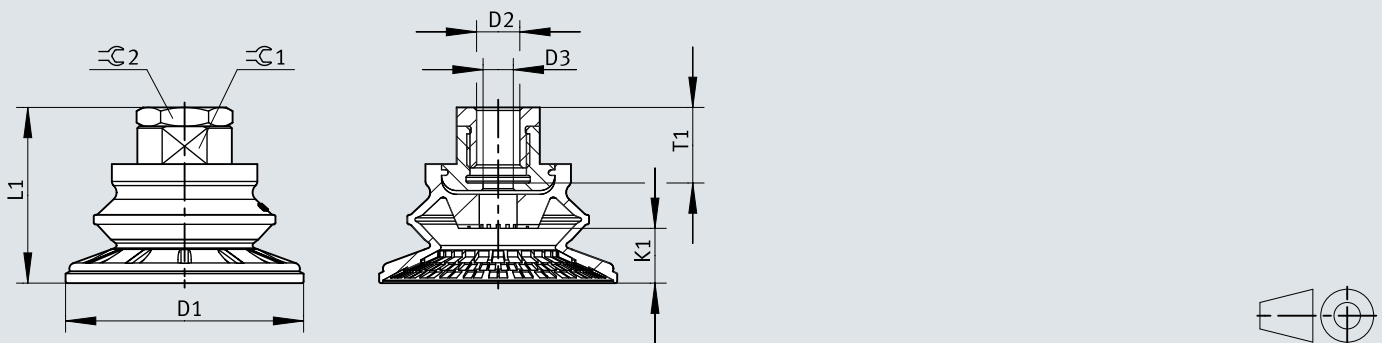


|                    | D1<br>ø | D2   | D3<br>ø | K1   | L1   | T1 | ⌀ 1 | ⌀ 2 |
|--------------------|---------|------|---------|------|------|----|-----|-----|
| OGVM-20-G-...-G14F | 22      | G1/4 | 3       | 4    | 22   | 12 | 15  | –   |
| OGVM-30-G-...-G14F | 30      | G1/4 | 3       | 5    | 22   | 12 | 15  | –   |
| OGVM-45-G-...-G14F | 47      | G1/4 | 4       | 7,8  | 24,5 | 12 | 17  | –   |
| OGVM-60-G-...-G14F | 63      | G1/4 | 6       | 11   | 36   | 20 | 22  | –   |
| OGVM-80-G-...-G14F | 83      | G1/4 | 7       | 12,8 | 40   | 20 | 22  | –   |
| OGVM-45-G-...-G38F | 47      | G3/8 | 4       | 7,8  | 41   | 30 | 17  | 20  |
| OGVM-60-G-...-G38F | 63      | G3/8 | 6       | 11   | 31   | 15 | 22  | –   |
| OGVM-80-G-...-G38F | 83      | G3/8 | 7       | 12,8 | 35   | 15 | 22  | –   |

## Dimensions

Dimensions – OGVM with female thread, round, protective bellows, 1.5 convolutions

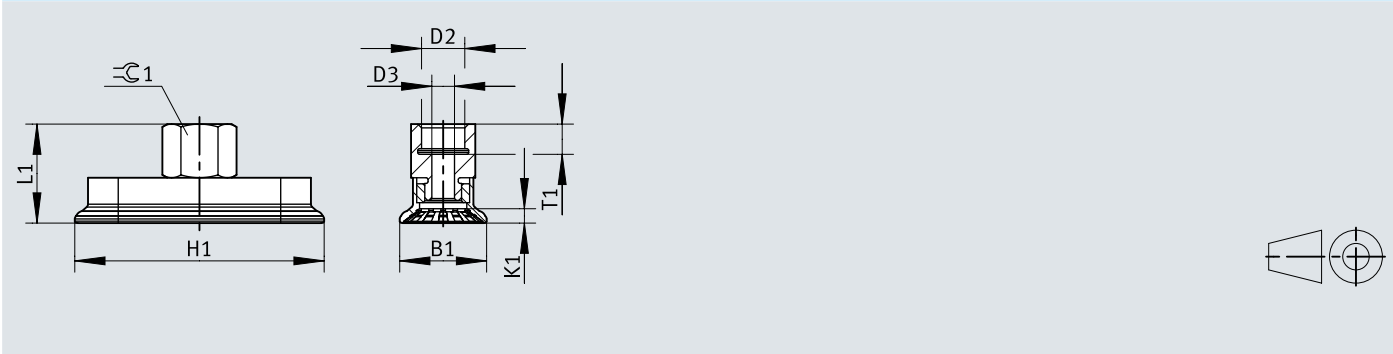
Download CAD data [www.festo.com](http://www.festo.com)



|                     | D1<br>Ø | D2   | D3<br>Ø | K1   | L1   | T1 | ⊖ 1 | ⊖ 2 |
|---------------------|---------|------|---------|------|------|----|-----|-----|
| OGVM-20-A-...-G14F  | 22      | G1/4 | 4       | 5,8  | 25   | 12 | 17  | –   |
| OGVM-30-A-...-G14F  | 32      | G1/4 | 4       | 9    | 28   | 12 | 17  | –   |
| OGVM-40-A-...-G14F  | 42      | G1/4 | 4       | 10   | 29   | 12 | 17  | –   |
| OGVM-50-A-...-G14F  | 52      | G1/4 | 7       | 11,5 | 42   | 20 | 22  | –   |
| OGVM-60-A-...-G14F  | 63      | G1/4 | 8       | 14,5 | 46,5 | 20 | 22  | –   |
| OGVM-80-A-...-G14F  | 83      | G1/4 | 8       | 22   | 55   | 20 | 22  | –   |
| OGVM-100-A-...-G14F | 103     | G1/4 | 8       | 26   | 62   | 20 | 22  | –   |
| OGVM-125-A-...-G14F | 128     | G1/4 | 8       | 32   | 73   | 20 | 22  | –   |
| OGVM-20-A-...-G38F  | 22      | G3/8 | 4       | 5,8  | 41   | 30 | 17  | 20  |
| OGVM-30-A-...-G38F  | 32      | G3/8 | 4       | 9    | 44   | 30 | 17  | 20  |
| OGVM-40-A-...-G38F  | 42      | G3/8 | 4       | 10   | 45,5 | 30 | 17  | 20  |
| OGVM-50-A-...-G38F  | 52      | G3/8 | 7       | 11,5 | 37   | 15 | 22  | –   |
| OGVM-60-A-...-G38F  | 63      | G3/8 | 8       | 14,5 | 41,5 | 15 | 22  | –   |
| OGVM-80-A-...-G38F  | 83      | G3/8 | 8       | 22   | 49   | 15 | 22  | –   |
| OGVM-100-A-...-G38F | 103     | G3/8 | 8       | 26   | 54   | 15 | 22  | –   |
| OGVM-125-A-...-G38F | 128     | G3/8 | 8       | 32   | 65   | 15 | 22  | –   |

Dimensions

Dimensions – OGVM with female thread, oval, flat Download CAD data [www.festo.com](http://www.festo.com)

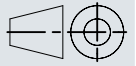
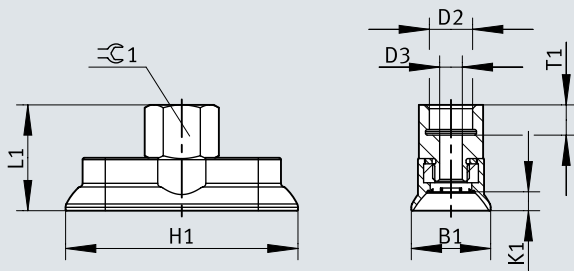


|                         | B1 | D2   | D3<br>ø | H1  | K1 | L1 | T1 | ⌀ 1 |
|-------------------------|----|------|---------|-----|----|----|----|-----|
| OGVM-16X55-SV-...-G14F  | 16 | G1/4 | 3       | 56  | 3  | 34 | 8  | 17  |
| OGVM-20X65-SV-...-G14F  | 23 | G1/4 | 6       | 66  | 3  | 26 | 8  | 17  |
| OGVM-30X95-SV-...-G14F  | 32 | G1/4 | 6       | 97  | 3  | 27 | 8  | 17  |
| OGVM-40X85-SV-...-G14F  | 40 | G1/4 | 6       | 86  | 4  | 28 | 8  | 17  |
| OGVM-50X105-SV-...-G14F | 50 | G1/4 | 8       | 106 | 5  | 30 | 8  | 17  |
| OGVM-60X125-SV-...-G14F | 60 | G1/4 | 8       | 127 | 6  | 32 | 8  | 17  |
| OGVM-70X145-SV-...-G14F | 70 | G1/4 | 8       | 146 | 7  | 33 | 8  | 17  |

## Dimensions

Dimensions – OGVM with female thread, oval, bell-shaped

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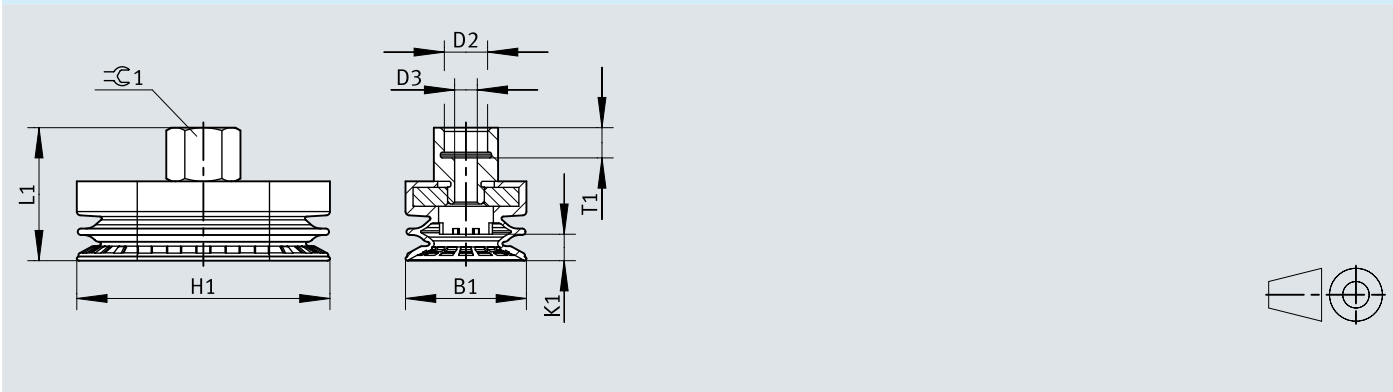


|                        | B1   | D2   | D3<br>Ø | H1   | K1 | L1   | T1 | ⌀ 1 |
|------------------------|------|------|---------|------|----|------|----|-----|
| OGVM-20X60-GV-...-G14F | 21   | G1/4 | 6       | 61,5 | 5  | 28   | 8  | 17  |
| OGVM-30X80-GV-...-G14F | 31   | G1/4 | 6       | 81   | 6  | 29   | 8  | 17  |
| OGVM-40X90-GV-...-G14F | 40,5 | G1/4 | 6       | 95,5 | 6  | 29   | 8  | 17  |
| OGVM-20X60-GV-...-G38F | 21   | G3/8 | 6       | 61,5 | 6  | 28,5 | 8  | 22  |

Dimensions

Dimensions – OGVM with female thread, oval, protective bellows 1.5 convolutions

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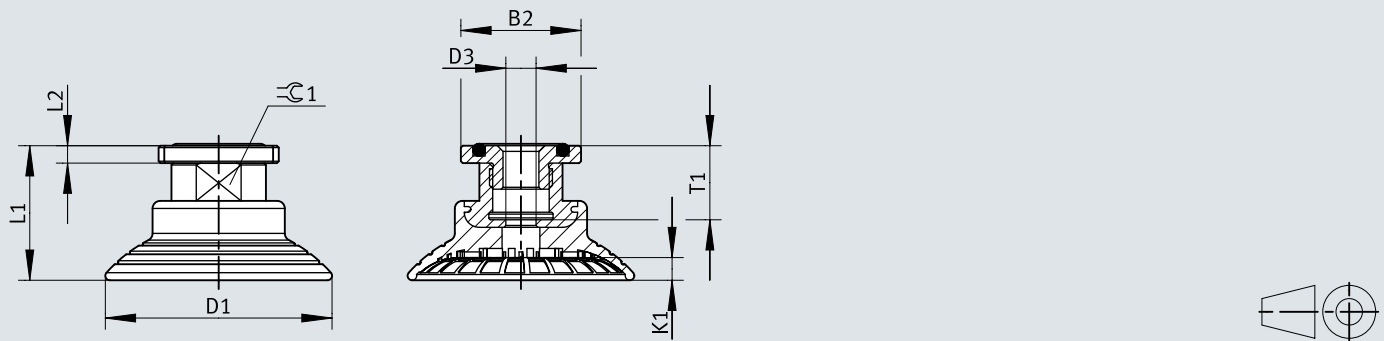
|                         | B1 | D2   | D3<br>ø | H1  | K1   | L1   | T1 | ⌀ 1 |
|-------------------------|----|------|---------|-----|------|------|----|-----|
| OGVM-30X65-AV-...-G14F  | 32 | G1/4 | 6       | 67  | 7    | 35   | 8  | 17  |
| OGVM-40X85-AV-...-G14F  | 42 | G1/4 | 6       | 87  | 9    | 38   | 8  | 17  |
| OGVM-55X115-AV-...-G14F | 56 | G1/4 | 8       | 118 | 13   | 43   | 8  | 17  |
| OGVM-70X145-AV-...-G14F | 72 | G1/4 | 8       | 148 | 16,5 | 47   | 8  | 17  |
| OGVM-30X65-AV-...-G38F  | 32 | G3/8 | 6       | 67  | 7    | 34,5 | 8  | 22  |



## Dimensions

Dimensions – OGVM with rectangular adapter, round, flat

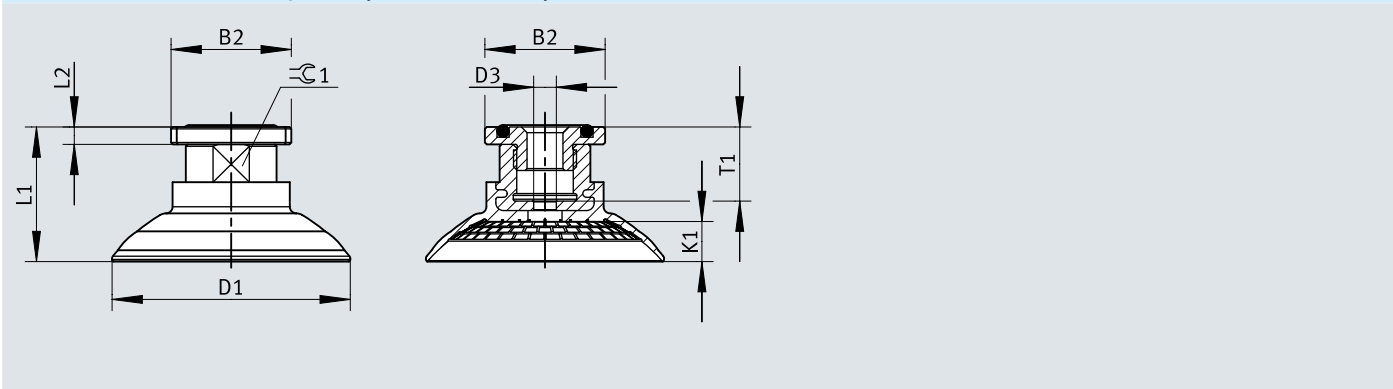
Download CAD data [www.festo.com](http://www.festo.com)



|                 | B2   | D1<br>Ø | D3<br>Ø | K1   | L1   | L2  | T1   | ☉ 1 |
|-----------------|------|---------|---------|------|------|-----|------|-----|
| OGVM-30-S-N-RA  | 31,8 | 30      | 3       | 3    | 24,6 | 4,6 | 16,6 | 17  |
| OGVM-40-S-N-RA  | 31,8 | 40      | 4       | 4    | 26,6 | 4,6 | 16,6 | 17  |
| OGVM-50-S-N-RA  | 31,8 | 50      | 6       | 5    | 32,6 | 4,6 | 20   | 22  |
| OGVM-60-S-N-RA  | 31,8 | 60      | 7       | 6    | 36   | 4,6 | 16,6 | 22  |
| OGVM-80-S-N-RA  | 31,8 | 80      | 3       | 8    | 40   | 4,6 | 19,5 | 22  |
| OGVM-100-S-N-RA | 31,8 | 100     | 3       | 9,5  | 40   | 4,6 | 16,6 | 22  |
| OGVM-125-S-N-RA | 31,8 | 125     | 4       | 12,5 | 48,3 | 4,6 | 16,6 | 22  |

Dimensions

Dimensions – OGVM with rectangular adapter, round, bell-shaped Download CAD data [www.festo.com](http://www.festo.com)

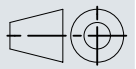
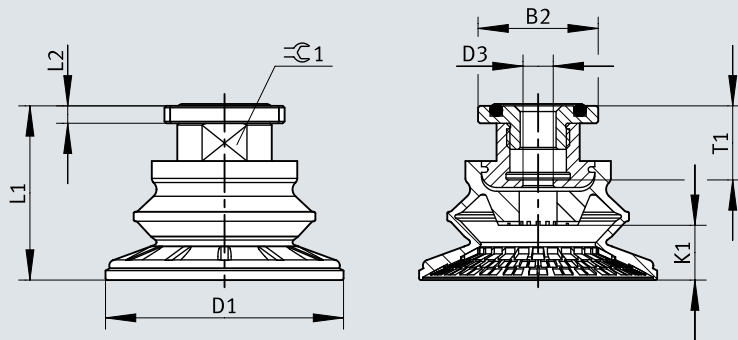


|                  | B2   | D1<br>ø | D3<br>ø | K1   | L1   | L2  | T1   | ⌀ 1 |
|------------------|------|---------|---------|------|------|-----|------|-----|
| OGVM-45-G-...-RA | 31,8 | 47      | 4       | 7,8  | 29,1 | 4,6 | 16,6 | 17  |
| OGVM-60-G-...-RA | 31,8 | 63      | 6       | 10,6 | 35,6 | 4,6 | 19,6 | 22  |
| OGVM-80-G-...-RA | 31,8 | 83      | 7       | 12,8 | 40   | 4,6 | 16,6 | 22  |

## Dimensions

Dimensions – OGVM with rectangular adapter, round, protective bellows, 1.5 convolutions

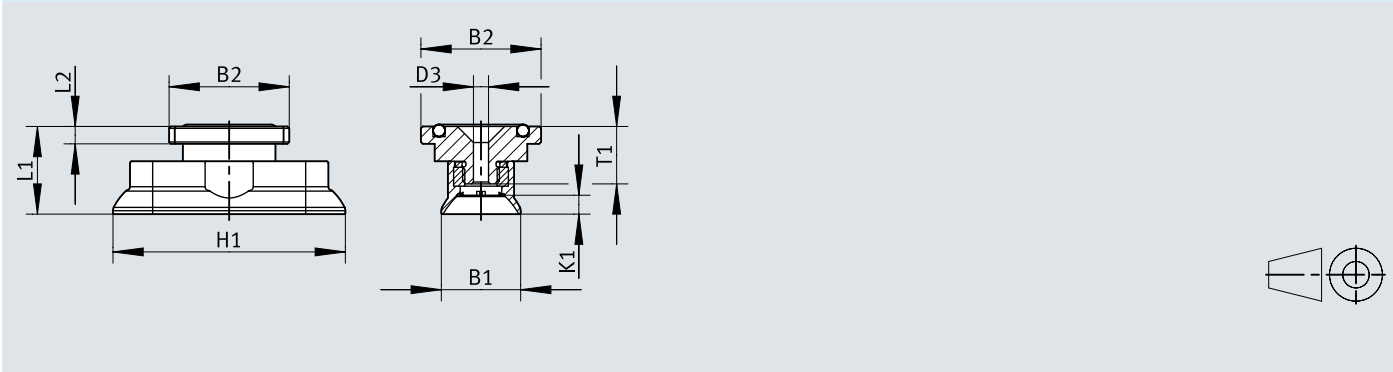
Download CAD data [www.festo.com](http://www.festo.com)



|                 | B2   | D1<br>Ø | D3<br>Ø | K1   | L1   | L2  | T1   | ≅ 1 |
|-----------------|------|---------|---------|------|------|-----|------|-----|
| OGVM-20-A-N-RA  | 31,8 | 22      | 4       | 5,8  | 29,6 | 4,6 | 16,6 | 17  |
| OGVM-30-A-N-RA  | 31,8 | 32      | 4       | 9    | 32,6 | 4,6 | 16,6 | 17  |
| OGVM-40-A-N-RA  | 31,8 | 42      | 4       | 10   | 33,6 | 4,6 | 16,6 | 17  |
| OGVM-50-A-N-RA  | 31,8 | 52      | 7       | 11,5 | 41,6 | 4,6 | 20   | 22  |
| OGVM-60-A-N-RA  | 31,8 | 63      | 8       | 14,5 | 46,1 | 4,6 | 19,6 | 22  |
| OGVM-80-A-N-RA  | 31,8 | 83      | 8       | 22   | 53   | 4,6 | 19,6 | 22  |
| OGVM-100-A-N-RA | 31,8 | 103     | 8       | 26   | 58   | 4,6 | 19,6 | 22  |
| OGVM-125-A-N-RA | 31,8 | 128     | 8       | 32   | 71   | 4,6 | 19,6 | 22  |

Dimensions

Dimensions – OGVM with rectangular adapter, oval, bell-shaped Download CAD data [www.festo.com](http://www.festo.com)

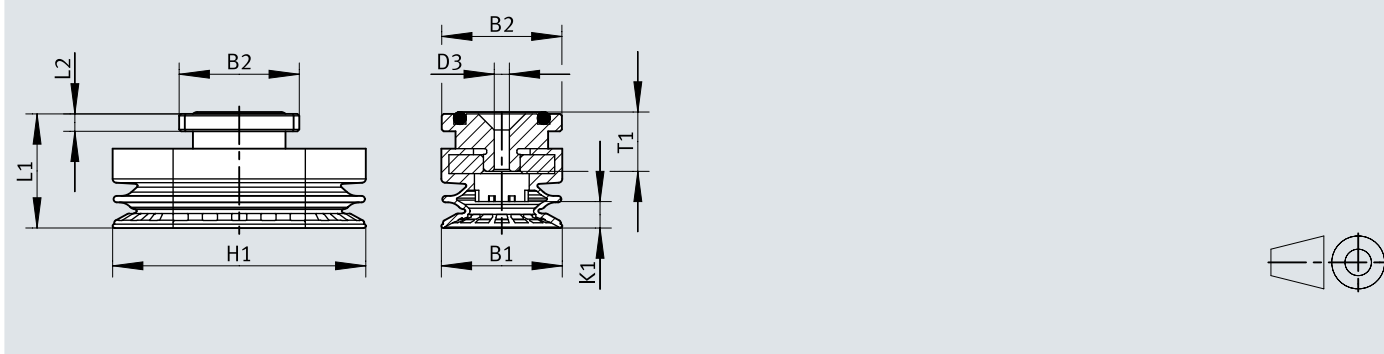


|                       | B1 | B2   | D3<br>ø | H1   | K1 | L1   | L2  | T1   |
|-----------------------|----|------|---------|------|----|------|-----|------|
| OGVM-20X60-GV-....-RA | 21 | 31,8 | 4       | 61,5 | 5  | 23,5 | 4,6 | 15,5 |

## Dimensions

Dimensions – OGVM with rectangular adapter, oval, protective bellows 1.5 convolutions

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|                       | B1 | B2   | D3<br>ø | H1 | K1 | L1 | L2  | T1   |
|-----------------------|----|------|---------|----|----|----|-----|------|
| OGVM-30X65-AV-....-RA | 32 | 31,8 | 4       | 67 | 7  | 29 | 4,6 | 15,5 |

## Ordering data

## OGVM with female thread, round, flat

|                                                                                  | Vacuum connection  | Suction cup diameter | Height compensator for suction cup | Suction cup volume  | Product weight | Part no. | Type              |
|----------------------------------------------------------------------------------|--------------------|----------------------|------------------------------------|---------------------|----------------|----------|-------------------|
|  | Female thread G1/4 | 30 mm                | 3 mm                               | 1.8 cm <sup>3</sup> | 8 g            | 8073816  | OGVM-30-S-N-G14F  |
|                                                                                  |                    | 40 mm                | 4 mm                               | 4.4 cm <sup>3</sup> | 10 g           | 8073817  | OGVM-40-S-N-G14F  |
|                                                                                  |                    | 50 mm                | 5 mm                               | 8.4 cm <sup>3</sup> | 30 g           | 8073818  | OGVM-50-S-N-G14F  |
|                                                                                  |                    | 60 mm                | 6 mm                               | 15 cm <sup>3</sup>  | 40 g           | 8073819  | OGVM-60-S-N-G14F  |
|                                                                                  |                    | 80 mm                | 7.6 mm                             | 35 cm <sup>3</sup>  | 65 g           | 8073820  | OGVM-80-S-N-G14F  |
|                                                                                  |                    | 100 mm               | 9.5 mm                             | 68 cm <sup>3</sup>  | 100 g          | 8073821  | OGVM-100-S-N-G14F |
|                                                                                  |                    | 125 mm               | 12.5 mm                            | 132 cm <sup>3</sup> | 151 g          | 8073822  | OGVM-125-S-N-G14F |
|                                                                                  | Female thread G3/8 | 30 mm                | 3 mm                               | 1.8 cm <sup>3</sup> | 21 g           | 8211013  | OGVM-30-S-N-G38F  |
|                                                                                  |                    | 40 mm                | 4 mm                               | 4.4 cm <sup>3</sup> | 24 g           | 8211014  | OGVM-40-S-N-G38F  |
|                                                                                  |                    | 50 mm                | 5 mm                               | 8.4 cm <sup>3</sup> | 25 g           | 8211015  | OGVM-50-S-N-G38F  |
|                                                                                  |                    | 60 mm                | 6 mm                               | 15 cm <sup>3</sup>  | 36 g           | 8210273  | OGVM-60-S-N-G38F  |
|                                                                                  |                    | 80 mm                | 7.6 mm                             | 35 cm <sup>3</sup>  | 60 g           | 8211016  | OGVM-80-S-N-G38F  |
|                                                                                  |                    | 100 mm               | 9.5 mm                             | 68 cm <sup>3</sup>  | 84 g           | 8211017  | OGVM-100-S-N-G38F |
|                                                                                  |                    | 125 mm               | 12.5 mm                            | 132 cm <sup>3</sup> | 146 g          | 8211018  | OGVM-125-S-N-G38F |

## OGVM with female thread, round, bell-shaped

|                                                                                   | Vacuum connection  | Suction cup diameter | Height compensator for suction cup | Suction cup volume  | Product weight | Part no. | Type             |
|-----------------------------------------------------------------------------------|--------------------|----------------------|------------------------------------|---------------------|----------------|----------|------------------|
|  | Female thread G1/4 | 20 mm                | 4 mm                               | 1.2 cm <sup>3</sup> | 6 g            | 8073847  | OGVM-20-G-N-G14F |
|                                                                                   |                    | 30 mm                | 5 mm                               | 2.6 cm <sup>3</sup> | 7 g            | 8073848  | OGVM-30-G-N-G14F |
|                                                                                   |                    | 45 mm                | 7.8 mm                             | 9.4 cm <sup>3</sup> | 13 g           | 8073831  | OGVM-45-G-N-G14F |
|                                                                                   |                    | 60 mm                | 10.6 mm                            | 22 cm <sup>3</sup>  | 29 g           | 8073832  | OGVM-60-G-N-G14F |
|                                                                                   |                    | 80 mm                | 12.8 mm                            | 48 cm <sup>3</sup>  | 51 g           | 8073833  | OGVM-80-G-N-G14F |
|                                                                                   | Female thread G3/8 | 45 mm                | 7.8 mm                             | 9.4 cm <sup>3</sup> | 25 g           | 8211022  | OGVM-45-G-N-G38F |
|                                                                                   |                    | 60 mm                | 10.6 mm                            | 22 cm <sup>3</sup>  | 24 g           | 8210274  | OGVM-60-G-N-G38F |
|                                                                                   |                    | 80 mm                | 12.8 mm                            | 48 cm <sup>3</sup>  | 45 g           | 8211023  | OGVM-80-G-N-G38F |

## OGVM with female thread, round, protective bellows, 1.5 convolutions

|                                                                                    | Vacuum connection  | Suction cup diameter | Height compensator for suction cup | Suction cup volume  | Product weight | Part no. | Type              |
|------------------------------------------------------------------------------------|--------------------|----------------------|------------------------------------|---------------------|----------------|----------|-------------------|
|  | Female thread G1/4 | 20 mm                | 5.8 mm                             | 2 cm <sup>3</sup>   | 12 g           | 8073834  | OGVM-20-A-N-G14F  |
|                                                                                    |                    | 30 mm                | 9 mm                               | 5.5 cm <sup>3</sup> | 15 g           | 8073835  | OGVM-30-A-N-G14F  |
|                                                                                    |                    | 40 mm                | 10 mm                              | 7.8 cm <sup>3</sup> | 17 g           | 8073836  | OGVM-40-A-N-G14F  |
|                                                                                    |                    | 50 mm                | 11.5 mm                            | 15 cm <sup>3</sup>  | 41 g           | 8073837  | OGVM-50-A-N-G14F  |
|                                                                                    |                    | 60 mm                | 14.5 mm                            | 28 cm <sup>3</sup>  | 50 g           | 8073838  | OGVM-60-A-N-G14F  |
|                                                                                    |                    | 80 mm                | 22 mm                              | 64 cm <sup>3</sup>  | 75 g           | 8073839  | OGVM-80-A-N-G14F  |
|                                                                                    |                    | 100 mm               | 26 mm                              | 115 cm <sup>3</sup> | 109 g          | 8073840  | OGVM-100-A-N-G14F |
|                                                                                    |                    | 125 mm               | 32 mm                              | 241 cm <sup>3</sup> | 188 g          | 8073841  | OGVM-125-A-N-G14F |
|                                                                                    | Female thread G3/8 | 20 mm                | 5.8 mm                             | 2 cm <sup>3</sup>   | 24 g           | 8211024  | OGVM-20-A-N-G38F  |
|                                                                                    |                    | 30 mm                | 9 mm                               | 5.5 cm <sup>3</sup> | 27 g           | 8211025  | OGVM-30-A-N-G38F  |
|                                                                                    |                    | 40 mm                | 10 mm                              | 7.8 cm <sup>3</sup> | 28 g           | 8211026  | OGVM-40-A-N-G38F  |
|                                                                                    |                    | 50 mm                | 11.5 mm                            | 15 cm <sup>3</sup>  | 36 g           | 8211027  | OGVM-50-A-N-G38F  |
|                                                                                    |                    | 60 mm                | 14.5 mm                            | 28 cm <sup>3</sup>  | 44 g           | 8210275  | OGVM-60-A-N-G38F  |
|                                                                                    |                    | 80 mm                | 22 mm                              | 64 cm <sup>3</sup>  | 69 g           | 8211028  | OGVM-80-A-N-G38F  |
|                                                                                    |                    | 100 mm               | 26 mm                              | 115 cm <sup>3</sup> | 104 g          | 8211029  | OGVM-100-A-N-G38F |
|                                                                                    |                    | 125 mm               | 32 mm                              | 241 cm <sup>3</sup> | 183 g          | 8211030  | OGVM-125-A-N-G38F |

## Ordering data

## OGVM with female thread, oval, flat

|                                                                                   | Vacuum connection  | Suction cup size | Height compensator for suction cup | Suction cup volume  | Product weight | Part no. | Type                  |
|-----------------------------------------------------------------------------------|--------------------|------------------|------------------------------------|---------------------|----------------|----------|-----------------------|
|  | Female thread G1/4 | 16x55 mm         | 3 mm                               | 2 cm <sup>3</sup>   | 29 g           | 8073852  | OGVM-16X55-SV-N-G14F  |
|                                                                                   |                    | 20x65 mm         |                                    | 3.6 cm <sup>3</sup> | 21 g           | 8073853  | OGVM-20X65-SV-N-G14F  |
|                                                                                   |                    | 30x95 mm         |                                    | 9.6 cm <sup>3</sup> | 44 g           | 8073854  | OGVM-30X95-SV-N-G14F  |
|                                                                                   |                    | 40x85 mm         | 4 mm                               | 13 cm <sup>3</sup>  | 38 g           | 8073855  | OGVM-40X85-SV-N-G14F  |
|                                                                                   |                    | 50x105 mm        | 5 mm                               | 25 cm <sup>3</sup>  | 67 g           | 8073856  | OGVM-50X105-SV-N-G14F |
|                                                                                   |                    | 60x125 mm        | 6 mm                               | 44 cm <sup>3</sup>  | 86 g           | 8073857  | OGVM-60X125-SV-N-G14F |
|                                                                                   |                    | 70x145 mm        | 7 mm                               | 70 cm <sup>3</sup>  | 124 g          | 8073858  | OGVM-70X145-SV-N-G14F |

## OGVM with female thread, oval, bell-shaped

|                                                                                   | Vacuum connection  | Suction cup size | Height compensator for suction cup | Suction cup volume   | Product weight | Part no. | Type                 |
|-----------------------------------------------------------------------------------|--------------------|------------------|------------------------------------|----------------------|----------------|----------|----------------------|
|  | Female thread G1/4 | 20x60 mm         | 5 mm                               | 5 cm <sup>3</sup>    | 16 g           | 8073862  | OGVM-20X60-GV-N-G14F |
|                                                                                   |                    | 30x80 mm         | 6 mm                               | 10 cm <sup>3</sup>   | 26 g           | 8073863  | OGVM-30X80-GV-N-G14F |
|                                                                                   |                    | 40x90 mm         |                                    | 15.8 cm <sup>3</sup> | 40 g           | 8073864  | OGVM-40X90-GV-N-G14F |
|                                                                                   | Female thread G3/8 | 20x60 mm         | 5 mm                               | 5 cm <sup>3</sup>    | 21 g           | 8210276  | OGVM-20X60-GV-N-G38F |
|                                                                                   |                    |                  |                                    |                      |                |          |                      |

## OGVM with female thread, oval, protective bellows 1.5 convolutions

|                                                                                     | Vacuum connection  | Suction cup size | Height compensator for suction cup | Suction cup volume   | Product weight | Part no. | Type                  |
|-------------------------------------------------------------------------------------|--------------------|------------------|------------------------------------|----------------------|----------------|----------|-----------------------|
|  | Female thread G1/4 | 30x65 mm         | 7 mm                               | 11.5 cm <sup>3</sup> | 48 g           | 8073865  | OGVM-30X65-AV-N-G14F  |
|                                                                                     |                    | 40x85 mm         | 9 mm                               | 23.5 cm <sup>3</sup> | 57 g           | 8073866  | OGVM-40X85-AV-N-G14F  |
|                                                                                     |                    | 55x115 mm        | 13 mm                              | 52 cm <sup>3</sup>   | 76 g           | 8073867  | OGVM-55X115-AV-N-G14F |
|                                                                                     |                    | 70x145 mm        | 16.5 mm                            | 111 cm <sup>3</sup>  | 156 g          | 8073868  | OGVM-70X145-AV-N-G14F |
|                                                                                     | Female thread G3/8 | 30x65 mm         | 7 mm                               | 11.5 cm <sup>3</sup> | 51 g           | 8210277  | OGVM-30X65-AV-N-G38F  |
|                                                                                     |                    |                  |                                    |                      |                |          |                       |

## OGVM with rectangular adapter, round, flat

|                                                                                     | Vacuum connection      | Suction cup diameter | Height compensator for suction cup | Suction cup volume  | Product weight | Part no. | Type            |
|-------------------------------------------------------------------------------------|------------------------|----------------------|------------------------------------|---------------------|----------------|----------|-----------------|
|  | Rectangular adapter RA | 30 mm                | 3 mm                               | 1.8 cm <sup>3</sup> | 22 g           | 8213217  | OGVM-30-S-N-RA  |
|                                                                                     |                        | 40 mm                | 4 mm                               | 4.4 cm <sup>3</sup> | 24 g           | 8213218  | OGVM-40-S-N-RA  |
|                                                                                     |                        | 50 mm                | 5 mm                               | 8.4 cm <sup>3</sup> | 37 g           | 8213219  | OGVM-50-S-N-RA  |
|                                                                                     |                        | 60 mm                | 6 mm                               | 15 cm <sup>3</sup>  | 50 g           | 8213220  | OGVM-60-S-N-RA  |
|                                                                                     |                        | 80 mm                | 7.6 mm                             | 35 cm <sup>3</sup>  | 73 g           | 8213221  | OGVM-80-S-N-RA  |
|                                                                                     |                        | 100 mm               | 9.5 mm                             | 68 cm <sup>3</sup>  | 96 g           | 8213222  | OGVM-100-S-N-RA |
|                                                                                     |                        | 125 mm               | 12.5 mm                            | 132 cm <sup>3</sup> | 159 g          | 8213223  | OGVM-125-S-N-RA |

## OGVM with rectangular adapter, round, bell-shaped

|                                                                                     | Vacuum connection      | Suction cup diameter | Height compensator for suction cup | Suction cup volume  | Product weight | Part no. | Type           |
|-------------------------------------------------------------------------------------|------------------------|----------------------|------------------------------------|---------------------|----------------|----------|----------------|
|  | Rectangular adapter RA | 45 mm                | 7.8 mm                             | 9.4 cm <sup>3</sup> | 25 g           | 8213224  | OGVM-45-G-N-RA |

## Ordering data

| OGVM with rectangular adapter, round, bell-shaped                                |                        |                      |                                    |                    |                |          |                |
|----------------------------------------------------------------------------------|------------------------|----------------------|------------------------------------|--------------------|----------------|----------|----------------|
|                                                                                  | Vacuum connection      | Suction cup diameter | Height compensator for suction cup | Suction cup volume | Product weight | Part no. | Type           |
|  | Rectangular adapter RA | 60 mm                | 10.6 mm                            | 22 cm <sup>3</sup> | 37 g           | 8213225  | OGVM-60-G-N-RA |
|                                                                                  |                        | 80 mm                | 12.8 mm                            | 48 cm <sup>3</sup> | 58 g           | 8213226  | OGVM-80-G-N-RA |

| OGVM with rectangular adapter, round, protective bellows, 1.5 convolutions       |                        |                      |                                    |                     |                |          |                 |
|----------------------------------------------------------------------------------|------------------------|----------------------|------------------------------------|---------------------|----------------|----------|-----------------|
|                                                                                  | Vacuum connection      | Suction cup diameter | Height compensator for suction cup | Suction cup volume  | Product weight | Part no. | Type            |
|  | Rectangular adapter RA | 20 mm                | 5.8 mm                             | 2 cm <sup>3</sup>   | 25 g           | 8213231  | OGVM-20-A-N-RA  |
|                                                                                  |                        | 30 mm                | 9 mm                               | 5.5 cm <sup>3</sup> | 37 g           | 8213232  | OGVM-30-A-N-RA  |
|                                                                                  |                        | 40 mm                | 10 mm                              | 7.8 cm <sup>3</sup> | 29 g           | 8213233  | OGVM-40-A-N-RA  |
|                                                                                  |                        | 50 mm                | 11.5 mm                            | 15 cm <sup>3</sup>  | 48 g           | 8213234  | OGVM-50-A-N-RA  |
|                                                                                  |                        | 60 mm                | 14.5 mm                            | 28 cm <sup>3</sup>  | 56 g           | 8213235  | OGVM-60-A-N-RA  |
|                                                                                  |                        | 80 mm                | 22 mm                              | 64 cm <sup>3</sup>  | 82 g           | 8213236  | OGVM-80-A-N-RA  |
|                                                                                  |                        | 100 mm               | 26 mm                              | 115 cm <sup>3</sup> | 116 g          | 8213237  | OGVM-100-A-N-RA |
|                                                                                  |                        | 125 mm               | 32 mm                              | 241 cm <sup>3</sup> | 193 g          | 8213238  | OGVM-125-A-N-RA |

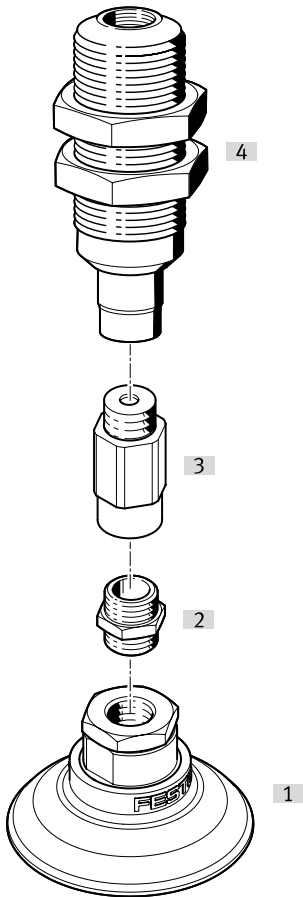
| OGVM with rectangular adapter, oval, bell-shaped                                   |                        |                  |                                    |                    |                |          |                    |
|------------------------------------------------------------------------------------|------------------------|------------------|------------------------------------|--------------------|----------------|----------|--------------------|
|                                                                                    | Vacuum connection      | Suction cup size | Height compensator for suction cup | Suction cup volume | Product weight | Part no. | Type               |
|  | Rectangular adapter RA | 20x60 mm         | 5 mm                               | 5 cm <sup>3</sup>  | 27 g           | 8213250  | OGVM-20X60-GV-N-RA |

| OGVM with rectangular adapter, oval, protective bellows 1.5 convolutions           |                        |                  |                                    |                      |                |          |                    |
|------------------------------------------------------------------------------------|------------------------|------------------|------------------------------------|----------------------|----------------|----------|--------------------|
|                                                                                    | Vacuum connection      | Suction cup size | Height compensator for suction cup | Suction cup volume   | Product weight | Part no. | Type               |
|  | Rectangular adapter RA | 30x65 mm         | 7 mm                               | 11.5 cm <sup>3</sup> | 56 g           | 8213253  | OGVM-30X65-AV-N-RA |



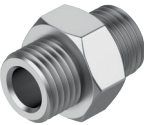
## Peripherals

### Peripherals overview



| Accessories                         |                                                                                                                                                                                 | → Link               |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Type/order code                     | Description                                                                                                                                                                     |                      |
| [1] Suction cup with connector OGVM |                                                                                                                                                                                 | <a href="#">ogvm</a> |
| [2] Double nipple NPFC-D            |                                                                                                                                                                                 | <a href="#">26</a>   |
| [3] Vacuum security valve ISV       | The vacuum security valves are designed to maintain the vacuum in applications where several suction cups are used and one or more suction cups fail.                           | <a href="#">26</a>   |
| [4] Length compensator VAL          | Workpieces are handled gently thanks to compensation for a possible overstroke of the handling device or for compensating for tolerance differences in the workpiece thickness. | <a href="#">26</a>   |

## Accessories

| Double nipple NPFC-D                                                             |                              |                              |              |                |                |                         |
|----------------------------------------------------------------------------------|------------------------------|------------------------------|--------------|----------------|----------------|-------------------------|
|                                                                                  | Pneumatic connection, port 1 | Pneumatic connection, port 2 | Size of pack | Product weight | Part no.       | Type                    |
|  | G1/4                         | G1/4                         | 10           | 17.2 g         | <b>8030272</b> | <b>NPFC-D-2G14-M</b>    |
|                                                                                  |                              | G3/8                         |              | 22.4 g         | <b>8030273</b> | <b>NPFC-D-G14-G38-M</b> |

| Vacuum security valve ISV                                                        |                                 |                                 |                |              |                |
|----------------------------------------------------------------------------------|---------------------------------|---------------------------------|----------------|--------------|----------------|
|                                                                                  | Pneumatic connection,<br>port 1 | Pneumatic connection,<br>port 2 | Product weight | Part no.     | Type           |
|  | G1/4                            | G1/4                            | 16 g           | <b>33970</b> | <b>ISV-1/4</b> |
|                                                                                  | G3/8                            | G3/8                            | 33 g           | <b>33971</b> | <b>ISV-3/8</b> |

| Length compensator VAL                                                             |                      |                   |                                           |                |               |                   |
|------------------------------------------------------------------------------------|----------------------|-------------------|-------------------------------------------|----------------|---------------|-------------------|
|                                                                                    | Suction cup mounting | Vacuum connection | Height compensator for suction-cup holder | Product weight | Part no.      | Type              |
|  | G1/4                 | G1/4              | 20 mm                                     | 118 g          | <b>151211</b> | <b>VAL-1/4-20</b> |