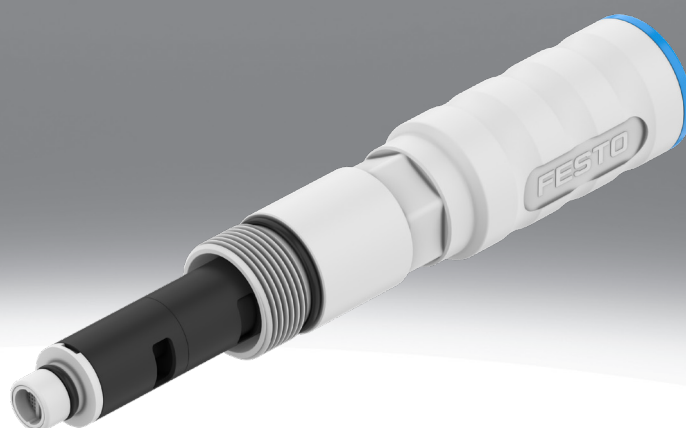


## Vacuum generator cartridge OASP

**FESTO**



## Characteristics

### At a glance

For even faster evacuation and maximum productivity: Multi-stage vacuum generation in the housing. This is done decentrally and in the smallest of spaces with the cartridge OASP.

- Two- or three-stage vacuum generator cartridge
- Can be integrated directly in the suction cup with connection for minimum evacuation times
- Available in the version with vacuum generator cartridge only or with retaining cap and integrated silencer
- Compact and lightweight

### Allocation

[G4] Version G4

The OASP vacuum generator cartridge is suitable for use in the OVPN vacuum generator or for installation in individual applications.

### Vacuum type

[L] High suction rate

Vacuum generators for high suction volumetric flow rates are optimised for generating a high vacuum at comparatively low suction volumetric flow rates.

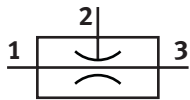
### Large suction rate

OVPN 2-stage and 3-stage vacuum generator nozzles and OASP cartridges are available. The 3-stage variants achieve a higher suction volume against atmosphere (up to  $\leq 0.1$  bar) than the 2-stage variants via the 3rd stage, as the 3rd stage evacuates additional volume.

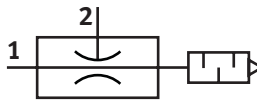
### Exhaust connection

Optionally, the exhaust air can be discharged via an open silencer (-UA).

[ ] None



[UA] Open silencer UO



Type code

001	Series	
<b>OASP</b>	Vacuum generator cartridges	
002	Allocation	
<b>G4</b>	Version G4	
003	Nominal width of Laval nozzle	
<b>14</b>	1.4 mm	

004	Vacuum type	
<b>L</b>	High suction rate	
005	Large suction rate	
<b>2</b>	2-stage	
<b>3</b>	3-stage	
006	Exhaust connection	
	None	
<b>UA</b>	Open silencer U0	

## Datasheet

### General technical data

Ejector characteristic	High suction rate
Design	Vacuum generator 2-stage Vacuum generator, 3-stage
Silencer design	Open
Nominal size, Laval nozzle	1.4 mm
Mounting position	optional
Type of mounting	Direct mounting via thread Plug-in
Nominal operating pressure	0.6 MPa
Nominal operating pressure	6 bar
Nominal operating pressure	87 psi
Sound pressure level at nominal operating pressure	60 dB(A)

### Operating and environmental conditions

Operating pressure	0.1 ... 0.8 MPa
Operating pressure	1 ... 8 bar
Operating pressure	14 ... 120 psi
Nominal operating pressure	0.6 MPa
Nominal operating pressure	6 bar
Nominal operating pressure	87 psi
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation not possible
Ambient temperature	0 ... 60°C
Media temperature	0 ... 60°C
Corrosion resistance class CRC <sup>1)</sup>	2 - Moderate corrosion stress
Recommended cleaning/purification	Soap suds (except silencers)

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

### General technical data

Design	Vacuum generator 2-stage	Vacuum generator, 3-stage
Max. vacuum	81%	
Operating pressure for max. vacuum	0.79 MPa	
Operating pressure for max. vacuum	7.9 bar	
Operating pressure for max. vacuum	110 psi	
Max. suction flow rate against atmosphere	160 l/min	250 l/min
Operating pressure for max. suction flow rate	0.4 MPa	0.8 MPa
Operating pressure for max. suction flow rate	4 bar	8 bar
Operating pressure for max. suction flow rate	58 psi	120 psi
Air supply time at nominal operating pressure	0.37 s	

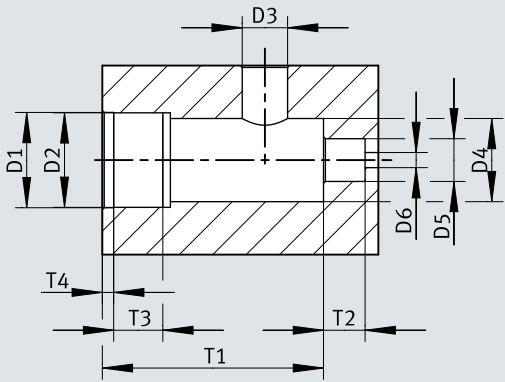
## Datasheet

Materials	
Material transmitter nozzle	Reinforced PA
Material receiver nozzle	Reinforced PA
Material silencer	PA-reinforced PU foam
Material seals	NBR
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Suitability for the production of Li-ion batteries	Product corresponds to the internal product definition from Festo for use in battery production: Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils

## Dimensions


Dimensions – Mounting hole for the vacuum generator cartridge


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



	D1 ∅	D2	D3 ∅ min.	D4 ∅	D5 ∅	D6 ∅ min.	T1	T2	T3	T4
OASP-G4-14-...	25,2	M25x1,5	12	22	11,3	4	58,5	11	13	3

## Ordering data

Vacuum generator cartridges OASP				
	Design	Product weight	Part no.	Type
	Vacuum generator 2-stage	31 g	<b>8199152</b>	<b>OASP-G4-14-L2</b>
	Vacuum generator, 3-stage	45 g	<b>8199154</b>	<b>OASP-G4-14-L3</b>

Vacuum generator cartridges OASP-...-UA (with open silencer)						
	Design	Integrated function	Sound pressure level at nominal operating pressure	Product weight	Part no.	Type
	Vacuum generator 2-stage	Open silencer	60 dB(A)	100 g	<b>8199153</b>	<b>OASP-G4-14-L2-UA</b>
	Vacuum generator, 3-stage			120 g	<b>8199155</b>	<b>OASP-G4-14-L3-UA</b>