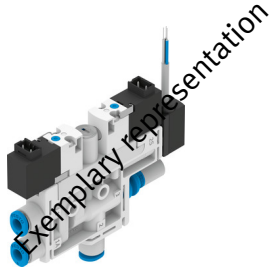


# Vacuum generator OVEL

Part number: 8049045

FESTO



 General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Nominal width of Laval nozzle	0.45 mm ... 0.95 mm
Mounting position	Any
Ejector characteristics	High suction rate High vacuum Standard
Grade of filtration	40 µm
Manual override	Non-detenting
Integrated function	Electric ejector pulse Flow control Pressure sensor Pressure transmitter Shut off valve, electric Compressed air filter Pneumatic muffler open
Structural design	T-shape
Switching element function	N/C contact/N/O contact switchable
Valve function	Closed
Nominal operating pressure	0.4 MPa
Nominal operating pressure	4 bar
Nominal operating pressure	58 psi
DC operating voltage range	21.6 V ... 26.4 V
Duty cycle	100%
Switching output	PNP/NPN switchable
Coil characteristics	24 V DC: 1.28 W 24 V DC: 1.0 W
Certification	c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication not possible
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	0 °C ... 50 °C
Degree of protection	IP40
Ambient temperature	0 °C ... 50 °C
Product weight	39 g ... 100 g
Pressure measuring range	-0.1 MPa ... 0.1 MPa

<b>Feature</b>	<b>Value</b>
Pressure measuring range	-1 bar ... 1 bar
Pressure measuring range	-14.5 psi ... 14.5 psi
Pneumatic connection 1	Common port for pneumatic tubing outside diameter 3 mm for pneumatic tubing outside diameter 4 mm For pneumatic tubing outside diameter 6 mm
Material of connecting thread	POM
Note on materials	RoHS-compliant
Seals material	NBR
Female nozzle material	POM
Compressed air filter material	POM
Housing material	PA-reinforced
Material of screws	Steel
Material of jet nozzle	Wrought aluminum alloy