

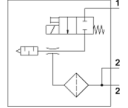
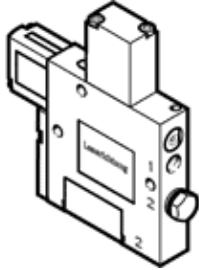
# Vacuum generator

## VADM-45

Part number: 162500  
Classic - do not use for new projects

FESTO

With integrated solenoid valve for vacuum On/Off  
Modern alternatives can be found by entering the first four characters of the type code in the search field.



## Data sheet

Feature	Value
Nominal size, Laval nozzle	0.45 mm
Grid dimension	10 mm
Design, silencer	closed
Assembly position	Any
Ejector characteristic	High vacuum
Grade of filtration	$\leq 40 \mu\text{m}$
Manual override	Pushing
Integrated function	Electrical on-off valve Filter
Valve function	closed
Operating pressure MPa	0.15 ... 0.8 MPa
Working pressure	1.5 ... 8 bar
Operating pressure	21.75 ... 116 psi
Max. vacuum	85 %
Nominal operating pressure	0.6 MPa
Nominal working pressure	6 bar
Nominal operating pressure (psi)	87 psi
Air supply time at nominal working pressure	5.9 s
Operating voltage range DC	21.6 ... 26.4 V
Duty cycle	100 %
Authorization	c UL us - Recognized (OL)
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation not possible
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Medium temperature	0 ... 60 °C
Protection class	IP65
Ambient temperature	0 ... 60 °C
Product weight	60 g
Electrical connection	Plug
Mounting type	with through hole with internal (female) thread Optional
Pneumatic connection, port 1	M5
Pneumatic connection, port 3	Integrated silencer
Vacuum connection	M5
Materials note	Conforms to RoHS
Material seals	NBR
Material receiver nozzle	Nickel-plated brass
Material filter	PA
Material filter housing	PC
Material housing	Wrought Aluminum alloy
Material silencer	PE POM
Material piston	POM
Material transmitter nozzle	Nickel-plated brass