

# Vacuum generator VN-14-H-T4-PQ2-VQ3-R02-F1A

Part number: 8187685

**FESTO**



## Data sheet

Feature	Value
Nominal width of Laval nozzle	1.4 mm
Width dimension	18 mm
Muffler construction type	Open
Mounting position	Any
Ejector characteristics	High vacuum Standard
Integrated function	Pneumatic muffler open
Structural design	T-shape
Operating pressure for max. suction rate	5.1 bar
Operating pressure	1 bar...8 bar
Operating pressure for max. vacuum	5 bar
Max. vacuum	88 %
Nominal operating pressure	6 bar
Max. suction rate with respect to atmosphere	51.6 l/min
Air supply time at nominal operating pressure	0.5 s
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 zone III
Suitability for the production of Li-ion batteries	Product corresponds to Festo's internal product definition 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, circuit boards, cables, electrical plug connectors and coils
Temperature of medium	0 °C...60 °C
Noise level at nominal operating pressure	69 dB(A)
Ambient temperature	0 °C...60 °C
Max. tightening torque	0.5 Nm
Product weight	36 g
Type of mounting	With through-hole With accessories
Pneumatic connection 1	QS-6
Pneumatic connection 3	Pneumatic muffler open

Feature	Value
Vacuum connection	QS-8
Material of connecting thread	POM
Note on materials	RoHS-compliant
Seals material	NBR
Female nozzle material	POM
Housing material	POM-reinforced
Muffler material	Wrought aluminum alloy POM PU foam
Material of jet nozzle	Wrought aluminum alloy