

Pressure vacuum generator PGVA-1-P-D30-Q4-A

Part number: 8165129

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Mounting position	optional
Grade of filtration	0.01 µm
Configuration support	CODESYS V3 Phyton scripts Integrated web server
Parameterisation	System parameter CODESYS V3
Display	LED
Output pressure 1	-0.045 MPa
Output pressure 2	0.045 MPa
Standard flow rate (standardised to DIN 1343)	<1 l/min
Dimensions (W x L x H)	210 mm x 208 mm x 76 mm
Operational voltage range DC	21.6 V ... 26.4 V
Electrical power consumption	19 W
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/- 10 %
Power supply, function	Digital output Load and functional earth
Power supply, connection type	Socket
power supply, connection system	Terminal strip
Power supply, number of pins/wires	5
Power supply, connection pattern	00997301
Approval	RCM trademark
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Storage temperature	-20 °C ... 70 °C
Relative air humidity	0 - 85% Non-condensing
Sound power level	55 dB(A)
Degree of protection	IP20
Ambient temperature	0 °C ... 40 °C

Feature	Value
Product weight	3200 g
Absolute accuracy in ± %FS at room temperature	1 %FS
Electrical control	COM port Ethernet Integrated controller
Serial interface, function	Communication Parameterisation and commissioning
Serial interface, connection type	Socket
Serial interface, connection system	Sub-D
Serial interface, protocol	RS232
Serial interface, transmission rate	1200 ... 115200 bit/s
Ethernet interface, connection type	Socket
Ethernet interface, connection system	RJ45
Ethernet interface, transmission rate	100 Mbit/s
Ethernet interface, function	Parameterisation and commissioning
Ethernet interface, protocol	Modbus® TCP
Electrical connection for sensor, connection type	Socket
Electrical connection sensor, design	Round
Electrical connection for sensor, connection technology	M8x1, A-coded to EN 61076-2-104
Electrical connection sensor, connection pattern	00991871
Electrical connection sensor, input signal	0 - 10 V 0 - 5 V
Electrical connection sensor, output signal	24 V DC
Type of mounting	with female thread M4
Pneumatic connection, port 1	QS-4
Pneumatic connection, number	1
Housing colour	grey
Note on materials	RoHS-compliant
Material housing	Aluminium, powder-coated