

FEATURES

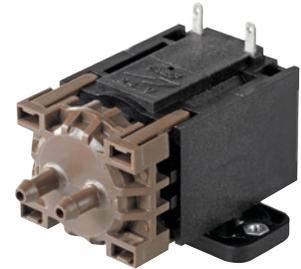
- > Oil-free
- > Maintenance free
- > Very low current consumption
- > Recommended for continuous operation
- > Compact design
- > Long lifetime
- > Very low noise

TYPICAL APPLICATIONS

- > Industry
- > Medical devices
- > Analytical instrumentation
- > Laboratory technology

BASE MODEL

LMG 4



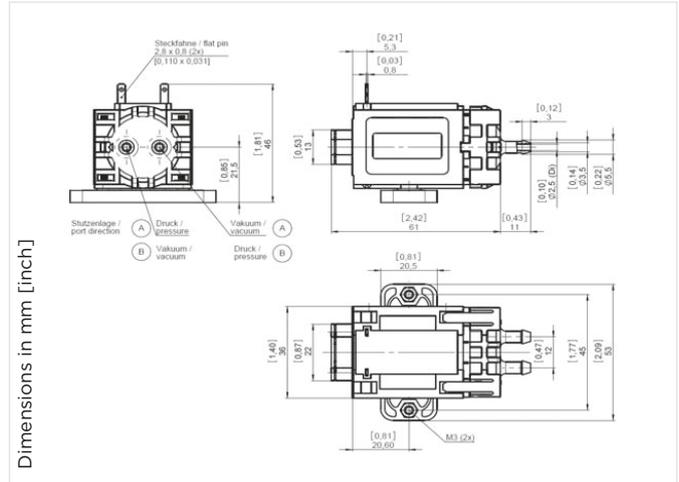
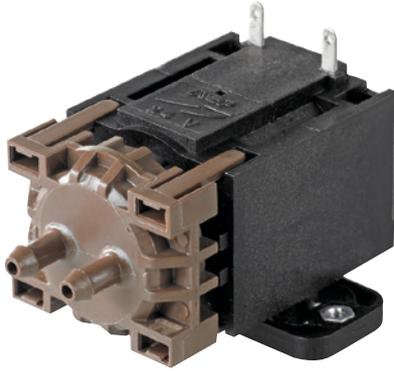
Diaphragm

Linear Diaphragm Pump LMG 4

Flow at rated pressure

1000 ml/min

Oil-less



PNEUMATIC DATA

Description	LMG-4-230V-50Hz	LMG-4-115V-60Hz	LMG-4-24V-50Hz	LMG-4-12V-50Hz
Part number	9340310	9341310	9343310	9344310
Flow at rated pressure	950 ml/min	1000 ml/min	950 ml/min	950 ml/min
Rated pressure	200 mbar	200 mbar	200 mbar	200 mbar
Operating pressure range	50 to 450 mbar	50 to 450 mbar	50 to 450 mbar	50 to 450 mbar
Flow at rated vacuum	900 ml/min	950 ml/min	900 ml/min	900 ml/min
Rated vacuum	10 %	10 %	10 %	10 %
Operating vacuum range	5 to 20 %	5 to 20 %	5 to 20 %	5 to 20 %

ELECTRICAL DATA

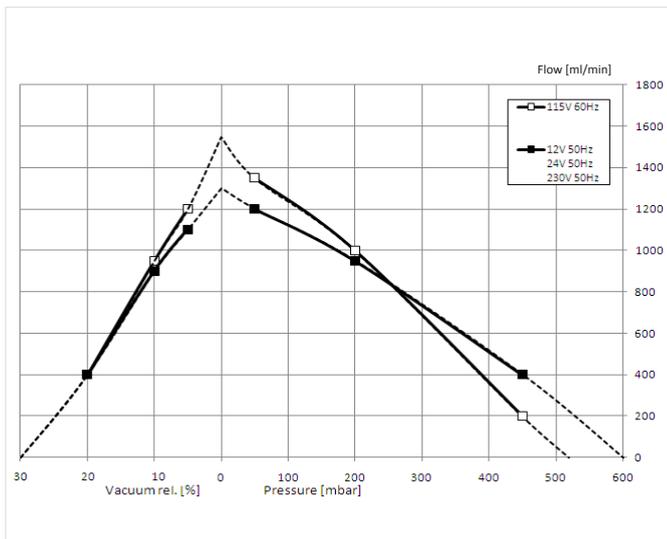
Motor type	Linear drive	Linear drive	Linear drive	Linear drive
Nominal voltage	230 V AC	115 V AC	24 V AC	12 V AC
Nominal frequency	50 Hz*	60 Hz*	50 Hz*	50 Hz*
Max. Consumption	35 mA / 4.7 W	65 mA / 4.2 W	300 mA / 4.0 W	630 mA / 4.2 W
Consumption at rated pressure	33 mA / 4.5 W	60 mA / 4 W	280 mA / 3.8 W	590 mA / 4.0 W

GENERAL DATA

Ambient temperature	0 to 50°C	0 to 50°C	0 to 50°C	0 to 50°C
Media temperature	0 to 50°C	0 to 50°C	0 to 50°C	0 to 50°C
Weight	160 g	160 g	160 g	160 g
Port direction	A	A	A	A

* operation at other frequencies is possible but with impact on performance and pump life

FLOW CURVES



WETTED PARTS

Nozzle plate	PPS (Ryton®)
Pump chamber	PP
Diaphragm	EPDM
Valves	EPDM

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