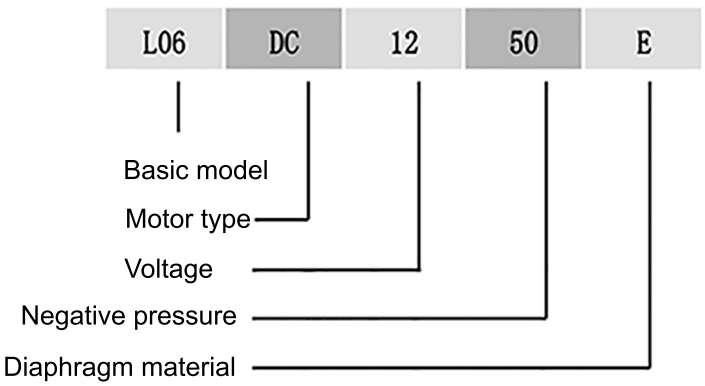
L06 Series Diaphragm Air/liquid Pump

Product Advantages

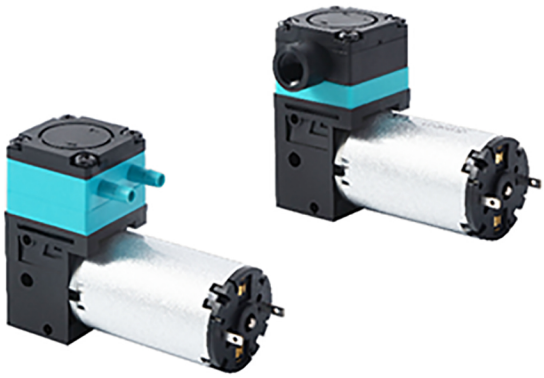
- Oil-less, maintenance free
- Long life
- High air tightness
- Quiet, less vibration
- Easy installation
- For air and gas application

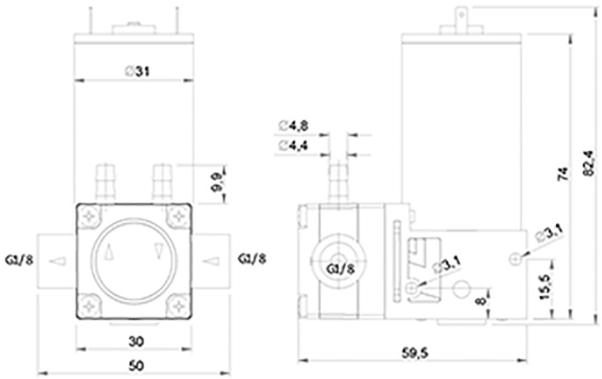
Applications

- Medical treatment equipment
- Environment protection equipment
- Laboratory use
- Cleaning equipment
- Ink jet printer



L06 Series Diaphragm Pump

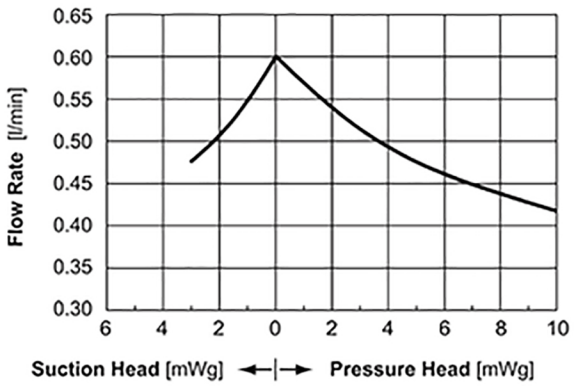




pump head can be turned 360°

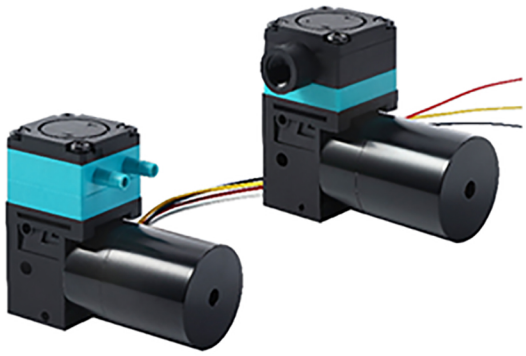
Performance Parameters		
Model	12V	L06DC1250E
	24V	L06DC2450E
Liquid flow rate		0.6 L/min (water)
Liquid suction head		3 mWg
Liquid head		10 mWg
Max. pressure (outlet)		≤1bar
Air flow		2 L/min (air)
Vacuum degree		-50KPa
Air positive pressure		80KPa
Other Parameters		
Pump head		PP
Diaphragm		EPDM
Valve plate		EPDM
Working ambient temp.		5℃~50℃
Working media temp.		5℃~50℃
Weight		192g
Motor Parameters		
Motor type		DC brush motor
Life time		1000~3000h
Rated voltage		12V/24V
Rated current		300mA/160mA
Power		4W
Mechanical noise		<50dB

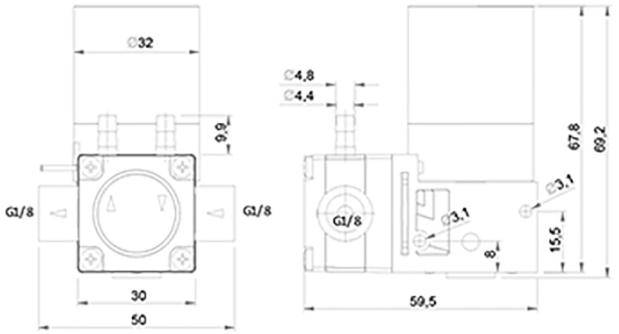
Flow/pressure Curve



Note:
Above curves are the test result under 4m altitude and 24 ℃ temperature, under different altitude and temerature may have different results.
This drawing is a made according to PENGPU's testing data, only for reference. If any losses result from this drawing, PENGPU is not taking responsibilty for it.

L06 Series Diaphragm Pump

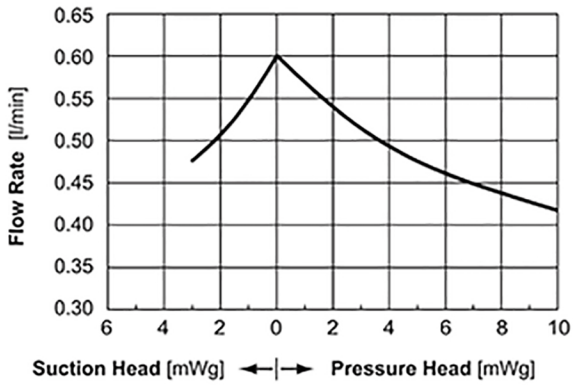




pump head can be turned 360°

Performance Parameters		
Model	12V	L06B1250E
	24V	L06BL2450E
Liquid flow rate		0.6 L/min (water)
Liquid suction head		3 mWg
Liquid head		10 mWg
Max. pressure (outlet)		≤1bar
Air flow		2 L/min (air)
Vacuum degree		-50KPa
Air positive pressure		80KPa
Other Parameters		
Pump head		PP
Diaphragm		EPDM
Valve plate		EPDM
Working ambient temp.		5℃~50℃
Working media temp.		5℃~50℃
Weight		145g
Motor Parameters		
Motor type		DC brushless motor
Life time		8000h
Rated voltage		12V/24V
Rated current		300mA/160mA
Power		4W/5W
Mechanical noise		<50dB

Flow/pressure Curve



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Red line	connects +	
Black line	connects -	
White line	speed control SP	Input 0-5V analog voltage 0~0.5V motor stay still 0.5~4.5V speed regulation interval 4.5~5V runs the fastest
		PWM suggest frequency 10KHZ-30KHZ; amplitude: 5v; duty cycle 0~10%: motor stay still; duty cycle 10~90%: speed adjust interval; duty cycle: 90~100% the fastest speed
Yellow line	Feedback FG	FG speed feedback line connects to oscilloscope's probe or upper monitor, 1 pulse/circle
Notice: 1. when you don't need speed adjustment, black line goes to negative pole, white/red line goes to positive pole, motor runs at high speed. 2. Positive and negative pole of the motor is anti-reverse, so that it won't burn down when they are connected to the wrong pole.		